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Risenga Maluleke
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For technical enquiries, please contact: Tshepo Pekane / Stanley Mashego / Mosa Tshekedi

Tel.: (012) 310 8191 / (012) 337 6252 / (012) 406 3034

Email: tshepop@statssa.gov.za / stanleyma@statssa.gov.za / mosat@statssa.gov.za

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1. Introduction

This publication presents estimates in respect of the 2021 manufacturing industry large sample survey (LSS). The data for the number of employees were provided for employees who received salaries and wages for the last pay period ended on or before 30 June 2021.

The last manufacturing LSS was conducted in 2017 (Reports No.: 30-02-03 (2017) and 30-02-04 (2017)).

1.1 Objectives of the survey

- To generate information on the size, structure and nature of the industry at district/metropolitan municipality level.
- To provide data to be used for benchmarking and reconciliation of Statistics South Africa's (Stats SA) surveys, e.g. the Gross domestic product (GDP) and the Producer price index (PPI).
- To provide data for monitoring the performance and contribution of the industry to the South African economy and the effectiveness of industry policies, and for private sector users in analyses of comparative business and industry performance.

1.2 Scope and coverage

This survey covers enterprises registered for value-added tax (VAT) in the taxation system that are engaged mainly in manufacturing. It includes the following divisions within its scope:

- manufacture of food products and beverages (SIC 30);
- manufacture of textiles, clothing, leather and footwear (SIC 31);
- manufacture of wood and wood products, paper, publishing and printing (SIC 32);
- manufacture of coke, petroleum, chemical products, rubber and plastic (SIC 33);
- manufacture of glass and other non-metallic mineral products (SIC 34);
- manufacture of metals, metal products, machinery and equipment (SIC 35);
- manufacture of electrical machinery and apparatus (SIC 36);
- manufacture of telecommunication, medical and optical equipment and watches and clocks (SIC 37);
- manufacture of transport equipment (SIC 38); and
- manufacture of furniture, other manufacturing (including tobacco) and recycling (SIC 39).

Including

- The South Africa-based activities of enterprises which operate in multiple countries.

Excluding

- Activities of South Africa-based companies in other countries.

1.3 Data items

The following categories of data items were collected: industrial classification, details of employment, income, expenditure, profit or loss, inventories and capital expenditure.

1.4 Reference period

The questionnaires were completed for the financial year of the enterprise which ends on any date between 1 July 2020 and 30 June 2021 according to the usual reporting schedule of the enterprise.

Example

- 01 August 2019 – 31 July 2020
- 01 October 2019 – 30 September 2020
- 01 January 2020 – 31 December 2020
- 01 February 2020 – 31 January 2021
- 01 March 2020 – 28 February 2021
- 01 April 2020 – 31 March 2021
- 01 July 2020 – 30 June 2021

1.5 Current prices

The rand values are at current prices.

1.6 Reliability of data

All estimates compiled for this industry are subject to both sampling and non-sampling errors.

The estimates are subject to sampling variability since they are based on information obtained from a sample. They may therefore differ from the figures that would have been produced if the data had been obtained from all enterprises in the manufacturing industry in South Africa. The standard error (SE) indicates the extent to which an estimate might have varied by chance, because only a sample of enterprises was used. The relative standard error (RSE) (the standard error expressed as a percentage of the estimate) provides an indication of the percentage error likely to have occurred due to sampling, and thus avoids the need to refer to the size of the estimate. The larger the RSE, the less reliable the estimate.

The following are some of the likely sources of non-sampling errors: sampling frame not up to date, wrong definitions and classification, phrasing of questions, non-response, processing and estimation. Every effort is made to minimise non-sampling errors by careful design of questionnaires, testing them with a sample of respondents, editing reported data and implementing efficient operating procedures. Non-sampling errors occur in both sample surveys and censuses.

1.7 Confidentiality

According to Section 17 of the Statistics Act, 1999 (Act No. 6 of 1999), completed questionnaires remain confidential to Stats SA. Individual business information is never disclosed. Results are presented in aggregated form only.

2. Summary of findings for the year 2021

2.1. Income

Table A – Income in the manufacturing industry, 2011–2021

Type of manufacturer	2011		2014		2017		2021	
	R million	% contribution	R million	% contribution	R million	% contribution	R million	% contribution
Division 30 - Food products and beverages	287 012	17,1	371 199	17,6	503 311	20,0	593 997	22,6
Division 31 - Textiles, clothing, leather and footwear	45 695	2,7	44 795	2,1	60 920	2,4	59 429	2,3
Division 32 - Wood, wood products, paper, publishing and printing	106 942	6,4	114 755	5,4	161 663	6,4	161 498	6,1
Division 33 - Coke, petroleum, chemical products, rubber and plastic	501 333	29,9	689 012	32,6	649 968	25,9	678 084	25,8
Division 34 - Glass and other non-metallic mineral products	52 826	3,2	64 487	3,1	81 040	3,2	74 156	2,8
Division 35 - Metals, metal products, machinery and equipment	313 331	18,7	359 698	17,0	410 117	16,3	429 211	16,3
Division 36 - Electrical machinery and apparatus	49 462	3,0	60 227	2,9	59 783	2,4	68 724	2,6
Division 37 - Telecommunication, medical and optical equipment and watches and clocks	14 499	0,9	16 081	0,8	32 450	1,3	25 747	1,0
Division 38 - Transport equipment	248 247	14,8	333 284	15,8	457 756	18,2	449 108	17,1
Division 39 - Furniture, other manufacturing and recycling	57 276	3,4	59 001	2,8	95 507	3,8	91 691	3,5
Total	1 676 623	100,0	2 112 539	100,0	2 512 515	100,0	2 631 645	100,0

The total income for the manufacturing industry in 2021 was R2 631,6 billion. The total income represents an increase of 1,2% per annum compared with the income reported in the corresponding survey of 2017 (R2 512,5 billion). Comparing 2017 and 2021, large increases were reported for the 'food products and beverages' (+R90,7 billion), 'coke, petroleum, chemical products, rubber and plastic' (+R28,1 billion) and 'metals, metal products, machinery and equipment' (+R19,1 billion) divisions. The largest decreases were reported for the 'transport equipment' (-R8,6 billion), 'glass and other non-metallic mineral products' (-R6,9 billion) and 'telecommunication, medical and optical equipment and watches and clocks' (-R6,7 billion) divisions.

Between 2011 and 2021, the 'food products and beverages' division gained the biggest percentage share of income (5,5 percentage points) (from a percentage contribution of 17,1% in 2011 to 22,6% in 2021). The 'coke, petroleum, chemical products, rubber and plastic' division lost the biggest percentage share (-4,1 percentage points) over the same period (from 29,9% in 2011 to 25,8% in 2021).

Table B – Concentration ratios for total income in the manufacturing industry, 2011–2021

Concentration ratio (CR)	2011	2014	2017	2021
	%			
CR5	13,7	16,2	12,1	12,1
CR10	22,9	26,0	20,9	21,0
CR20	32,0	36,5	30,3	30,9
CR50	44,9	48,6	41,4	41,6
CR100	54,1	58,1	49,7	50,6

The top 5 enterprises in the manufacturing industry in 2021 contributed 12,1% to the total income, the same as 2017. The highest concentration ratio of the top five enterprises (CR5) was in 2014 at 16,2%. Similarly, the concentration ratios (CR) of the top 10, 20, 50 and 100 were the highest in 2014 at 26,0%, 36,5%, 48,6% and 58,1% respectively.

Table C – Profit margin in the manufacturing industry, 2011–2021

Type of manufacturer	Net profit/loss after tax				Turnover				Profit margin			
	2011	2014	2017	2021	2011	2014	2017	2021	2011	2014	2017	2021
	R million				R million				%			
Division 30 - Food products and beverages	14 750	14 244	29 731	11 090	273 223	359 665	488 951	574 567	5,4	4,0	6,1	1,9
Division 31 - Textiles, clothing, leather and footwear	1 112	1 583	2 042	1 081	43 854	43 256	59 808	58 190	2,5	3,7	3,4	1,9
Division 32 - Wood, wood products, paper, publishing and printing	3 903	6 767	8 465	3 847	92 185	109 647	157 103	155 708	4,2	6,2	5,4	2,5
Division 33 - Coke, petroleum, chemical products, rubber and plastic	26 153	41 123	27 821	13 959	485 136	671 393	636 796	664 210	5,4	6,1	4,4	2,1
Division 34 - Glass and other non-metallic mineral products	48	3 531	4 901	2 681	48 884	62 959	78 085	71 428	0,1	5,6	6,3	3,8
Division 35 - Metals, metal products, machinery and equipment	13 677	11 462	3 513	9 363	302 687	340 030	403 834	419 649	4,5	3,4	0,9	2,2
Division 36 - Electrical machinery and apparatus	3 159	2 496	1 804	1 202	48 297	58 992	58 746	64 948	6,5	4,2	3,1	1,9
Division 37 - Telecommunication, medical and optical equipment and watches and clocks	449	765	1 440	1 188	13 687	15 643	31 802	25 069	3,3	4,9	4,5	4,7
Division 38 - Transport equipment	9 941	8 956	13 082	6 413	239 170	312 445	430 314	427 653	4,2	2,9	3,0	1,5
Division 39 - Furniture, other manufacturing and recycling	4 598	5 343	5 731	868	55 163	55 917	93 241	89 514	8,3	9,6	6,1	1,0
Total	77 790	96 270	98 530	51 692	1 602 286	2 029 947	2 438 680	2 550 936	4,9	4,7	4,0	2,0

The profit margin for the manufacturing industry was 2,0% in 2021, the lowest since the start of this series in 2005. The 'telecommunication, medical and optical equipment and watches and clocks' and 'glass and other non-metallic mineral products' divisions had the highest profit margins, at 4,7% and 3,8% respectively. The 'furniture, other manufacturing and recycling' division had the lowest profit margin at 1,0%.

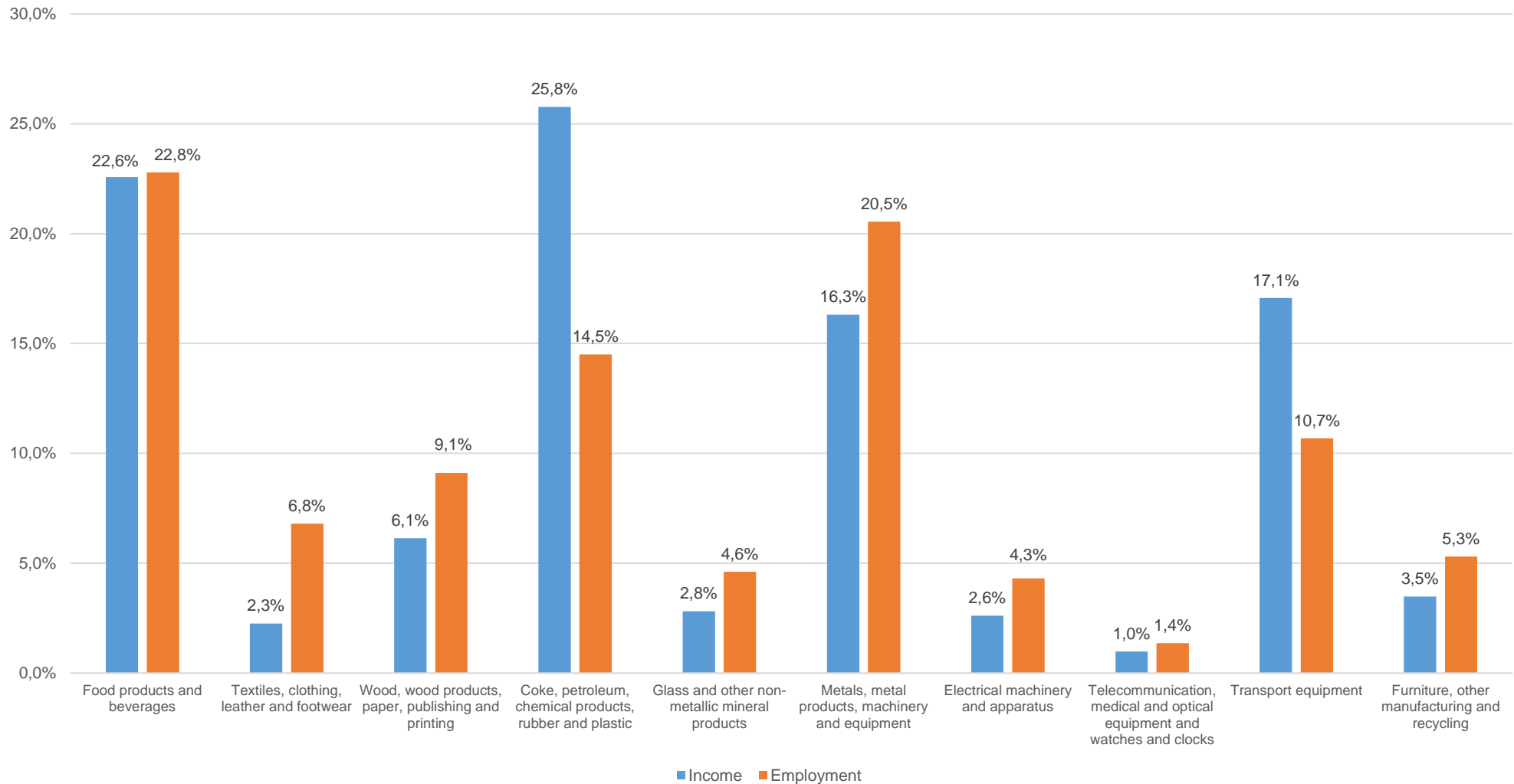
2.2. Employment

Table D – Employment as at the end of June in the manufacturing industry, 2011–2021

Type of manufacturer	2011		2014		2017		2021	
	Number	% contribution	Number	% contribution	Number	% contribution	Number	% contribution
Division 30 - Food products and beverages	222 537	17,2	230 317	19,6	229 710	19,4	248 930	22,8
Division 31 - Textiles, clothing, leather and footwear	127 055	9,8	103 968	8,9	88 620	7,5	74 235	6,8
Division 32 - Wood, wood products, paper, publishing and printing	138 525	10,7	125 821	10,7	130 211	11,0	99 572	9,1
Division 33 - Coke, petroleum, chemical products, rubber and plastic	178 598	13,8	173 401	14,8	175 346	14,8	158 402	14,5
Division 34 - Glass and other non-metallic mineral products	63 172	4,9	60 156	5,1	67 979	5,7	50 326	4,6
Division 35 - Metals, metal products, machinery and equipment	291 791	22,5	249 113	21,3	250 978	21,3	224 413	20,5
Division 36 - Electrical machinery and apparatus	50 732	3,9	44 579	3,8	47 567	4,0	47 091	4,3
Division 37 - Telecommunication, medical and optical equipment and watches and clocks	16 894	1,3	13 032	1,1	17 657	1,5	14 896	1,4
Division 38 - Transport equipment	123 748	9,6	109 337	9,3	107 943	9,1	116 661	10,7
Division 39 - Furniture, other manufacturing and recycling	81 997	6,3	62 844	5,4	67 495	5,7	57 891	5,3
Total	1 295 049	100,0	1 172 568	100,0	1 183 506	100,0	1 092 417	100,0

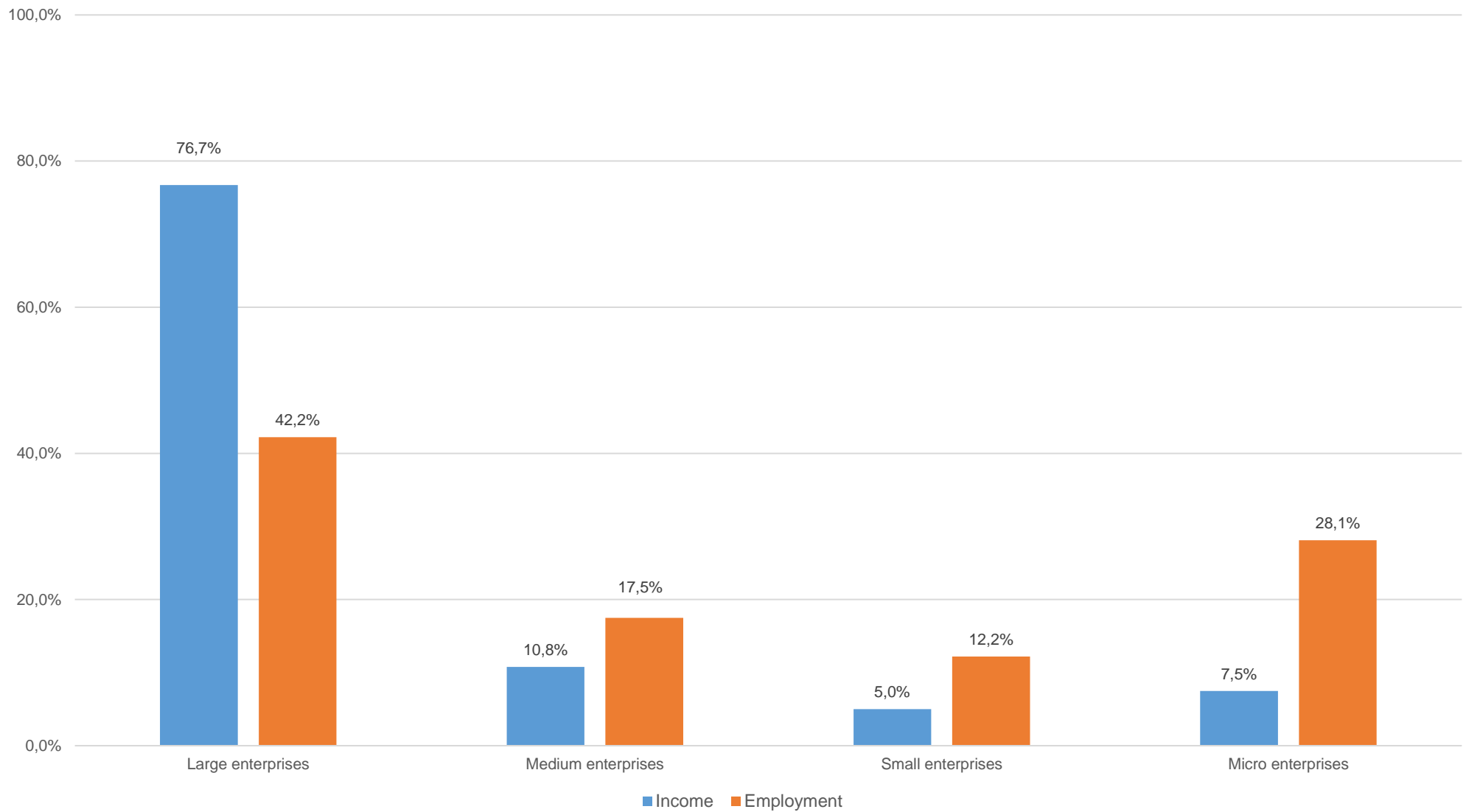
The total number of persons employed as at the end of June 2021 (1 092 417) in the manufacturing industry decreased by 2,0% (-91 089) per annum compared with the number employed as at the end of June 2017 (1 183 506). A large decrease in the number of persons employed was reported for the 'wood, wood products, paper, publishing and printing' division (-30 639), followed by the 'metals, metal products, machinery and equipment' (-26 565), 'glass and other non-metallic mineral products' (-17 653), 'coke, petroleum, chemical products, rubber and plastic' (-16 944) and 'textiles, clothing, leather and footwear' (-14 385) divisions. There were increases in the number of persons employed in the 'food products and beverages' (+19 220) and 'transport equipment' (+8 718) divisions.

The total number of persons employed in the manufacturing industry declined from 1 295 049 in 2011 to a low of 1 092 417 in 2021 (a loss of 202 632 employees). The biggest loss in the number of persons employed between 2011 and 2021 was in the 'metals, metal products, machinery and equipment' division (-67 378), followed by 'textiles, clothing, leather and footwear' (-52 820), 'wood, wood products, paper, publishing and printing' (-38 953) and 'furniture, other manufacturing and recycling' (-24 106) divisions. The only division that saw a gain in number of persons employed was 'food products and beverages' (+26 393).

Figure 1 – Income and employment by division (percentage contribution) in the manufacturing industry, 2021

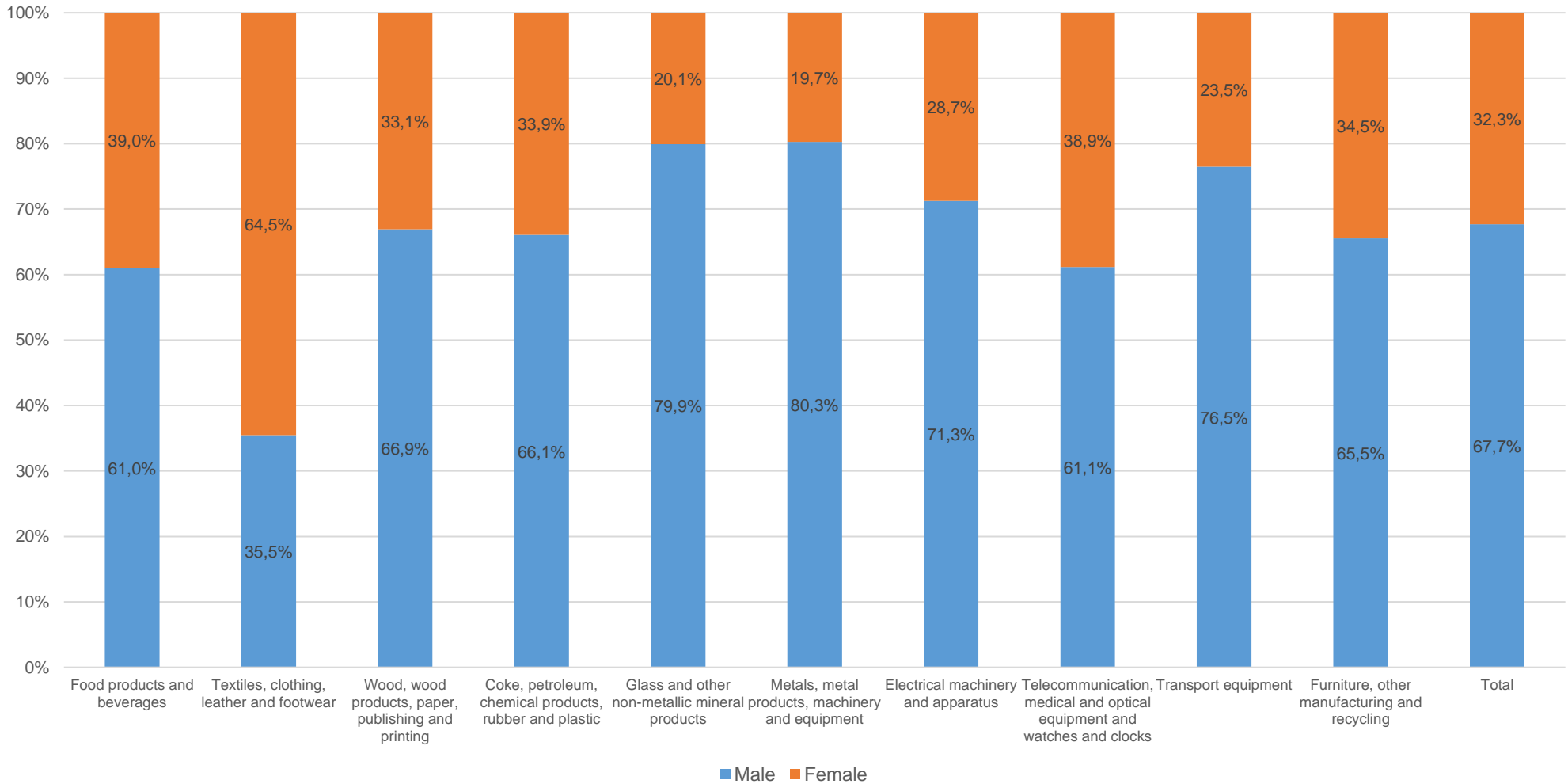
Based on the ratio of contributions, the division with the highest contribution of employment compared with its contribution of income was 'textiles, clothing, leather and footwear' (contributing 6,8% of employment and 2,3% of income), followed by 'electrical machinery and apparatus' (4,3% of employment and 2,6% of income) and 'glass and other non-metallic mineral products' (4,6% of employment and 2,8% of income). The 'coke, petroleum, chemical products, rubber and plastic' division contributed the highest proportion of income (25,8%) compared with its contribution to employment (14,5%), followed by 'transport equipment' (contributing 17,1% of income and 10,7% of employment).

Figure 2 – Income and employment by enterprise size (percentage contribution) in the manufacturing industry, 2021



Whereas large enterprises (those with annual turnover greater than R357 million) contributed 76,7% to the total income of the manufacturing industry in 2021, their contribution to employment was only 42,2%. The bigger share (57,8%) of the employment in the industry was created by small, medium and micro enterprises (SMMEs) with a contribution of 23,3% to total income.

Figure 3 – Employment gender ratio per division in the manufacturing industry, 2021



The ratio of males employed out of the total number of persons employed in 2021 was 67,7% and that of females employed was 32,3%. The only division with a high proportion of females employed compared with males employed was 'textiles, clothing, leather and footwear' (64,5%). 'Metals, metal products, machinery and equipment' had the highest ratio of males employed (80,3%), followed by 'glass and other non-metallic mineral products' (79,9%) and 'transport equipment' (76,5%).

Table E – Average salaries and wages in the manufacturing industry, 2011–2021

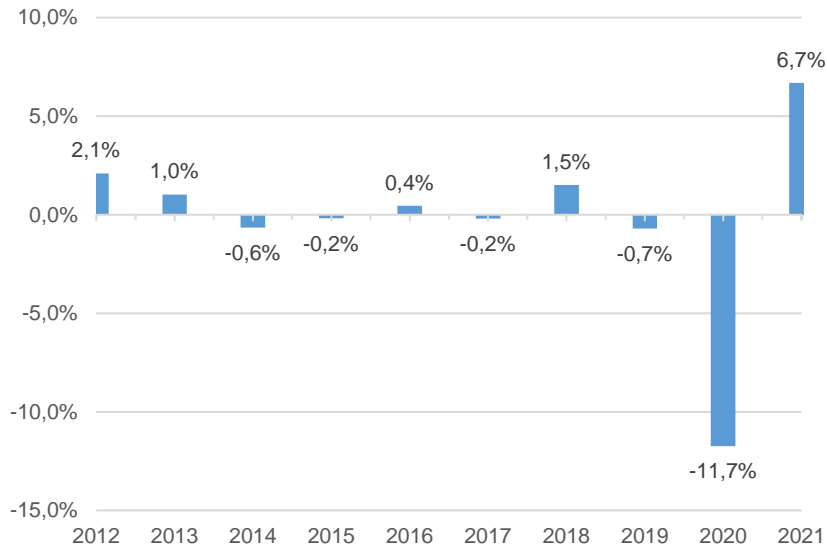
Type of manufacturer	2011			2014			2017			2021		
	Salaries and wages	Total employees	Average salaries and wages	Salaries and wages	Total employees	Average salaries and wages	Salaries and wages	Total employees	Average salaries and wages	Salaries and wages	Total employees	Average salaries and wages
	R million	Number	Rand	R million	Number	Rand	R million	Number	Rand	R million	Number	Rand
Division 30 - Food products and beverages	27 880	222 537	125 283	35 144	230 317	152 590	46 803	229 710	203 748	48 375	248 930	194 332
Division 31 - Textiles, clothing, leather and footwear	8 517	127 055	67 034	7 228	103 968	69 521	8 942	88 620	100 903	9 835	74 235	132 485
Division 32 - Wood, wood products, paper, publishing and printing	18 395	138 525	132 792	19 721	125 821	156 739	25 676	130 211	197 188	24 649	99 572	247 550
Division 33 - Coke, petroleum, chemical products, rubber and plastic	36 232	178 598	202 869	46 718	173 401	269 422	49 746	175 346	283 702	53 671	158 402	338 828
Division 34 - Glass and other non-metallic mineral products	7 392	63 172	117 014	8 647	60 156	143 743	10 734	67 979	157 902	11 002	50 326	218 615
Division 35 - Metals, metal products, machinery and equipment	45 091	291 791	154 532	51 467	249 113	206 601	62 092	250 978	247 400	61 047	224 413	272 030
Division 36 - Electrical machinery and apparatus	8 465	50 732	166 857	9 615	44 579	215 685	10 720	47 567	225 366	11 593	47 091	246 183
Division 37 - Telecommunication, medical and optical equipment and watches and clocks	3 246	16 894	192 139	2 937	13 032	225 368	4 801	17 657	271 903	4 236	14 896	284 372
Division 38 - Transport equipment	21 557	123 748	174 201	25 037	109 337	228 989	31 134	107 943	288 430	36 943	116 661	316 670
Division 39 - Furniture, other manufacturing and recycling	8 024	81 997	97 857	7 125	62 844	113 376	9 510	67 495	140 899	9 870	57 891	170 493
Total	184 799	1 295 049	142 697	213 639	1 172 568	182 198	260 158	1 183 506	219 820	271 221	1 092 417	248 276

Total average salaries and wages in the manufacturing industry in 2021 was R248 276. The division with the highest average salaries and wages was 'coke, petroleum, chemical products, rubber and plastic' (R338 828), followed by 'transport equipment' (R316 670) and 'telecommunication, medical and optical equipment and watches and clocks' (R284 372). The division with the lowest average salaries and wages was 'textiles, clothing, leather and footwear' (R132 485).

Average salaries and wages in the manufacturing industry increased from R142 697 in 2011 to R248 276 in 2021, an annualised growth rate of 5,7%.

2.3. Manufacturing industry value added

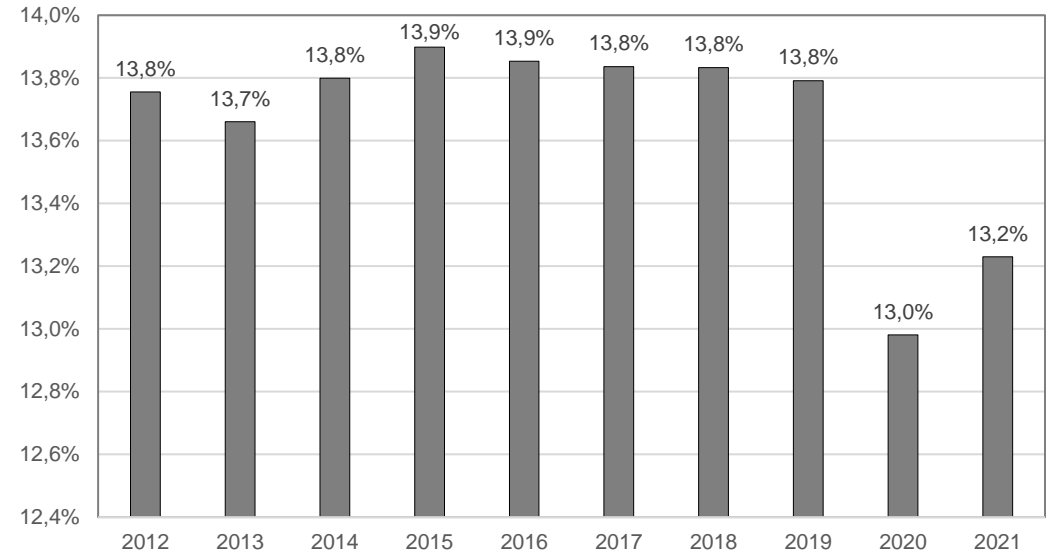
Figure 4 – Manufacturing value added, annual percentage change (constant 2015 prices), 2012–2021



(Source: P0441 *Gross domestic product* – 2023 Q1)

Annual manufacturing value added at constant 2015 prices decreased from R552,4 billion in 2012 to R526,7 billion in 2021. During this period, the biggest decrease was recorded between 2019 and 2020 (-11,7%). The largest increase was recorded between 2020 and 2021 (6,7%).

Figure 5 – Percentage contribution of manufacturing to total value added (current prices), 2012–2021



(Source: P0441 *Gross domestic product* – 2023 Q1)

Between 2012 and 2021, the contribution of the manufacturing industry to total value added was the lowest in 2020 at 13,0%.

2.4. Capital expenditure on new assets**Table F – Capital expenditure on new assets in the manufacturing industry, 2011–2021**

Type of manufacturer	2011		2014		2017		2021	
	R million	% contribution	R million	% contribution	R million	% contribution	R million	% contribution
Division 30 - Food products and beverages	11 581	16,8	14 327	18,7	17 508	18,1	25 529	24,0
Division 31 - Textiles, clothing, leather and footwear	1 016	1,5	1 181	1,5	1 555	1,6	1 066	1,0
Division 32 - Wood, wood products, paper, publishing and printing	5 085	7,4	7 073	9,2	8 840	9,1	9 677	9,1
Division 33 - Coke, petroleum, chemical products, rubber and plastic	25 770	37,3	30 410	39,7	39 716	41,0	29 073	27,3
Division 34 - Glass and other non-metallic mineral products	3 140	4,6	3 315	4,3	4 751	4,9	3 488	3,3
Division 35 - Metals, metal products, machinery and equipment	10 445	15,2	7 777	10,1	8 225	8,5	10 124	9,5
Division 36 - Electrical machinery and apparatus	1 008	1,5	1 170	1,5	1 390	1,4	856	0,8
Division 37 - Telecommunication, medical and optical equipment and watches and clocks	441	0,6	291	0,4	1 052	1,1	352	0,3
Division 38 - Transport equipment	8 638	12,6	10 108	13,2	11 638	12,0	21 568	20,3
Division 39 - Furniture, other manufacturing and recycling	1 703	2,5	1 041	1,4	2 300	2,4	4 687	4,4
Total	68 827	100,0	76 693	100,0	96 975	100,0	106 420	100,0

The total capital expenditure on new assets in the manufacturing industry was R106,4 billion in 2021. The largest contributor to the total capital expenditure was the 'coke, petroleum, chemical products, rubber and plastic' (R29,1 billion or 27,3%) division, followed by the 'food products and beverages' (R25,5 billion or 24,0%), 'transport equipment' (R21,6 billion or 20,3%) and 'metals, metal products, machinery and equipment' (R10,1 billion or 9,5%) divisions.

The expenditure on new assets in 2021 represents an increase of 2,4% per annum compared with the corresponding survey of 2017 (R97,0 billion). Large increases were reported for the 'transport equipment' (+R9,9 billion), 'food products and beverages' (+R8,0 billion) and 'furniture, other manufacturing and recycling' (+R2,4 billion) divisions. The largest decrease was reported for the 'coke, petroleum, chemical products, rubber and plastic' (-R10,6 billion) division.

2.5. Selected provincial statistics

Table G – Key statistics by province in the manufacturing industry, 2017 and 2021

Province	Sales of own manufactured goods and services				Employment			
	2017		2021		2017		2021	
	R million	% contribution	R million	% contribution	Number	% contribution	Number	% contribution
Western Cape	465 659	21,2	432 131	18,4	243 950	20,6	197 315	18,1
Eastern Cape	205 348	9,3	203 208	8,7	91 997	7,8	71 559	6,6
Northern Cape	22 390	1,0	18 008	0,8	10 491	0,9	9 565	0,9
Free State	100 546	4,6	122 882	5,2	37 866	3,2	40 265	3,7
KwaZulu-Natal	388 730	17,7	413 885	17,7	218 576	18,5	206 969	18,9
North West	38 603	1,8	52 480	2,2	24 145	2,0	30 373	2,8
Gauteng	875 740	39,8	974 041	41,6	501 270	42,3	474 447	43,3
Mpumalanga	67 420	3,1	86 428	3,7	35 574	3,0	37 026	3,4
Limpopo	34 069	1,5	39 500	1,7	19 637	1,7	24 898	2,3
Total	2 198 505	100,0	2 342 563	100,0	1 183 506	100,0	1 092 417	100,0

The province with the largest income from sales of own manufactured goods and services in 2021 was 'Gauteng' with R974,0 billion (or 41,6% of the total manufacturing industry), followed by 'Western Cape' (R432,1 billion or 18,4 %) and 'KwaZulu-Natal' (R413,9 billion or 17,7%).

Between 2017 and 2021, a large increase in income from sales of own manufactured goods and services was reported for 'Gauteng' (+R98,3 billion), followed by 'KwaZulu-Natal' (+R25,2 billion), 'Free State' (+R22,3 billion) and 'Mpumalanga' (+R19,0 billion). A significant decrease was reported for 'Western Cape' (-R33,5 billion).

The province with the largest number of persons employed in 2021 was 'Gauteng' with 474 447 (or 43,3% of the total manufacturing industry), followed by 'KwaZulu-Natal' (206 969 or 18,9%) and 'Western Cape' (197 315 or 18,1%).

Between 2017 and 2021, large decreases in the number of persons employed were reported for 'Western Cape' (-46 635), 'Gauteng' (-26 823) and 'Eastern Cape' (-20 438). Large increases were reported for 'North West' (+6 228) and 'Limpopo' (+5 261).

Table H – Key statistics by municipality in the manufacturing industry, 2017 and 2021

Municipality	Sales of own manufactured goods and services				Employment			
	2017		2021		2017		2021	
	R million	% contribution	R million	% contribution	Number	% contribution	Number	% contribution
Ekurhuleni	282 766	12,9	346 406	14,8	177 981	15,0	168 035	15,4
City of Johannesburg	329 446	15,0	336 693	14,4	188 440	15,9	187 964	17,2
City of Cape Town	364 478	16,6	328 002	14,0	190 516	16,1	154 514	14,1
eThekweni	255 144	11,6	271 228	11,6	143 760	12,1	136 124	12,5
City of Tshwane	177 819	8,1	214 806	9,2	87 593	7,4	88 717	8,1
Nelson Mandela Bay	118 259	5,4	121 625	5,2	49 580	4,2	41 662	3,8
Fezile Dabi	69 839	3,2	79 119	3,4	15 870	1,3	12 468	1,1
Cape Winelands	68 616	3,1	66 885	2,9	32 147	2,7	25 374	2,3
Buffalo City	73 570	3,3	60 970	2,6	34 079	2,9	17 448	1,6
Sedibeng	63 721	2,9	53 197	2,3	32 004	2,7	20 268	1,9
Other municipalities	394 847	18,0	463 632	19,8	231 536	19,6	239 843	22,0
Total	2 198 505	100,0	2 342 563	100,0	1 183 506	100,0	1 092 417	100,0

The municipality with the largest income from sales of own manufactured goods and services in 2021 was 'Ekurhuleni' with R346,4 billion (or 14,8% of the total manufacturing industry), followed by 'City of Johannesburg' (R336,7 billion or 14,4%), 'City of Cape Town' (R328,0 billion or 14,0%) and 'eThekweni' (R271,2 billion or 11,6%).

Between 2017 and 2021, large increases in income from sales of own manufactured goods and services were reported for 'Ekurhuleni' (+R63,6 billion), 'City of Tshwane' (+R37,0 billion) and 'eThekweni' (+R16,1 billion). Large decreases were reported for 'City of Cape Town' (-R36,5 billion) and 'Buffalo City' (-R12,6 billion).

The municipality with the largest number of persons employed in 2021 was 'City of Johannesburg' with 187 964 (or 17,2% of the total manufacturing industry), followed by 'Ekurhuleni' (168 035 or 15,4%), 'City of Cape Town' (154 514 or 14,1%) and 'eThekweni' (136 124 or 12,5%).

Between 2017 and 2021, large decreases in the number of persons employed were reported for 'City of Cape Town' (-36 002), 'Buffalo City' (-16 631), 'Sedibeng' (-11 736) and 'Ekurhuleni' (-9 946).


Risenga Maluleke
 Statistician-General

3. Tables

Table 1 – Principal statistics in the manufacturing industry, 2017 and 2021

Item	2017 ¹	2021 ²	Annualised % change
	R million		
Total sales of own manufactured products	2 136 058	2 273 789	1,6
Total sales and services	2 435 994	2 545 852	1,1
Total income	2 512 515	2 631 645	1,2
Total expenditure	2 381 479	2 566 364	1,9
Net profit or loss before tax	144 217	79 954	
Total opening inventory	318 138	366 213	3,6
Total closing inventory	331 319	380 886	3,5
Capital expenditure on new assets	96 975	106 420	2,4
Total salaries and wages	260 158	271 221	1,0
Total purchases	1 751 937	1 702 333	-0,7
	Number		
Total employees	1 183 506	1 092 417	-2,0

¹ Revised figures.

² Preliminary figures.

Table 2 – Principal statistics by division in the manufacturing industry, 2017 and 2021

Type of manufacturer	Total income			Total expenditure			Net profit or loss before tax	
	2017 ¹	2021 ²	Annualised % change	2017 ¹	2021 ²	Annualised % change	2017 ¹	2021 ²
	R million			R million			R million	
Division 30 - Food products and beverages	503 311	593 997	4,2	465 422	582 963	5,8	41 236	16 039
Division 31 - Textiles, clothing, leather and footwear	60 920	59 429	-0,6	57 730	57 492	-0,1	3 796	1 757
Division 32 - Wood, wood products, paper, publishing and printing	161 663	161 498	0,0	149 009	156 084	1,2	12 652	5 168
Division 33 - Coke, petroleum, chemical products, rubber and plastic	649 968	678 084	1,1	616 409	664 575	1,9	39 141	19 532
Division 34 - Glass and other non-metallic mineral products	81 040	74 156	-2,2	74 279	70 624	-1,3	6 944	4 162
Division 35 - Metals, metal products, machinery and equipment	410 117	429 211	1,1	403 153	415 091	0,7	9 148	15 464
Division 36 - Electrical machinery and apparatus	59 783	68 724	3,5	57 014	67 731	4,4	3 210	2 125
Division 37 - Telecommunication, medical and optical equipment and watches and clocks	32 450	25 747	-5,6	31 008	25 260	-5,0	1 885	1 638
Division 38 - Transport equipment	457 756	449 108	-0,5	438 640	435 198	-0,2	17 989	11 878
Division 39 - Furniture, other manufacturing and recycling	95 507	91 691	-1,0	88 815	91 346	0,7	8 216	2 191
Total	2 512 515	2 631 645	1,2	2 381 479	2 566 364	1,9	144 217	79 954

¹ Revised figures.² Preliminary figures.

Table 2 – Principal statistics by division in the manufacturing industry, 2017 and 2021 (concluded)

Type of manufacturer	Total opening inventory			Total closing inventory			Capital expenditure on new assets		
	2017 ¹	2021 ²	Annualised % change	2017 ¹	2021 ²	Annualised % change	2017 ¹	2021 ²	Annualised % change
	R million			R million			R million		
Division 30 - Food products and beverages	50 648	63 487	5,8	53 995	68 492	6,1	17 508	25 529	9,9
Division 31 - Textiles, clothing, leather and footwear	10 153	11 894	4,0	10 759	11 714	2,1	1 555	1 066	-9,0
Division 32 - Wood, wood products, paper, publishing and printing	17 216	19 412	3,0	17 214	19 166	2,7	8 840	9 677	2,3
Division 33 - Coke, petroleum, chemical products, rubber and plastic	78 571	83 592	1,6	84 153	89 615	1,6	39 716	29 073	-7,5
Division 34 - Glass and other non-metallic mineral products	9 108	9 294	0,5	9 291	9 924	1,7	4 751	3 488	-7,4
Division 35 - Metals, metal products, machinery and equipment	50 410	64 586	6,4	52 594	65 930	5,8	8 225	10 124	5,3
Division 36 - Electrical machinery and apparatus	8 686	10 730	5,4	9 127	11 862	6,8	1 390	856	-11,4
Division 37 - Telecommunication, medical and optical equipment and watches and clocks	4 419	4 972	3,0	4 862	6 123	5,9	1 052	352	-23,9
Division 38 - Transport equipment	76 904	84 731	2,5	75 777	82 699	2,2	11 638	21 568	16,7
Division 39 - Furniture, other manufacturing and recycling	12 023	13 515	3,0	13 547	15 361	3,2	2 300	4 687	19,5
Total	318 138	366 213	3,6	331 319	380 886	3,5	96 975	106 420	2,4

¹ Revised figures.² Preliminary figures.

Table 3 – Principal statistics in the manufacturing industry, 2021²

Type of manufacturer	Total income	Total expenditure	Net profit or loss before tax	Total opening inventory	Total closing inventory	Capital expenditure on new assets
	R million					
Division 30 - Food products and beverages	593 997	582 963	16 039	63 487	68 492	25 529
Production, processing and preserving of meat and meat products	64 871	62 954	1 816	2 454	2 353	854
Processing and preserving of fruit and vegetables	35 745	37 062	- 1 117	5 225	5 425	1 396
Manufacture of vegetable and animal oils and fats	48 229	46 037	3 027	3 653	4 488	1 222
Manufacture of dairy products	49 868	49 343	848	5 247	5 570	1 617
Manufacture of grain mill products, starches and starch products	47 774	46 280	2 401	3 234	4 141	1 056
Manufacture of prepared animal feeds	30 419	29 657	990	1 830	2 058	440
Manufacture of bakery products	56 810	52 790	4 342	5 398	5 720	2 376
Manufacture of sugar, cocoa, chocolate and sugar confectionery	50 366	47 301	5 138	8 597	10 670	4 713
Manufacture of macaroni, noodles, couscous and similar farinaceous and other food products n.e.c.	74 956	74 638	1 619	7 498	8 799	3 125
Manufacture of alcoholic and non-alcoholic beverages	134 959	136 901	- 3 025	20 351	19 268	8 730
Division 31 - Textiles, clothing, leather and footwear	59 429	57 492	1 757	11 894	11 714	1 066
Preparation and spinning of textile fibres and weaving and finishing of textiles	8 697	8 423	306	1 755	1 787	164
Manufacture of made-up textile articles, except apparel	7 545	7 366	202	1 618	1 641	100
Manufacture of carpets, rugs and mats	1 560	1 315	- 71	768	452	31
Manufacture of cordage, rope, twine and netting	935	807	122	159	153	30
Manufacture of other textiles	6 266	6 013	351	946	1 044	196
Manufacture of knitted and crocheted fabrics and articles	2 449	2 358	77	527	513	36
Manufacture of wearing apparel, except fur apparel	24 181	23 802	475	4 804	4 900	255
Dressing and dyeing of fur, manufacture of articles of fur, tanning and dressing of leather	3 415	3 173	206	572	536	182
Manufacture of luggage, handbags and the like, saddlery and harness	435	403	43	79	90	8
Manufacture of footwear	3 946	3 832	46	666	598	64

² Preliminary figures.

Table 3 – Principal statistics in the manufacturing industry, 2021² (continued)

Type of manufacturer	Total income	Total expenditure	Net profit or loss before tax	Total opening inventory	Total closing inventory	Capital expenditure on new assets
	R million					
Division 32 - Wood, wood products, paper, publishing and printing	161 498	156 084	5 168	19 412	19 166	9 677
Sawmilling and planing of wood	12 119	11 362	836	1 149	1 228	1 922
Manufacture of builders' carpentry and joinery	7 030	6 853	228	748	799	396
Manufacture of wooden containers	2 769	2 651	76	261	219	53
Manufacture of veneer sheets, plywood, other boards and other products of wood, articles of cork, straw and plaiting material	4 824	4 736	135	453	500	60
Manufacture of corrugated paper and paperboard and of containers of paper and paperboard	45 671	44 715	410	7 115	6 569	1 033
Manufacture of pulp, paper and paperboard and other articles of paper and paperboard	40 602	39 599	1 513	4 410	4 920	3 752
Publishing of books, brochures, musical books, newspapers, journals, periodicals and other publications	20 955	19 709	997	1 896	1 647	476
Publishing of recorded media and other publishing	245	251	- 4	3	5	5
Printing	24 607	23 624	875	3 166	3 058	1 954
Service activities related to printing and reproduction of recorded media	2 676	2 584	102	211	221	26
Division 33 - Coke, petroleum, chemical products, rubber and plastic	678 084	664 575	19 532	83 592	89 615	29 073
Manufacture of coke oven products	5 857	5 071	811	508	533	61
Manufacture of petrol, fuel oils and other petroleum products n.e.c.	296 774	310 833	- 12 778	32 857	34 138	13 495
Processing of nuclear fuels and manufacture of basic chemicals, except fertilisers and nitrogen compounds, plastic in primary form and synthetic rubber	110 409	99 974	13 358	10 623	13 546	6 531
Manufacture of fertilisers and nitrogen compounds; and plastics in primary forms and synthetic rubber	23 085	22 516	1 001	2 719	3 151	307
Manufacture of paints, varnishes and similar coatings, printing ink and mastics	21 142	20 519	612	3 738	3 727	535
Manufacture of pharmaceuticals, medicinal chemicals and botanical products	42 560	39 629	4 380	8 217	9 666	2 391
Manufacture of soap and detergents, perfumes and toilet preparations	51 460	46 252	5 719	6 268	6 779	1 481
Manufacture of pesticides and other agro-chemical products and other chemical products n.e.c.	42 292	38 621	3 387	5 713	5 429	843

² Preliminary figures.

Table 3 – Principal statistics in the manufacturing industry, 2021² (continued)

Type of manufacturer	Total income	Total expenditure	Net profit or loss before tax	Total opening inventory	Total closing inventory	Capital expenditure on new assets
	R million					
Manufacture of rubber tyres and tubes and retreading of tyres	14 574	14 939	- 1 409	4 457	3 413	400
Manufacture of man-made fibres and other rubber products	7 402	7 159	175	920	852	423
Manufacture of plastic products	62 529	59 062	4 276	7 572	8 381	2 606
Division 34 - Glass and other non-metallic mineral products	74 156	70 624	4 162	9 294	9 924	3 488
Manufacture of refractory ceramic products	3 802	3 463	295	568	524	140
Manufacture of structural non-refractory clay and ceramic products	8 529	7 553	908	1 342	1 274	93
Manufacture of cement, lime and plaster and articles of concrete, cement and plaster	44 837	42 439	2 818	4 475	4 895	1 073
Manufacture of glass and glass products, non-structural non-refractory ceramic ware, cutting and shaping of stones and other non-metallic mineral products n.e.c.	16 988	17 169	141	2 909	3 231	2 182
Division 35 - Metals, metal products, machinery and equipment	429 211	415 091	15 464	64 586	65 930	10 124
Manufacture of basic iron and steel	77 510	79 482	- 2 645	17 098	16 425	953
Manufacture of basic precious and non-ferrous metals	103 231	97 836	6 347	12 031	12 983	1 525
Manufacture of structural metal products	43 552	42 914	1 602	4 165	5 129	3 237
Treatment and coating of metals; general mechanical engineering	32 240	30 942	872	3 632	3 206	1 303
Manufacture of cutlery, hand tools and general hardware	4 276	3 865	463	834	886	82
Casting of iron, steel and non-ferrous metals; manufacture of tanks, reservoirs and similar containers of metal	35 294	34 035	1 863	5 049	5 653	616
Manufacture of engines and turbines, except aircraft, vehicle and motor cycle engines	2 191	1 982	212	167	170	75
Manufacture of pumps, compressors, taps and valves	19 439	18 039	1 402	3 345	3 347	451
Manufacture of ovens, furnaces and furnace burners	337	326	14	10	13	0
Manufacture of lifting and handling equipment	7 109	6 615	481	874	861	220
Manufacture of steam generators, household appliances and other general purpose machinery	28 014	27 715	701	4 266	4 668	661
Manufacture of agricultural and forestry machinery	5 843	5 834	- 41	1 095	1 045	116

² Preliminary figures.

Table 3 – Principal statistics in the manufacturing industry, 2021² (continued)

Type of manufacturer	Total income	Total expenditure	Net profit or loss before tax	Total opening inventory	Total closing inventory	Capital expenditure on new assets
	R million					
Manufacture of machine tools	3 808	3 651	134	760	737	81
Manufacture of machinery for mining, quarrying, construction and metallurgy	41 446	38 248	2 765	8 330	7 897	395
Manufacture of machinery for food, beverage and tobacco processing	3 161	2 938	226	258	261	59
Manufacture of machinery for textile and leather production, weapons and ammunition and other special purpose machinery	21 760	20 669	1 068	2 672	2 649	350
Division 36 - Electrical machinery and apparatus	68 724	67 731	2 125	10 730	11 862	856
Manufacture of electric motors, generators and transformers	26 021	26 579	- 2	4 276	4 832	156
Manufacture of electricity distribution and control apparatus	6 515	6 313	273	923	994	92
Manufacture of insulated wire and cable	11 972	12 169	- 171	2 123	2 149	222
Manufacture of accumulators, primary cells, batteries, electric lamps and lighting equipment	5 926	5 675	352	1 127	1 228	100
Manufacture of bearings, gears, gearing, driving elements and other electrical equipment	18 290	16 995	1 673	2 281	2 659	286
Division 37 - Telecommunication, medical and optical equipment and watches and clocks	25 747	25 260	1 638	4 972	6 123	352
Manufacture of electronic valves and tubes, television and radio transmitters and receivers, sound or video recording, line telephony apparatus and other electronic components	13 417	13 705	698	1 951	2 937	141
Manufacture of medical and surgical equipment and orthopaedic appliances	2 848	2 619	383	428	582	46
Manufacture of instruments and appliances for measuring, testing, navigating and industrial process control equipment	7 748	7 214	457	2 129	2 052	134
Manufacture of watches and clocks, optical instruments and photographic equipment	1 734	1 722	100	464	552	31
Division 38 - Transport equipment	449 108	435 198	11 878	84 731	82 699	21 568
Manufacture of bodies (coachwork) for motor vehicles, trailers and semi-trailers	14 703	14 268	880	2 395	2 840	636
Manufacture of parts for motor vehicles and their engines	108 196	104 407	2 712	15 546	14 469	2 977
Building and repairing of ships	1 354	1 816	59	765	1 286	36
Building and repairing of pleasure and sporting boats	3 006	2 850	156	118	118	49

² Preliminary figures.

Table 3 – Principal statistics in the manufacturing industry, 2021² (concluded)

Type of manufacturer	Total income	Total expenditure	Net profit or loss before tax	Total opening inventory	Total closing inventory	Capital expenditure on new assets
	R million					
Manufacture of aircraft	9 627	10 563	192	1 637	2 765	523
Manufacture of motor vehicles; railway and tramway locomotives and rolling stock; motor cycles; bicycles, invalid carriages and other transport equipment	312 222	301 294	7 879	64 270	61 221	17 347
Division 39 - Furniture, other manufacturing and recycling	91 691	91 346	2 191	13 515	15 361	4 687
Manufacture of furniture	18 136	19 638	- 1 539	1 956	1 919	173
Manufacture of jewellery and related articles	17 292	16 882	1 167	3 444	4 201	252
Manufacture of musical instruments, sports goods, games and toys.	442	413	51	95	117	21
Manufacture of tobacco products and other manufacturing n.e.c.	35 502	34 670	1 858	7 266	8 292	3 640
Recycling of waste and scrap n.e.c.	20 319	19 743	654	754	832	601
Total	2 631 645	2 566 364	79 954	366 213	380 886	106 420

² Preliminary figures.

Table 4 – Profit margin in the manufacturing industry, 2017 and 2021

Type of manufacturer	Net profit or loss after tax		Turnover			Profit margin	
	2017 ¹	2021 ²	2017 ¹	2021 ²	Annualised % change	2017 ¹	2021 ²
	R million					%	
Division 30 - Food products and beverages	29 731	11 090	488 951	574 567	4,1	6,1	1,9
Division 31 - Textiles, clothing, leather and footwear	2 042	1 081	59 808	58 190	-0,7	3,4	1,9
Division 32 - Wood, wood products, paper, publishing and printing	8 465	3 847	157 103	155 708	-0,2	5,4	2,5
Division 33 - Coke, petroleum, chemical products, rubber and plastic	27 821	13 959	636 796	664 210	1,1	4,4	2,1
Division 34 - Glass and other non-metallic mineral products	4 901	2 681	78 085	71 428	-2,2	6,3	3,8
Division 35 - Metals, metal products, machinery and equipment	3 513	9 363	403 834	419 649	1,0	0,9	2,2
Division 36 - Electrical machinery and apparatus	1 804	1 202	58 746	64 948	2,5	3,1	1,9
Division 37 - Telecommunication, medical and optical equipment and watches and clocks	1 440	1 188	31 802	25 069	-5,8	4,5	4,7
Division 38 - Transport equipment	13 082	6 413	430 314	427 653	-0,2	3,0	1,5
Division 39 - Furniture, other manufacturing and recycling	5 731	868	93 241	89 514	-1,0	6,1	1,0
Total	98 530	51 692	2 438 680	2 550 936	1,1	4,0	2,0

¹ Revised figures.² Preliminary figures.

Table 5 – Profit margin in the manufacturing industry, 2021²

Type of manufacturer	Net profit or loss after tax	Turnover	Profit margin
	R million		%
Division 30 - Food products and beverages	11 090	574 567	1,9
Production, processing and preserving of meat and meat products	1 433	63 475	2,3
Processing and preserving of fruit and vegetables	-1 372	33 673	-4,1
Manufacture of vegetable and animal oils and fats	2 538	47 905	5,3
Manufacture of dairy products	480	48 183	1,0
Manufacture of grain mill products, starches and starch products	2 134	47 380	4,5
Manufacture of prepared animal feeds	700	30 140	2,3
Manufacture of bakery products	3 329	56 630	5,9
Manufacture of sugar, cocoa, chocolate and sugar confectionery	4 927	49 188	10,0
Manufacture of macaroni, noodles, couscous and similar farinaceous and other food products n.e.c.	1 214	73 178	1,7
Manufacture of alcoholic and non-alcoholic beverages	-4 293	124 815	-3,4
Division 31 - Textiles, clothing, leather and footwear	1 081	58 190	1,9
Preparation and spinning of textile fibres and weaving and finishing of textiles	199	8 471	2,3
Manufacture of made-up textile articles, except apparel	115	7 399	1,6
Manufacture of carpets, rugs and mats	-81	1 541	-5,3
Manufacture of cordage, rope, twine and netting	95	922	10,3
Manufacture of other textiles	289	6 182	4,7
Manufacture of knitted and crocheted fabrics and articles	50	2 366	2,1
Manufacture of wearing apparel, except fur apparel	266	23 664	1,1
Dressing and dyeing of fur, manufacture of articles of fur, tanning and dressing of leather	129	3 366	3,8
Manufacture of luggage, handbags and the like, saddlery and harness	32	430	7,4
Manufacture of footwear	-13	3 849	-0,3
Division 32 - Wood, wood products, paper, publishing and printing	3 847	155 708	2,5
Sawmilling and planing of wood	596	11 780	5,1
Manufacture of builders' carpentry and joinery	154	6 846	2,2
Manufacture of wooden containers	56	2 723	2,1
Manufacture of veneer sheets, plywood, other boards and other products of wood, articles of cork, straw and plaiting materials	85	4 765	1,8

² Preliminary figures.

Table 5 – Profit margin in the manufacturing industry, 2021² (continued)

Type of manufacturer	Net profit or loss after tax	Turnover	Profit margin
	R million		%
Manufacture of corrugated paper and paperboard and of containers of paper and paperboard	239	44 510	0,5
Manufacture of pulp, paper and paperboard and other articles of paper and paperboard	1 523	39 923	3,8
Publishing of books, brochures, musical books, newspapers, journals, periodicals and other publications	475	18 008	2,6
Publishing of recorded media and other publishing	-17	232	-7,3
Printing	671	24 309	2,8
Service activities related to printing and reproduction of recorded media	65	2 612	2,5
Division 33 - Coke, petroleum, chemical products, rubber and plastic	13 959	664 210	2,1
Manufacture of coke oven products	723	5 800	12,5
Manufacture of petrol, fuel oils and other petroleum products n.e.c.	-9 422	292 484	-3,2
Processing of nuclear fuels and manufacture of basic chemicals, except fertilisers and nitrogen compounds, plastic in primary form and synthetic rubber	9 459	107 292	8,8
Manufacture of fertilisers and nitrogen compounds; and plastics in primary forms and synthetic rubber	696	22 766	3,1
Manufacture of paints, varnishes and similar coatings, printing ink and mastics	106	20 854	0,5
Manufacture of pharmaceuticals, medicinal chemicals and botanical products	3 514	40 425	8,7
Manufacture of soap and detergents, perfumes and toilet preparations	4 483	50 999	8,8
Manufacture of pesticides and other agro-chemical products and other chemical products n.e.c.	2 739	40 991	6,7
Manufacture of rubber tyres and tubes and retreading of tyres	-1 418	13 936	-10,2
Manufacture of man-made fibres and other rubber products	68	7 080	1,0
Manufacture of plastic products	3 011	61 583	4,9
Division 34 - Glass and other non-metallic mineral products	2 681	71 428	3,8
Manufacture of refractory ceramic products	240	3 723	6,4
Manufacture of structural non-refractory clay and ceramic products	637	8 268	7,7
Manufacture of cement, lime and plaster and articles of concrete, cement and plaster	2 108	43 208	4,9
Manufacture of glass and glass products, non-structural non-refractory ceramic ware, cutting and shaping of stones and other non-metallic mineral products n.e.c.	-304	16 229	-1,9
Division 35 - Metals, metal products, machinery and equipment	9 363	419 649	2,2
Manufacture of basic iron and steel	-3 108	76 871	-4,0
Manufacture of basic precious and non-ferrous metals	4 750	101 005	4,7
Manufacture of structural metal products	1 172	42 292	2,8
Treatment and coating of metals; general mechanical engineering	677	31 415	2,2

² Preliminary figures.

Table 5 – Profit margin in the manufacturing industry, 2021² (continued)

Type of manufacturer	Net profit or loss after tax	Turnover	Profit margin
	R million		%
Manufacture of cutlery, hand tools and general hardware	299	4 205	7,1
Casting of iron, steel and non-ferrous metals; manufacture of tanks, reservoirs and similar containers of metal	1 270	34 446	3,7
Manufacture of engines and turbines, except aircraft, vehicle and motor cycle engines	153	2 123	7,2
Manufacture of pumps, compressors, taps and valves	1 002	18 817	5,3
Manufacture of ovens, furnaces and furnace burners	9	330	2,7
Manufacture of lifting and handling equipment	353	6 980	5,1
Manufacture of steam generators, household appliances and other general purpose machinery	35	27 280	0,1
Manufacture of agricultural and forestry machinery	-195	5 737	-3,4
Manufacture of machine tools	66	3 718	1,8
Manufacture of machinery for mining, quarrying, construction and metallurgy	2 005	40 064	5,0
Manufacture of machinery for food, beverage and tobacco processing	148	3 113	4,8
Manufacture of machinery for textile and leather production, weapons and ammunition and other special purpose machinery	727	21 253	3,4
Division 36 - Electrical machinery and apparatus	1 202	64 948	1,9
Manufacture of electric motors, generators and transformers	-22	24 949	-0,1
Manufacture of electricity distribution and control apparatus	165	6 381	2,6
Manufacture of insulated wire and cable	-289	11 776	-2,5
Manufacture of accumulators, primary cells, batteries, electric lamps and lighting equipment	271	5 744	4,7
Manufacture of bearings, gears, gearing, driving elements and other electrical equipment	1 077	16 098	6,7
Division 37 - Telecommunication, medical and optical equipment and watches and clocks	1 188	25 069	4,7
Manufacture of electronic valves and tubes, television and radio transmitters and receivers, sound or video recording, line telephony apparatus and other electronic components	471	13 187	3,6
Manufacture of medical and surgical equipment and orthopaedic appliances	334	2 681	12,5
Manufacture of instruments and appliances for measuring, testing, navigating and industrial process control equipment	323	7 481	4,3
Manufacture of watches and clocks, optical instruments and photographic equipment	60	1 720	3,5
Division 38 - Transport equipment	6 413	427 653	1,5
Manufacture of bodies (coachwork) for motor vehicles, trailers and semi-trailers	677	14 093	4,8
Manufacture of parts for motor vehicles and their engines	601	106 031	0,6
Building and repairing of ships	72	1 210	6,0
Building and repairing of pleasure and sporting boats	121	2 966	4,1

² Preliminary figures.

Table 5 – Profit margin in the manufacturing industry, 2021² (concluded)

Type of manufacturer	Net profit or loss after tax	Turnover	Profit margin
	R million		%
Manufacture of aircraft	-31	9 231	-0,3
Manufacture of motor vehicles; railway and tramway locomotives and rolling stock; motor cycles; bicycles, invalid carriages and other transport equipment	4 973	294 122	1,7
Division 39 - Furniture, other manufacturing and recycling	868	89 514	1,0
Manufacture of furniture	-1 892	17 881	-10,6
Manufacture of jewellery and related articles	965	16 779	5,8
Manufacture of musical instruments, sports goods, games and toys	18	399	4,5
Manufacture of tobacco products and other manufacturing n.e.c.	1 289	34 414	3,7
Recycling of waste and scrap n.e.c.	488	20 041	2,4
Total	51 692	2 550 936	2,0

² Preliminary figures.

Table 6 – Income in the manufacturing industry, 2017 and 2021

Type of manufacturer	Sales of goods			Income from services rendered			Other income			Total income		
	2017 ¹	2021 ²	Annualised % change	2017 ¹	2021 ²	Annualised % change	2017 ¹	2021 ²	Annualised % change	2017 ¹	2021 ²	Annualised % change
	R million			R million			R million			R million		
Division 30 - Food products and beverages	484 944	569 908	4,1	3 567	4 304	4,8	14 800	19 785	7,5	503 311	593 997	4,2
Division 31 - Textiles, clothing, leather and footwear	59 526	57 698	-0,8	227	368	12,8	1 167	1 363	4,0	60 920	59 429	-0,6
Division 32 - Wood, wood products, paper, publishing and printing	153 684	152 267	-0,2	3 330	3 176	-1,2	4 649	6 055	6,8	161 663	161 498	0,0
Division 33 - Coke, petroleum, chemical products, rubber and plastic	629 458	654 278	1,0	6 474	8 738	7,8	14 036	15 068	1,8	649 968	678 084	1,1
Division 34 - Glass and other non-metallic mineral products	77 153	69 299	-2,6	780	2 024	26,9	3 107	2 833	-2,3	81 040	74 156	-2,2
Division 35 - Metals, metal products, machinery and equipment	381 644	393 505	0,8	21 564	24 086	2,8	6 909	11 620	13,9	410 117	429 211	1,1
Division 36 - Electrical machinery and apparatus	53 828	59 620	2,6	4 880	5 272	2,0	1 075	3 832	37,4	59 783	68 724	3,5
Division 37 - Telecommunication, medical and optical equipment and watches and clocks	28 587	22 838	-5,5	3 175	2 224	-8,5	688	685	-0,1	32 450	25 747	-5,6
Division 38 - Transport equipment	413 588	409 613	-0,2	16 410	17 376	1,4	27 758	22 119	-5,5	457 756	449 108	-0,5
Division 39 - Furniture, other manufacturing and recycling	91 135	88 052	-0,9	2 040	1 206	-12,3	2 332	2 433	1,1	95 507	91 691	-1,0
Total	2 373 547	2 477 078	1,1	62 447	68 774	2,4	76 521	85 793	2,9	2 512 515	2 631 645	1,2

¹ Revised figures.² Preliminary figures.

Table 7 – Income in the manufacturing industry, 2021²

Type of manufacturer	Sales of goods	Income from services rendered	Other income	Total income
	R million			
Division 30 - Food products and beverages	569 908	4 304	19 785	593 997
Production, processing and preserving of meat and meat products	63 090	358	1 423	64 871
Processing and preserving of fruit and vegetables	33 533	110	2 102	35 745
Manufacture of vegetable and animal oils and fats	47 733	161	335	48 229
Manufacture of dairy products	45 997	2 174	1 697	49 868
Manufacture of grain mill products, starches and starch products	47 147	180	447	47 774
Manufacture of prepared animal feeds	30 043	91	285	30 419
Manufacture of bakery products	56 393	233	184	56 810
Manufacture of sugar, cocoa, chocolate and sugar confectionery	49 102	36	1 228	50 366
Manufacture of macaroni, noodles, couscous and similar farinaceous and other food products n.e.c.	72 729	346	1 881	74 956
Manufacture of alcoholic and non-alcoholic beverages	124 141	615	10 203	134 959
Division 31 - Textiles, clothing, leather and footwear	57 698	368	1 363	59 429
Preparation and spinning of textile fibres and weaving and finishing of textiles	8 436	24	237	8 697
Manufacture of made-up textile articles, except apparel	7 312	49	184	7 545
Manufacture of carpets, rugs and mats	1 537	0	23	1 560
Manufacture of cordage, rope, twine and netting	921	0	14	935
Manufacture of other textiles	6 110	42	114	6 266
Manufacture of knitted and crocheted fabrics and articles	2 322	43	84	2 449
Manufacture of wearing apparel, except fur apparel	23 493	142	546	24 181
Dressing and dyeing of fur, manufacture of articles of fur, tanning and dressing of leather	3 299	62	54	3 415
Manufacture of luggage, handbags and the like, saddlery and harness	430	0	5	435
Manufacture of footwear	3 838	6	102	3 946

² Preliminary figures.

Table 7 – Income in the manufacturing industry, 2021² (continued)

Type of manufacturer	Sales of goods	Income from services rendered	Other income	Total income
	R million			
Division 32 - Wood, wood products, paper, publishing and printing	152 267	3 176	6 055	161 498
Sawmilling and planing of wood	11 701	23	395	12 119
Manufacture of builders' carpentry and joinery	6 810	9	211	7 030
Manufacture of wooden containers	2 700	8	61	2 769
Manufacture of veneer sheets, plywood, other boards and other products of wood, articles of cork, straw and plaiting material	4 712	42	70	4 824
Manufacture of corrugated paper and paperboard and of containers of paper and paperboard	44 014	446	1 211	45 671
Manufacture of pulp, paper and paperboard and other articles of paper and paperboard	39 734	134	734	40 602
Publishing of books, brochures, musical books, newspapers, journals, periodicals and other publications	16 215	1 787	2 953	20 955
Publishing of recorded media and other publishing	162	67	16	245
Printing	23 835	432	340	24 607
Service activities related to printing and reproduction of recorded media	2 384	228	64	2 676
Division 33 - Coke, petroleum, chemical products, rubber and plastic	654 278	8 738	15 068	678 084
Manufacture of coke oven products	5 451	337	69	5 857
Manufacture of petrol, fuel oils and other petroleum products n.e.c.	288 226	3 715	4 833	296 774
Processing of nuclear fuels and manufacture of basic chemicals, except fertilisers and nitrogen compounds, plastic in primary form and synthetic rubber	106 317	710	3 382	110 409
Manufacture of fertilisers and nitrogen compounds; and plastics in primary forms and synthetic rubber	22 597	151	337	23 085
Manufacture of paints, varnishes and similar coatings, printing ink and mastics	20 498	345	299	21 142
Manufacture of pharmaceuticals, medicinal chemicals and botanical products	39 592	795	2 173	42 560
Manufacture of soap and detergents, perfumes and toilet preparations	50 717	254	489	51 460
Manufacture of pesticides and other agro-chemical products and other chemical products n.e.c.	39 358	1 424	1 510	42 292
Manufacture of rubber tyres and tubes and retreading of tyres	13 744	189	641	14 574
Manufacture of man-made fibres and other rubber products	6 700	372	330	7 402
Manufacture of plastic products	61 078	446	1 005	62 529

² Preliminary figures.

Table 7 – Income in the manufacturing industry, 2021² (continued)

Type of manufacturer	Sales of goods	Income from services rendered	Other income	Total income
	R million			
Division 34 - Glass and other non-metallic mineral products	69 299	2 024	2 833	74 156
Manufacture of refractory ceramic products	3 626	84	92	3 802
Manufacture of structural non-refractory clay and ceramic products	8 158	92	279	8 529
Manufacture of cement, lime and plaster and articles of concrete, cement and plaster	41 706	1 447	1 684	44 837
Manufacture of glass and glass products, non-structural non-refractory ceramic ware, cutting and shaping of stones and other non-metallic mineral products n.e.c.	15 809	401	778	16 988
Division 35 - Metals, metal products, machinery and equipment	393 505	24 086	11 620	429 211
Manufacture of basic iron and steel	76 590	127	793	77 510
Manufacture of basic precious and non-ferrous metals	99 166	1 832	2 233	103 231
Manufacture of structural metal products	39 528	1 230	2 794	43 552
Treatment and coating of metals; general mechanical engineering	28 197	3 189	854	32 240
Manufacture of cutlery, hand tools and general hardware	4 133	65	78	4 276
Casting of iron, steel and non-ferrous metals; manufacture of tanks, reservoirs and similar containers of metal	33 460	948	886	35 294
Manufacture of engines and turbines, except aircraft, vehicle and motor cycle engines	1 194	927	70	2 191
Manufacture of pumps, compressors, taps and valves	16 768	2 049	622	19 439
Manufacture of ovens, furnaces and furnace burners	191	135	11	337
Manufacture of lifting and handling equipment	5 716	1 254	139	7 109
Manufacture of steam generators, household appliances and other general purpose machinery	24 764	2 509	741	28 014
Manufacture of agricultural and forestry machinery	5 554	179	110	5 843
Manufacture of machine tools	3 642	52	114	3 808
Manufacture of machinery for mining, quarrying, construction and metallurgy	34 953	5 091	1 402	41 446
Manufacture of machinery for food, beverage and tobacco processing	2 994	96	71	3 161
Manufacture of machinery for textile and leather production, weapons and ammunition and other special purpose machinery	16 655	4 403	702	21 760

² Preliminary figures.

Table 7 – Income in the manufacturing industry, 2021² (concluded)

Type of manufacturer	Sales of goods	Income from services rendered	Other income	Total income
	R million			
Division 36 - Electrical machinery and apparatus	59 620	5 272	3 832	68 724
Manufacture of electric motors, generators and transformers	20 865	4 062	1 094	26 021
Manufacture of electricity distribution and control apparatus	6 249	127	139	6 515
Manufacture of insulated wire and cable	11 576	199	197	11 972
Manufacture of accumulators, primary cells, batteries, electric lamps and lighting equipment	5 714	20	192	5 926
Manufacture of bearings, gears, gearing, driving elements and other electrical equipment	15 216	864	2 210	18 290
Division 37 - Telecommunication, medical and optical equipment and watches and clocks	22 838	2 224	685	25 747
Manufacture of electronic valves and tubes, television and radio transmitters and receivers, sound or video recording, line telephony apparatus and other electronic components	12 729	452	236	13 417
Manufacture of medical and surgical equipment and orthopaedic appliances	2 613	68	167	2 848
Manufacture of instruments and appliances for measuring, testing, navigating and industrial process control equipment	5 855	1 625	268	7 748
Manufacture of watches and clocks, optical instruments and photographic equipment	1 641	79	14	1 734
Division 38 - Transport equipment	409 613	17 376	22 119	449 108
Manufacture of bodies (coachwork) for motor vehicles, trailers and semi-trailers	13 623	465	615	14 703
Manufacture of parts for motor vehicles and their engines	103 151	2 844	2 201	108 196
Building and repairing of ships	1 088	116	150	1 354
Building and repairing of pleasure and sporting boats	2 835	131	40	3 006
Manufacture of aircraft	3 110	6 098	419	9 627
Manufacture of motor vehicles; railway and tramway locomotives and rolling stock; motor cycles; bicycles, invalid carriages and other transport equipment	285 806	7 722	18 694	312 222
Division 39 - Furniture, other manufacturing and recycling	88 052	1 206	2 433	91 691
Manufacture of furniture	17 511	212	413	18 136
Manufacture of jewellery and related articles	16 747	31	514	17 292
Manufacture of musical instruments, sports goods, games and toys	395	3	44	442
Manufacture of tobacco products and other manufacturing n.e.c.	33 865	511	1 126	35 502
Recycling of waste and scrap n.e.c.	19 534	449	336	20 319
Total	2 477 078	68 774	85 793	2 631 645

² Preliminary figures.

Table 8 – Income by enterprise size in the manufacturing industry, 2021²

Type of manufacturer	Large enterprises	Medium enterprises	Small enterprises	Micro enterprises	Total
	R million				
Division 30 - Food products and beverages	499 497	55 588	17 920	20 992	593 997
Division 31 - Textiles, clothing, leather and footwear	15 232	22 594	9 419	12 184	59 429
Division 32 - Wood, wood products, paper, publishing and printing	107 324	22 469	11 590	20 115	161 498
Division 33 - Coke, petroleum, chemical products, rubber and plastic	565 610	61 174	25 253	26 047	678 084
Division 34 - Glass and other non-metallic mineral products	45 867	11 725	7 792	8 772	74 156
Division 35 - Metals, metal products, machinery and equipment	265 410	61 695	35 884	66 222	429 211
Division 36 - Electrical machinery and apparatus	45 839	10 796	5 457	6 632	68 724
Division 37 - Telecommunication, medical and optical equipment and watches and clocks	13 821	5 191	2 575	4 160	25 747
Division 38 - Transport equipment	405 037	19 836	7 450	16 785	449 108
Division 39 - Furniture, other manufacturing and recycling	55 445	12 801	8 274	15 171	91 691
Total	2 019 082	283 869	131 614	197 080	2 631 645

² Preliminary figures.

Table 9 – Concentration ratios for total income in the manufacturing industry, 2021²

Type of manufacturer	Total income	Income of 5 largest enterprises ³	Relative contribution of 5 largest enterprises ⁴	Income of 10 largest enterprises ³	Relative contribution of 10 largest enterprises ⁴	Income of 20 largest enterprises ³	Relative contribution of 20 largest enterprises ⁴
	R million		%	R million		%	R million
Division 30 - Food products and beverages	593 997	147 482	24,8	206 956	34,8	270 372	45,5
Production, processing and preserving of meat and meat products	64 871	16 597	25,6	24 017	37,0	32 188	49,6
Processing and preserving of fruit and vegetables	35 745	19 402	54,3	24 187	67,7	28 923	80,9
Manufacture of vegetable and animal oils and fats	48 229	30 433	63,1	41 544	86,1	47 501	98,5
Manufacture of dairy products	49 868	27 498	55,1	35 064	70,3	43 210	86,6
Manufacture of grain mill products, starches and starch products	47 774	26 726	55,9	32 626	68,3	40 016	83,8
Manufacture of prepared animal feeds	30 419	13 469	44,3	18 292	60,1	23 867	78,5
Manufacture of bakery products	56 810	48 490	85,4	50 052	88,1	51 983	91,5
Manufacture of sugar, cocoa, chocolate and sugar confectionery	50 366	41 903	83,2	47 657	94,6	49 377	98,0
Manufacture of macaroni, noodles, couscous and similar farinaceous and other food products n.e.c.	74 956	29 398	39,2	39 212	52,3	46 867	62,5
Manufacture of alcoholic and non-alcoholic beverages	134 959	104 572	77,5	115 256	85,4	123 337	91,4
Division 31 - Textiles, clothing, leather and footwear	59 429	8 436	14,2	11 298	19,0	15 944	26,8
Preparation and spinning of textile fibres and weaving and finishing of textiles	8 697	3 005	34,6	4 620	53,1	6 374	73,3
Manufacture of made-up textile articles, except apparel	7 545	1 792	23,8	2 916	38,6	4 276	56,7
Manufacture of carpets, rugs and mats	1 560	1 353	86,7	1 524	97,7	1 560	100,0
Manufacture of cordage, rope, twine and netting	935	661	70,7	826	88,3	935	100,0
Manufacture of other textiles	6 266	1 828	29,2	2 652	42,3	3 436	54,8
Manufacture of knitted and crocheted fabrics and articles	2 449	1 091	44,5	1 552	63,4	2 036	83,1
Manufacture of wearing apparel, except fur apparel	24 181	6 782	28,0	9 200	38,0	12 622	52,2
Dressing and dyeing of fur, manufacture of articles of fur, tanning and dressing of leather	3 415	2 544	74,5	3 048	89,3	3 335	97,7
Manufacture of luggage, handbags and the like, saddlery and harness	435	104	23,9	160	36,8	231	53,1
Manufacture of footwear	3 946	1 330	33,7	1 938	49,1	2 523	63,9

² Preliminary figures.³ These figures reflect the income of the 5, 10 and 20 largest enterprises respectively for each row.⁴ Relative contribution = income of the largest enterprises divided by total income, multiplied by 100.

Table 9 – Concentration ratios for total income in the manufacturing industry, 2021² (continued)

Type of manufacturer	Total income	Income of 5 largest enterprises ³	Relative contribution of 5 largest enterprises ⁴	Income of 10 largest enterprises ³	Relative contribution of 10 largest enterprises ⁴	Income of 20 largest enterprises ³	Relative contribution of 20 largest enterprises ⁴
	R million		%	R million	%	R million	%
Division 32 - Wood, wood products, paper, publishing and printing	161 498	45 037	27,9	63 970	39,6	79 435	49,2
Sawmilling and planing of wood	12 119	6 200	51,2	7 538	62,2	9 074	74,9
Manufacture of builders' carpentry and joinery	7 030	2 499	35,5	3 207	45,6	4 018	57,2
Manufacture of wooden containers	2 769	822	29,7	1 260	45,5	1 771	64,0
Manufacture of veneer sheets, plywood, other boards and other products of wood, articles of cork, straw and plaiting material	4 824	808	16,7	1 244	25,8	1 715	35,6
Manufacture of corrugated paper and paperboard and of containers of paper and paperboard	45 671	25 341	55,5	31 235	68,4	38 007	83,2
Manufacture of pulp, paper and paperboard and other articles of paper and paperboard	40 602	24 080	59,3	26 931	66,3	30 484	75,1
Publishing of books, brochures, musical books, newspapers, journals, periodicals and other publications	20 955	15 064	71,9	17 081	81,5	18 290	87,3
Publishing of recorded media and other publishing	245	180	73,5	234	95,5	245	100,0
Printing	24 607	10 796	43,9	13 914	56,5	15 837	64,4
Service activities related to printing and reproduction of recorded media	2 676	2 416	90,3	2 524	94,3	2 618	97,8
Division 33 - Coke, petroleum, chemical products, rubber and plastic	678 084	301 783	44,5	379 991	56,0	432 823	63,8
Manufacture of coke oven products	5 857	2 703	46,1	3 964	67,7	5 390	92,0
Manufacture of petrol, fuel oils and other petroleum products n.e.c.	296 774	272 168	91,7	282 609	95,2	290 219	97,8
Processing of nuclear fuels and manufacture of basic chemicals, except fertilisers and nitrogen compounds, plastic in primary form and synthetic rubber	110 409	85 012	77,0	91 205	82,6	98 363	89,1
Manufacture of fertilisers and nitrogen compounds; and plastics in primary forms and synthetic rubber	23 085	11 491	49,8	13 945	60,4	17 043	73,8
Manufacture of paints, varnishes and similar coatings, printing ink and mastics	21 142	7 065	33,4	9 805	46,4	13 409	63,4
Manufacture of pharmaceuticals, medicinal chemicals and botanical products	42 560	21 380	50,2	28 247	66,4	33 527	78,8
Manufacture of soap and detergents, perfumes and toilet preparations	51 460	30 285	58,9	35 607	69,2	40 046	77,8
Manufacture of pesticides and other agro-chemical products and other chemical products n.e.c.	42 292	29 913	70,7	34 267	81,0	38 121	90,1
Manufacture of rubber tyres and tubes and retreading of tyres	14 574	13 692	93,9	14 188	97,4	14 522	99,6

² Preliminary figures.

³ These figures reflect the income of the 5, 10 and 20 largest enterprises respectively for each row.

⁴ Relative contribution = income of the largest enterprises divided by total income, multiplied by 100.

Table 9 – Concentration ratios for total income in the manufacturing industry, 2021² (continued)

Type of manufacturer	Total income	Income of 5 largest enterprises ³	Relative contribution of 5 largest enterprises ⁴	Income of 10 largest enterprises ³	Relative contribution of 10 largest enterprises ⁴	Income of 20 largest enterprises ³	Relative contribution of 20 largest enterprises ⁴
	R million		%	R million		%	R million
Manufacture of man-made fibres and other rubber products	7 402	3 359	45,4	4 506	60,9	5 633	76,1
Manufacture of plastic products	62 529	8 182	13,1	12 963	20,7	19 279	30,8
Division 34 - Glass and other non-metallic mineral products	74 156	25 294	34,1	35 790	48,3	42 992	58,0
Manufacture of refractory ceramic products	3 802	1 816	47,8	2 288	60,2	2 717	71,5
Manufacture of structural non-refractory clay and ceramic products	8 529	5 501	64,5	6 370	74,7	7 364	86,3
Manufacture of cement, lime and plaster and articles of concrete, cement and plaster	44 837	21 692	48,4	26 779	59,7	31 522	70,3
Manufacture of glass and glass products, non-structural non-refractory ceramic ware, cutting and shaping of stones and other non-metallic mineral products n.e.c.	16 988	9 531	56,1	11 031	64,9	12 487	73,5
Division 35 - Metals, metal products, machinery and equipment	429 211	80 312	18,7	115 601	26,9	148 719	34,6
Manufacture of basic iron and steel	77 510	50 802	65,5	60 703	78,3	68 389	88,2
Manufacture of basic precious and non-ferrous metals	103 231	55 217	53,5	68 134	66,0	83 653	81,0
Manufacture of structural metal products	43 552	7 526	17,3	12 139	27,9	17 276	39,7
Treatment and coating of metals; general mechanical engineering	32 240	11 987	37,2	13 291	41,2	15 052	46,7
Manufacture of cutlery, hand tools and general hardware	4 276	2 361	55,2	2 775	64,9	3 209	75,0
Casting of iron, steel and non-ferrous metals; manufacture of tanks, reservoirs and similar containers of metal	35 294	4 758	13,5	7 698	21,8	11 716	33,2
Manufacture of engines and turbines, except aircraft, vehicle and motor cycle engines	2 191	1 546	70,6	1 770	80,8	1 928	88,0
Manufacture of pumps, compressors, taps and valves	19 439	4 473	23,0	6 202	31,9	7 815	40,2
Manufacture of ovens, furnaces and furnace burners	337	190	56,4	246	73,0	277	82,2
Manufacture of lifting and handling equipment	7 109	1 474	20,7	2 221	31,2	3 147	44,3
Manufacture of steam generators, household appliances and other general purpose machinery	28 014	10 153	36,2	12 663	45,2	15 435	55,1
Manufacture of agricultural and forestry machinery	5 843	2 259	38,7	2 831	48,5	3 400	58,2
Manufacture of machine tools	3 808	2 196	57,7	2 581	67,8	2 803	73,6

² Preliminary figures.³ These figures reflect the income of the 5, 10 and 20 largest enterprises respectively for each row.⁴ Relative contribution = income of the largest enterprises divided by total income, multiplied by 100.

Table 9 – Concentration ratios for total income in the manufacturing industry, 2021² (continued)

Type of manufacturer	Total income	Income of 5 largest enterprises ³	Relative contribution of 5 largest enterprises ⁴	Income of 10 largest enterprises ³	Relative contribution of 10 largest enterprises ⁴	Income of 20 largest enterprises ³	Relative contribution of 20 largest enterprises ⁴
	R million		%	R million	%	R million	%
Manufacture of machinery for mining, quarrying, construction and metallurgy	41 446	11 840	28,6	16 657	40,2	21 970	53,0
Manufacture of machinery for food, beverage and tobacco processing	3 161	1 792	56,7	2 093	66,2	2 548	80,6
Manufacture of machinery for textile and leather production, weapons and ammunition and other special purpose machinery	21 760	12 652	58,1	15 253	70,1	16 914	77,7
Division 36 - Electrical machinery and apparatus	68 724	23 214	33,8	31 540	45,9	39 058	56,8
Manufacture of electric motors, generators and transformers	26 021	17 838	68,6	20 126	77,3	22 023	84,6
Manufacture of electricity distribution and control apparatus	6 515	2 276	34,9	3 094	47,5	4 151	63,7
Manufacture of insulated wire and cable	11 972	7 774	64,9	9 927	82,9	11 293	94,3
Manufacture of accumulators, primary cells, batteries, electric lamps and lighting equipment	5 926	4 522	76,3	5 072	85,6	5 514	93,0
Manufacture of bearings, gears, gearing, driving elements and other electrical equipment	18 290	7 929	43,4	10 751	58,8	13 986	76,5
Division 37 - Telecommunication, medical and optical equipment and watches and clocks	25 747	8 403	32,6	11 750	45,6	15 662	60,8
Manufacture of electronic valves and tubes, television and radio transmitters and receivers, sound or video recording, line telephony apparatus and other electronic components	13 417	7 496	55,9	9 721	72,5	11 407	85,0
Manufacture of medical and surgical equipment and orthopaedic appliances	2 848	959	33,7	1 357	47,6	1 752	61,5
Manufacture of instruments and appliances for measuring, testing, navigating and industrial process control equipment	7 748	4 046	52,2	5 211	67,3	6 382	82,4
Manufacture of watches and clocks, optical instruments and photographic equipment	1 734	1 472	84,9	1 609	92,8	1 730	99,8
Division 38 - Transport equipment	449 108	249 452	55,5	294 237	65,5	335 446	74,7
Manufacture of bodies (coachwork) for motor vehicles, trailers and semi-trailers	14 703	8 149	55,4	9 687	65,9	11 130	75,7
Manufacture of parts for motor vehicles and their engines	108 196	34 759	32,1	48 836	45,1	66 589	61,5
Building and repairing of ships	1 354	895	66,1	1 113	82,2	1 251	92,4
Building and repairing of pleasure and sporting boats	3 006	2 646	88,0	2 879	95,8	2 974	98,9

² Preliminary figures.

³ These figures reflect the income of the 5, 10 and 20 largest enterprises respectively for each row.

⁴ Relative contribution = income of the largest enterprises divided by total income, multiplied by 100.

Table 9 – Concentration ratios for total income in the manufacturing industry, 2021² (concluded)

Type of manufacturer	Total income	Income of 5 largest enterprises ³	Relative contribution of 5 largest enterprises ⁴	Income of 10 largest enterprises ³	Relative contribution of 10 largest enterprises ⁴	Income of 20 largest enterprises ³	Relative contribution of 20 largest enterprises ⁴
	R million		%	R million	%	R million	%
Manufacture of aircraft	9 627	6 365	66,1	7 364	76,5	8 048	83,6
Manufacture of motor vehicles; railway and tramway locomotives and rolling stock; motor cycles; bicycles, invalid carriages and other transport equipment	312 222	249 452	79,9	283 172	90,7	300 012	96,1
Division 39 - Furniture, other manufacturing and recycling	91 691	27 738	30,3	37 778	41,2	49 234	53,7
Manufacture of furniture	18 136	5 730	31,6	6 932	38,2	8 446	46,6
Manufacture of jewellery and related articles	17 292	10 256	59,3	13 842	80,0	15 539	89,9
Manufacture of musical instruments, sports goods, games and toys	442	229	51,8	311	70,4	385	87,1
Manufacture of tobacco products and other manufacturing n.e.c.	35 502	19 594	55,2	22 184	62,5	24 683	69,5
Recycling of waste and scrap n.e.c.	20 319	12 421	61,1	14 803	72,9	16 892	83,1
Total	2 631 645	317 335	12,1	552 581	21,0	812 713	30,9

² Preliminary figures.

³ These figures reflect the income of the 5, 10 and 20 largest enterprises respectively for each row.

⁴ Relative contribution = income of the largest enterprises divided by total income, multiplied by 100.

Table 10 – Expenditure in the manufacturing industry, 2017 and 2021

Type of manufacturer	Purchases			Salaries and wages paid			Other expenditure			Total expenditure		
	2017 ¹	2021 ²	Annualised % change	2017 ¹	2021 ²	Annualised % change	2017 ¹	2021 ²	Annualised % change	2017 ¹	2021 ²	Annualised % change
	R million			R million			R million			R million		
Division 30 - Food products and beverages	325 378	379 540	3,9	46 803	48 375	0,8	93 241	155 048	13,6	465 422	582 963	5,8
Division 31 - Textiles, clothing, leather and footwear	47 266	36 748	-6,1	8 942	9 835	2,4	1 522	10 909	63,6	57 730	57 492	-0,1
Division 32 - Wood, wood products, paper, publishing and printing	99 281	90 733	-2,2	25 676	24 649	-1,0	24 052	40 702	14,1	149 009	156 084	1,2
Division 33 - Coke, petroleum, chemical products, rubber and plastic	459 688	457 781	-0,1	49 746	53 671	1,9	106 975	153 123	9,4	616 409	664 575	1,9
Division 34 - Glass and other non-metallic mineral products	52 122	34 825	-9,6	10 734	11 002	0,6	11 423	24 797	21,4	74 279	70 624	-1,3
Division 35 - Metals, metal products, machinery and equipment	285 240	257 215	-2,6	62 092	61 047	-0,4	55 821	96 829	14,8	403 153	415 091	0,7
Division 36 - Electrical machinery and apparatus	42 099	43 972	1,1	10 720	11 593	2,0	4 195	12 166	30,5	57 014	67 731	4,4
Division 37 - Telecommunication, medical and optical equipment and watches and clocks	21 761	16 096	-7,3	4 801	4 236	-3,1	4 446	4 928	2,6	31 008	25 260	-5,0
Division 38 - Transport equipment	356 420	328 638	-2,0	31 134	36 943	4,4	51 086	69 617	8,0	438 640	435 198	-0,2
Division 39 - Furniture, other manufacturing and recycling	62 682	56 785	-2,4	9 510	9 870	0,9	16 623	24 691	10,4	88 815	91 346	0,7
Total	1 751 937	1 702 333	-0,7	260 158	271 221	1,0	369 384	592 810	12,6	2 381 479	2 566 364	1,9

¹ Revised figures.² Preliminary figures.

Table 11 – Expenditure in the manufacturing industry, 2021²

Type of manufacturer	Purchases	Salaries and wages paid	Other expenditure	Total expenditure
	R million			
Division 30 - Food products and beverages	379 540	48 375	155 048	582 963
Production, processing and preserving of meat and meat products	51 838	4 449	6 667	62 954
Processing and preserving of fruit and vegetables	25 652	3 389	8 021	37 062
Manufacture of vegetable and animal oils and fats	41 613	922	3 502	46 037
Manufacture of dairy products	33 839	5 243	10 261	49 343
Manufacture of grain mill products, starches and starch products	35 882	3 413	6 985	46 280
Manufacture of prepared animal feeds	23 940	1 545	4 172	29 657
Manufacture of bakery products	33 750	5 795	13 245	52 790
Manufacture of sugar, cocoa, chocolate and sugar confectionery	32 074	3 946	11 281	47 301
Manufacture of macaroni, noodles, couscous and similar farinaceous and other food products n.e.c.	44 101	9 691	20 846	74 638
Manufacture of alcoholic and non-alcoholic beverages	56 851	9 982	70 068	136 901
Division 31 - Textiles, clothing, leather and footwear	36 748	9 835	10 909	57 492
Preparation and spinning of textile fibres and weaving and finishing of textiles	5 946	991	1 486	8 423
Manufacture of made-up textile articles, except apparel	4 048	1 416	1 902	7 366
Manufacture of carpets, rugs and mats	668	288	359	1 315
Manufacture of cordage, rope, twine and netting	461	95	251	807
Manufacture of other textiles	3 738	977	1 298	6 013
Manufacture of knitted and crocheted fabrics and articles	1 342	494	522	2 358
Manufacture of wearing apparel, except fur apparel	15 845	4 187	3 770	23 802
Dressing and dyeing of fur, manufacture of articles of fur, tanning and dressing of leather	2 352	429	392	3 173
Manufacture of luggage, handbags and the like, saddlery and harness	228	87	88	403
Manufacture of footwear	2 120	871	841	3 832

² Preliminary figures.

Table 11 – Expenditure in the manufacturing industry, 2021² (continued)

Type of manufacturer	Purchases	Salaries and wages paid	Other expenditure	Total expenditure
	R million			
Division 32 - Wood, wood products, paper, publishing and printing	90 733	24 649	40 702	156 084
Sawmilling and planing of wood	6 096	1 727	3 539	11 362
Manufacture of builders' carpentry and joinery	4 222	1 038	1 593	6 853
Manufacture of wooden containers	1 726	380	545	2 651
Manufacture of veneer sheets, plywood, other boards and other products of wood, articles of cork, straw and plaiting material	2 768	998	970	4 736
Manufacture of corrugated paper and paperboard and of containers of paper and paperboard	28 274	5 581	10 860	44 715
Manufacture of pulp, paper and paperboard and other articles of paper and paperboard	23 559	4 824	11 216	39 599
Publishing of books, brochures, musical books, newspapers, journals, periodicals and other publications	7 627	5 538	6 544	19 709
Publishing of recorded media and other publishing	74	59	118	251
Printing	14 335	4 244	5 045	23 624
Service activities related to printing and reproduction of recorded media	2 052	260	272	2 584
Division 33 - Coke, petroleum, chemical products, rubber and plastic	457 781	53 671	153 123	664 575
Manufacture of coke oven products	2 901	681	1 489	5 071
Manufacture of petrol, fuel oils and other petroleum products n.e.c.	242 009	6 662	62 162	310 833
Processing of nuclear fuels and manufacture of basic chemicals, except fertilisers and nitrogen compounds, plastic in primary form and synthetic rubber	64 159	10 071	25 744	99 974
Manufacture of fertilisers and nitrogen compounds; and plastics in primary forms and synthetic rubber	16 601	2 115	3 800	22 516
Manufacture of paints, varnishes and similar coatings, printing ink and mastics	12 276	3 466	4 777	20 519
Manufacture of pharmaceuticals, medicinal chemicals and botanical products	21 765	6 760	11 104	39 629
Manufacture of soap and detergents, perfumes and toilet preparations	24 289	6 119	15 844	46 252
Manufacture of pesticides and other agro-chemical products and other chemical products n.e.c.	24 050	4 820	9 751	38 621
Manufacture of rubber tyres and tubes and retreading of tyres	8 686	2 555	3 698	14 939
Manufacture of man-made fibres and other rubber products	4 870	1 024	1 265	7 159
Manufacture of plastic products	36 175	9 398	13 489	59 062

² Preliminary figures.

Table 11 – Expenditure in the manufacturing industry, 2021² (continued)

Type of manufacturer	Purchases	Salaries and wages paid	Other expenditure	Total expenditure
	R million			
Division 34 - Glass and other non-metallic mineral products	34 825	11 002	24 797	70 624
Manufacture of refractory ceramic products	2 160	519	784	3 463
Manufacture of structural non-refractory clay and ceramic products	3 935	1 435	2 183	7 553
Manufacture of cement, lime and plaster and articles of concrete, cement and plaster	20 692	5 914	15 833	42 439
Manufacture of glass and glass products, non-structural non-refractory ceramic ware, cutting and shaping of stones and other non-metallic mineral products n.e.c.	8 038	3 134	5 997	17 169
Division 35 - Metals, metal products, machinery and equipment	257 215	61 047	96 829	415 091
Manufacture of basic iron and steel	50 064	8 241	21 177	79 482
Manufacture of basic precious and non-ferrous metals	69 691	5 764	22 381	97 836
Manufacture of structural metal products	26 578	7 398	8 938	42 914
Treatment and coating of metals; general mechanical engineering	18 768	6 064	6 110	30 942
Manufacture of cutlery, hand tools and general hardware	2 134	955	776	3 865
Casting of iron, steel and non-ferrous metals; manufacture of tanks, reservoirs and similar containers of metal	22 105	5 536	6 394	34 035
Manufacture of engines and turbines, except aircraft, vehicle and motor cycle engines	1 269	402	311	1 982
Manufacture of pumps, compressors, taps and valves	8 421	5 164	4 454	18 039
Manufacture of ovens, furnaces and furnace burners	144	121	61	326
Manufacture of lifting and handling equipment	3 410	1 879	1 326	6 615
Manufacture of steam generators, household appliances and other general purpose machinery	16 685	5 067	5 963	27 715
Manufacture of agricultural and forestry machinery	3 450	1 045	1 339	5 834
Manufacture of machine tools	2 178	743	730	3 651
Manufacture of machinery for mining, quarrying, construction and metallurgy	23 050	7 504	7 694	38 248
Manufacture of machinery for food, beverage and tobacco processing	1 799	558	581	2 938
Manufacture of machinery for textile and leather production, weapons and ammunition and other special purpose machinery	7 469	4 606	8 594	20 669
Division 36 - Electrical machinery and apparatus	43 972	11 593	12 166	67 731
Manufacture of electric motors, generators and transformers	17 976	4 050	4 553	26 579
Manufacture of electricity distribution and control apparatus	3 903	1 245	1 165	6 313

² Preliminary figures.

Table 11 – Expenditure in the manufacturing industry, 2021² (concluded)

Type of manufacturer	Purchases	Salaries and wages paid	Other expenditure	Total expenditure
	R million			
Manufacture of insulated wire and cable	8 901	1 502	1 766	12 169
Manufacture of accumulators, primary cells, batteries, electric lamps and lighting equipment	2 992	1 358	1 325	5 675
Manufacture of bearings, gears, gearing, driving elements and other electrical equipment	10 200	3 438	3 357	16 995
Division 37 - Telecommunication, medical and optical equipment and watches and clocks	16 096	4 236	4 928	25 260
Manufacture of electronic valves and tubes, television and radio transmitters and receivers, sound or video recording, line telephony apparatus and other electronic components	10 647	1 208	1 850	13 705
Manufacture of medical and surgical equipment and orthopaedic appliances	1 221	661	737	2 619
Manufacture of instruments and appliances for measuring, testing, navigating and industrial process control equipment	3 405	1 872	1 937	7 214
Manufacture of watches and clocks, optical instruments and photographic equipment	823	495	404	1 722
Division 38 - Transport equipment	328 638	36 943	69 617	435 198
Manufacture of bodies (coachwork) for motor vehicles, trailers and semi-trailers	9 530	2 200	2 538	14 268
Manufacture of parts for motor vehicles and their engines	78 732	10 827	14 848	104 407
Building and repairing of ships	1 399	187	230	1 816
Building and repairing of pleasure and sporting boats	1 662	666	522	2 850
Manufacture of aircraft	4 798	2 982	2 783	10 563
Manufacture of motor vehicles; railway and tramway locomotives and rolling stock; motor cycles; bicycles, invalid carriages and other transport equipment	232 517	20 081	48 696	301 294
Division 39 - Furniture, other manufacturing and recycling	56 785	9 870	24 691	91 346
Manufacture of furniture	11 952	3 624	4 062	19 638
Manufacture of jewellery and related articles	15 196	749	937	16 882
Manufacture of musical instruments, sports goods, games and toys	168	141	104	413
Manufacture of tobacco products and other manufacturing n.e.c.	13 982	3 823	16 865	34 670
Recycling of waste and scrap n.e.c.	15 487	1 533	2 723	19 743
Total	1 702 333	271 221	592 810	2 566 364

² Preliminary figures.

Table 12 – Purchases in the manufacturing industry, 2017 and 2021

Type of manufacturer	Raw materials			Finished goods for resale			Other purchases			Total purchases		
	2017 ¹	2021 ²	Annualised % change	2017 ¹	2021 ²	Annualised % change	2017 ¹	2021 ²	Annualised% change	2017 ¹	2021 ²	Annualised % change
	R million			R million			R million			R million		
Division 30 - Food products and beverages	256 433	326 677	6,2	16 892	18 304	2,0	52 053	34 559	-9,7	325 378	379 540	3,9
Division 31 - Textiles, clothing, leather and footwear	31 298	29 844	-1,2	6 966	6 189	-2,9	9 002	715	-46,9	47 266	36 748	-6,1
Division 32 - Wood, wood products, paper, publishing and printing	75 884	79 740	1,2	6 338	6 946	2,3	17 059	4 047	-30,2	99 281	90 733	-2,2
Division 33 - Coke, petroleum, chemical products, rubber and plastic	353 874	318 872	-2,6	52 500	120 350	23,0	53 314	18 559	-23,2	459 688	457 781	-0,1
Division 34 - Glass and other non-metallic mineral products	30 507	26 870	-3,1	1 348	1 823	7,8	20 267	6 132	-25,8	52 122	34 825	-9,6
Division 35 - Metals, metal products, machinery and equipment	225 894	228 493	0,3	11 589	12 918	2,8	47 757	15 804	-24,2	285 240	257 215	-2,6
Division 36 - Electrical machinery and apparatus	32 663	36 153	2,6	4 864	6 658	8,2	4 572	1 161	-29,0	42 099	43 972	1,1
Division 37 - Telecommunication, medical and optical equipment and watches and clocks	18 575	15 450	-4,5	759	544	-8,0	2 427	102	-54,7	21 761	16 096	-7,3
Division 38 - Transport equipment	272 849	296 297	2,1	64 794	29 771	-17,7	18 777	2 570	-39,2	356 420	328 638	-2,0
Division 39 - Furniture, other manufacturing and recycling	50 130	51 053	0,5	2 192	4 611	20,4	10 360	1 121	-42,6	62 682	56 785	-2,4
Total	1 348 107	1 409 449	1,1	168 242	208 114	5,5	235 588	84 770	-22,5	1 751 937	1 702 333	-0,7

¹ Revised figures.² Preliminary figures.

Table 13 – Purchases in the manufacturing industry, 2021²

Type of manufacturer	Raw materials	Finished goods for resale	Other purchases	Total purchases
	R million			
Division 30 - Food products and beverages	326 677	18 304	34 559	379 540
Production, processing and preserving of meat and meat products	49 088	1 608	1 142	51 838
Processing and preserving of fruit and vegetables	19 645	2 901	3 106	25 652
Manufacture of vegetable and animal oils and fats	37 461	2 026	2 126	41 613
Manufacture of dairy products	24 384	2 438	7 017	33 839
Manufacture of grain mill products, starches and starch products	32 934	1 341	1 607	35 882
Manufacture of prepared animal feeds	23 047	456	437	23 940
Manufacture of bakery products	29 962	251	3 537	33 750
Manufacture of sugar, cocoa, chocolate and sugar confectionery	26 524	1 499	4 051	32 074
Manufacture of macaroni, noodles, couscous and similar farinaceous and other food products n.e.c.	37 046	2 474	4 581	44 101
Manufacture of alcoholic and non-alcoholic beverages	46 586	3 310	6 955	56 851
Division 31 - Textiles, clothing, leather and footwear	29 844	6 189	715	36 748
Preparation and spinning of textile fibres and weaving and finishing of textiles	5 250	544	152	5 946
Manufacture of made-up textile articles, except apparel	3 678	305	65	4 048
Manufacture of carpets, rugs and mats	622	0	46	668
Manufacture of cordage, rope, twine and netting	414	33	14	461
Manufacture of other textiles	3 271	365	102	3 738
Manufacture of knitted and crocheted fabrics and articles	1 282	39	21	1 342
Manufacture of wearing apparel, except fur apparel	10 844	4 793	208	15 845
Dressing and dyeing of fur, manufacture of articles of fur, tanning and dressing of leather	2 264	9	79	2 352
Manufacture of luggage, handbags and the like, saddlery and harness	226	0	2	228
Manufacture of footwear	1 993	101	26	2 120

² Preliminary figures.

Table 13 – Purchases in the manufacturing industry, 2021² (continued)

Type of manufacturer	Raw materials	Finished goods for resale	Other purchases	Total purchases
	R million			
Division 32 - Wood, wood products, paper, publishing and printing	79 740	6 946	4 047	90 733
Sawmilling and planing of wood	5 456	120	520	6 096
Manufacture of builders' carpentry and joinery	3 809	181	232	4 222
Manufacture of wooden containers	1 595	99	32	1 726
Manufacture of veneer sheets, plywood, other boards and other products of wood, articles of cork, straw and plaiting material	2 668	51	49	2 768
Manufacture of corrugated paper and paperboard and of containers of paper and paperboard	24 885	2 268	1 121	28 274
Manufacture of pulp, paper and paperboard and other articles of paper and paperboard	20 635	1 138	1 786	23 559
Publishing of books, brochures, musical books, newspapers, journals, periodicals and other publications	4 926	2 548	153	7 627
Publishing of recorded media and other publishing	70	3	1	74
Printing	13 674	512	149	14 335
Service activities related to printing and reproduction of recorded media	2 022	26	4	2 052
Division 33 - Coke, petroleum, chemical products, rubber and plastic	318 872	120 350	18 559	457 781
Manufacture of coke oven products	2 782	46	73	2 901
Manufacture of petrol, fuel oils and other petroleum products n.e.c.	142 214	99 145	650	242 009
Processing of nuclear fuels and manufacture of basic chemicals, except fertilisers and nitrogen compounds, plastic in primary form and synthetic rubber	46 629	8 265	9 265	64 159
Manufacture of fertilisers and nitrogen compounds; and plastics in primary forms and synthetic rubber	16 323	28	250	16 601
Manufacture of paints, varnishes and similar coatings, printing ink and mastics	10 960	521	795	12 276
Manufacture of pharmaceuticals, medicinal chemicals and botanical products	18 514	2 546	705	21 765
Manufacture of soap and detergents, perfumes and toilet preparations	18 802	1 629	3 858	24 289
Manufacture of pesticides and other agro-chemical products and other chemical products n.e.c.	20 076	2 106	1 868	24 050
Manufacture of rubber tyres and tubes and retreading of tyres	3 807	4 575	304	8 686
Manufacture of man-made fibres and other rubber products	4 694	61	115	4 870
Manufacture of plastic products	34 071	1 428	676	36 175

² Preliminary figures.

Table 13 – Purchases in the manufacturing industry, 2021² (continued)

Type of manufacturer	Raw materials	Finished goods for resale	Other purchases	Total purchases
	R million			
Division 34 - Glass and other non-metallic mineral products	26 870	1 823	6 132	34 825
Manufacture of refractory ceramic products	1 908	112	140	2 160
Manufacture of structural non-refractory clay and ceramic products	2 398	674	863	3 935
Manufacture of cement, lime and plaster and articles of concrete, cement and plaster	15 935	789	3 968	20 692
Manufacture of glass and glass products, non-structural non-refractory ceramic ware, cutting and shaping of stones and other non-metallic mineral products n.e.c.	6 629	248	1 161	8 038
Division 35 - Metals, metal products, machinery and equipment	228 493	12 918	15 804	257 215
Manufacture of basic iron and steel	38 835	793	10 436	50 064
Manufacture of basic precious and non-ferrous metals	65 776	1 838	2 077	69 691
Manufacture of structural metal products	25 350	844	384	26 578
Treatment and coating of metals; general mechanical engineering	18 014	433	321	18 768
Manufacture of cutlery, hand tools and general hardware	1 989	60	85	2 134
Casting of iron, steel and non-ferrous metals; manufacture of tanks, reservoirs and similar containers of metal	19 636	1 697	772	22 105
Manufacture of engines and turbines, except aircraft, vehicle and motor cycle engines	1 041	151	77	1 269
Manufacture of pumps, compressors, taps and valves	7 369	819	233	8 421
Manufacture of ovens, furnaces and furnace burners	138	1	5	144
Manufacture of lifting and handling equipment	3 173	202	35	3 410
Manufacture of steam generators, household appliances and other general purpose machinery	13 521	2 847	317	16 685
Manufacture of agricultural and forestry machinery	3 119	228	103	3 450
Manufacture of machine tools	2 068	65	45	2 178
Manufacture of machinery for mining, quarrying, construction and metallurgy	19 639	2 724	687	23 050
Manufacture of machinery for food, beverage and tobacco processing	1 732	48	19	1 799
Manufacture of machinery for textile and leather production, weapons and ammunition and other special purpose machinery	7 093	168	208	7 469
Division 36 - Electrical machinery and apparatus	36 153	6 658	1 161	43 972
Manufacture of electric motors, generators and transformers	13 030	4 579	367	17 976
Manufacture of electricity distribution and control apparatus	3 643	192	68	3 903

² Preliminary figures.

Table 13 – Purchases in the manufacturing industry, 2021² (concluded)

Type of manufacturer	Raw materials	Finished goods for resale	Other purchases	Total purchases
	R million			
Manufacture of insulated wire and cable	8 613	125	163	8 901
Manufacture of accumulators, primary cells, batteries, electric lamps and lighting equipment	2 443	447	102	2 992
Manufacture of bearings, gears, gearing, driving elements and other electrical equipment	8 424	1 315	461	10 200
Division 37 - Telecommunication, medical and optical equipment and watches and clocks	15 450	544	102	16 096
Manufacture of electronic valves and tubes, television and radio transmitters and receivers, sound or video recording, line telephony apparatus and other electronic components	10 618	1	28	10 647
Manufacture of medical and surgical equipment and orthopaedic appliances	1 189	16	16	1 221
Manufacture of instruments and appliances for measuring, testing, navigating and industrial process control equipment	2 878	512	15	3 405
Manufacture of watches and clocks, optical instruments and photographic equipment	765	15	43	823
Division 38 - Transport equipment	296 297	29 771	2 570	328 638
Manufacture of bodies (coachwork) for motor vehicles, trailers and semi-trailers	8 831	539	160	9 530
Manufacture of parts for motor vehicles and their engines	74 105	4 141	486	78 732
Building and repairing of ships	1 380	18	1	1 399
Building and repairing of pleasure and sporting boats	1 312	345	5	1 662
Manufacture of aircraft	4 478	176	144	4 798
Manufacture of motor vehicles; railway and tramway locomotives and rolling stock; motor cycles; bicycles, invalid carriages and other transport equipment	206 191	24 552	1 774	232 517
Division 39 - Furniture, other manufacturing and recycling	51 053	4 611	1 121	56 785
Manufacture of furniture	7 647	3 962	343	11 952
Manufacture of jewellery and related articles	15 008	149	39	15 196
Manufacture of musical instruments, sports goods, games and toys	109	56	3	168
Manufacture of tobacco products and other manufacturing n.e.c.	13 161	312	509	13 982
Recycling of waste and scrap n.e.c.	15 128	132	227	15 487
Total	1 409 449	208 114	84 770	1 702 333

² Preliminary figures.

Table 14 – Details of capital expenditure on new assets in the manufacturing industry, 2017 and 2021

Type of manufacturer	Land, buildings and construction			Plant, machinery and equipment			Computers and network equipment		
	2017 ¹	2021 ²	Annualised % change	2017 ¹	2021 ²	Annualised % change	2017 ¹	2021 ²	Annualised % change
	R million			R million			R million		
Division 30 - Food products and beverages	2 531	2 073	-4,9	8 816	12 286	8,7	607	992	13,1
Division 31 - Textiles, clothing, leather and footwear	142	130	-2,2	988	550	-13,6	229	51	-31,3
Division 32 - Wood, wood products, paper, publishing and printing	652	687	1,3	5 311	6 573	5,5	405	194	-16,8
Division 33 - Coke, petroleum, chemical products, rubber and plastic	4 450	1 736	-21,0	25 063	17 047	-9,2	459	268	-12,6
Division 34 - Glass and other non-metallic mineral products	413	292	-8,3	3 055	2 444	-5,4	72	26	-22,5
Division 35 - Metals, metal products, machinery and equipment	929	500	-14,3	4 519	6 518	9,6	342	291	-4,0
Division 36 - Electrical machinery and apparatus	179	69	-21,2	833	358	-19,0	100	70	-8,5
Division 37 - Telecommunication, medical and optical equipment and watches and clocks	55	8	-38,2	304	195	-10,5	493	30	-50,3
Division 38 - Transport equipment	2 054	2 721	7,3	4 929	9 113	16,6	156	922	55,9
Division 39 - Furniture, other manufacturing and recycling	92	25	-27,8	968	2 873	31,3	83	1 396	102,5
Total	11 497	8 241	-8,0	54 786	57 957	1,4	2 946	4 240	9,5

¹ Revised figures.² Preliminary figures.

Table 14 – Details of capital expenditure on new assets in the manufacturing industry, 2017 and 2021 (concluded)

Type of manufacturer	Motor vehicles			Capital expenditure on other assets			Total capital expenditure on new assets		
	2017 ¹	2021 ²	Annualised % change	2017 ¹	2021 ²	Annualised % change	2017 ¹	2021 ²	Annualised % change
	R million			R million			R million		
Division 30 - Food products and beverages	904	1 233	8,1	4 650	8 945	17,8	17 508	25 529	9,9
Division 31 - Textiles, clothing, leather and footwear	110	85	-6,2	86	250	30,6	1 555	1 066	-9,0
Division 32 - Wood, wood products, paper, publishing and printing	351	293	-4,4	2 121	1 930	-2,3	8 840	9 677	2,3
Division 33 - Coke, petroleum, chemical products, rubber and plastic	1 068	1 554	9,8	8 676	8 468	-0,6	39 716	29 073	-7,5
Division 34 - Glass and other non-metallic mineral products	382	238	-11,2	829	488	-12,4	4 751	3 488	-7,4
Division 35 - Metals, metal products, machinery and equipment	969	1 234	6,2	1 466	1 581	1,9	8 225	10 124	5,3
Division 36 - Electrical machinery and apparatus	132	122	-2,0	146	237	12,9	1 390	856	-11,4
Division 37 - Telecommunication, medical and optical equipment and watches and clocks	91	24	-28,3	109	95	-3,4	1 052	352	-23,9
Division 38 - Transport equipment	358	210	-12,5	4 141	8 602	20,1	11 638	21 568	16,7
Division 39 - Furniture, other manufacturing and recycling	148	175	4,3	1 009	218	-31,8	2 300	4 687	19,5
Total	4 513	5 168	3,4	23 233	30 814	7,3	96 975	106 420	2,4

¹ Revised figures.² Preliminary figures.

Table 15 – Details of capital expenditure on new assets in the manufacturing industry, 2021²

Type of manufacturer	Land, buildings and construction	Plant, machinery and equipment	Computers and network equipment	Motor vehicles	Capital expenditure on other assets	Total capital expenditure on new assets
	R million					
Division 30 - Food products and beverages	2 073	12 286	992	1 233	8 945	25 529
Production, processing and preserving of meat and meat products	188	429	25	147	65	854
Processing and preserving of fruit and vegetables	115	432	12	42	795	1 396
Manufacture of vegetable and animal oils and fats	39	462	11	24	686	1 222
Manufacture of dairy products	161	880	15	71	490	1 617
Manufacture of grain mill products, starches and starch products	62	384	10	146	454	1 056
Manufacture of prepared animal feeds	35	242	15	36	112	440
Manufacture of bakery products	342	1 636	25	103	270	2 376
Manufacture of sugar, cocoa, chocolate and sugar confectionery	195	1 293	59	18	3 148	4 713
Manufacture of macaroni, noodles, couscous and similar farinaceous and other food products n.e.c.	334	1 619	339	85	748	3 125
Manufacture of alcoholic and non-alcoholic beverages	602	4 909	481	561	2 177	8 730
Division 31 - Textiles, clothing, leather and footwear	130	550	51	85	250	1 066
Preparation and spinning of textile fibres and weaving and finishing of textiles	43	72	12	16	21	164
Manufacture of made-up textile articles, except apparel	4	48	6	25	17	100
Manufacture of carpets, rugs and mats	0	3	1	1	26	31
Manufacture of cordage, rope, twine and netting	0	27	1	1	1	30
Manufacture of other textiles	18	136	3	11	28	196
Manufacture of knitted and crocheted fabrics and articles	0	32	1	2	1	36
Manufacture of wearing apparel, except fur apparel	50	158	23	17	7	255
Dressing and dyeing of fur, manufacture of articles of fur, tanning and dressing of leather	0	32	1	2	147	182
Manufacture of luggage, handbags and the like, saddlery and harness	6	1	0	1	0	8
Manufacture of footwear	9	41	3	9	2	64

² Preliminary figures.

Table 15 – Details of capital expenditure on new assets in the manufacturing industry, 2021² (continued)

Type of manufacturer	Land, buildings and construction	Plant, machinery and equipment	Computers and network equipment	Motor vehicles	Capital expenditure on other assets	Total capital expenditure on new assets
	R million					
Division 32 - Wood, wood products, paper, publishing and printing	687	6 573	194	293	1 930	9 677
Sawmilling and planing of wood	27	1 166	13	39	677	1 922
Manufacture of builders' carpentry and joinery	27	193	5	27	144	396
Manufacture of wooden containers	5	16	10	18	4	53
Manufacture of veneer sheets, plywood, other boards and other products of wood, articles of cork, straw and plaiting material	0	36	4	15	5	60
Manufacture of corrugated paper and paperboard and of containers of paper and paperboard	86	604	43	103	197	1 033
Manufacture of pulp, paper and paperboard and other articles of paper and paperboard	228	3 185	20	63	256	3 752
Publishing of books, brochures, musical books, newspapers, journals, periodicals and other publications	133	235	42	10	56	476
Publishing of recorded media and other publishing	2	2	0	0	1	5
Printing	179	1 118	55	13	589	1 954
Service activities related to printing and reproduction of recorded media	0	18	2	5	1	26
Division 33 - Coke, petroleum, chemical products, rubber and plastic	1 736	17 047	268	1 554	8 468	29 073
Manufacture of coke oven products	0	32	6	12	11	61
Manufacture of petrol, fuel oils and other petroleum products n.e.c.	805	7 924	43	326	4 397	13 495
Processing of nuclear fuels and manufacture of basic chemicals, except fertilisers and nitrogen compounds, plastic in primary form and synthetic rubber	137	4 900	16	174	1 304	6 531
Manufacture of fertilisers and nitrogen compounds; and plastics in primary forms and synthetic rubber	6	133	11	40	117	307
Manufacture of paints, varnishes and similar coatings, printing ink and mastics	27	189	20	39	260	535
Manufacture of pharmaceuticals, medicinal chemicals and botanical products	161	569	60	11	1 590	2 391
Manufacture of soap and detergents, perfumes and toilet preparations	363	718	32	307	61	1 481

² Preliminary figures.

Table 15 – Details of capital expenditure on new assets in the manufacturing industry, 2021² (continued)

Type of manufacturer	Land, buildings and construction	Plant, machinery and equipment	Computers and network equipment	Motor vehicles	Capital expenditure on other assets	Total capital expenditure on new assets
	R million					
Manufacture of pesticides and other agro-chemical products and other chemical products n.e.c.	99	404	18	48	274	843
Manufacture of rubber tyres and tubes and retreading of tyres	9	345	19	3	24	400
Manufacture of man-made fibres and other rubber products	10	309	3	14	87	423
Manufacture of plastic products	119	1 524	40	580	343	2 606
Division 34 - Glass and other non-metallic mineral products	292	2 444	26	238	488	3 488
Manufacture of refractory ceramic products	26	41	2	41	30	140
Manufacture of structural non-refractory clay and ceramic products	4	70	5	11	3	93
Manufacture of cement, lime and plaster and articles of concrete, cement and plaster	26	684	12	156	195	1 073
Manufacture of glass and glass products, non-structural non-refractory ceramic ware, cutting and shaping of stones and other non-metallic mineral products n.e.c.	236	1 649	7	30	260	2 182
Division 35 - Metals, metal products, machinery and equipment	500	6 518	291	1 234	1 581	10 124
Manufacture of basic iron and steel	23	518	8	53	351	953
Manufacture of basic precious and non-ferrous metals	107	769	50	107	492	1 525
Manufacture of structural metal products	49	2 603	44	170	371	3 237
Treatment and coating of metals; general mechanical engineering	5	1 095	27	147	29	1 303
Manufacture of cutlery, hand tools and general hardware	2	56	4	18	2	82
Casting of iron, steel and non-ferrous metals; manufacture of tanks, reservoirs and similar containers of metal	27	399	18	72	100	616
Manufacture of engines and turbines, except aircraft, vehicle and motor cycle engines	27	22	5	9	12	75
Manufacture of pumps, compressors, taps and valves	107	201	35	84	24	451
Manufacture of ovens, furnaces and furnace burners	0	0	0	0	0	0
Manufacture of lifting and handling equipment	45	86	8	78	3	220

² Preliminary figures.

Table 15 – Details of capital expenditure on new assets in the manufacturing industry, 2021² (continued)

Type of manufacturer	Land, buildings and construction	Plant, machinery and equipment	Computers and network equipment	Motor vehicles	Capital expenditure on other assets	Total capital expenditure on new assets
	R million					
Manufacture of steam generators, household appliances and other general purpose machinery	22	232	39	350	18	661
Manufacture of agricultural and forestry machinery	3	49	3	13	48	116
Manufacture of machine tools	6	40	3	2	30	81
Manufacture of machinery for mining, quarrying, construction and metallurgy	14	211	26	82	62	395
Manufacture of machinery for food, beverage and tobacco processing	20	11	6	13	9	59
Manufacture of machinery for textile and leather production, weapons and ammunition and other special purpose machinery	43	226	15	36	30	350
Division 36 - Electrical machinery and apparatus	69	358	70	122	237	856
Manufacture of electric motors, generators and transformers	17	83	15	37	4	156
Manufacture of electricity distribution and control apparatus	3	31	4	22	32	92
Manufacture of insulated wire and cable	10	78	8	9	117	222
Manufacture of accumulators, primary cells, batteries, electric lamps and lighting equipment	3	67	12	14	4	100
Manufacture of bearings, gears, gearing, driving elements and other electrical equipment	36	99	31	40	80	286
Division 37 - Telecommunication, medical and optical equipment and watches and clocks	8	195	30	24	95	352
Manufacture of electronic valves and tubes, television and radio transmitters and receivers, sound or video recording, line telephony apparatus and other electronic components	2	96	11	11	21	141
Manufacture of medical and surgical equipment and orthopaedic appliances	1	31	5	5	4	46
Manufacture of instruments and appliances for measuring, testing, navigating and industrial process control equipment	5	43	13	4	69	134
Manufacture of watches and clocks, optical instruments and photographic equipment	0	25	1	4	1	31

² Preliminary figures.

Table 15 – Details of capital expenditure on new assets in the manufacturing industry, 2021² (concluded)

Type of manufacturer	Land, buildings and construction	Plant, machinery and equipment	Computers and network equipment	Motor vehicles	Capital expenditure on other assets	Total capital expenditure on new assets
	R million					
Division 38 - Transport equipment	2 721	9 113	922	210	8 602	21 568
Manufacture of bodies (coachwork) for motor vehicles, trailers and semi-trailers	46	486	4	44	56	636
Manufacture of parts for motor vehicles and their engines	222	1 376	47	27	1 305	2 977
Building and repairing of ships	19	11	0	3	3	36
Building and repairing of pleasure and sporting boats	2	10	4	0	33	49
Manufacture of aircraft	25	417	5	10	66	523
Manufacture of motor vehicles; railway and tramway locomotives and rolling stock; motor cycles; bicycles, invalid carriages and other transport equipment	2 407	6 813	862	126	7 139	17 347
Division 39 - Furniture, other manufacturing and recycling	25	2 873	1 396	175	218	4 687
Manufacture of furniture	4	76	13	48	32	173
Manufacture of jewellery and related articles	1	217	4	8	22	252
Manufacture of musical instruments, sports goods, games and toys	0	13	4	4	0	21
Manufacture of tobacco products and other manufacturing n.e.c.	7	2 072	1 370	47	144	3 640
Recycling of waste and scrap n.e.c.	13	495	5	68	20	601
Total	8 241	57 957	4 240	5 168	30 814	106 420

² Preliminary figures.

Table 16 – Employment in the manufacturing industry as at the end of June, 2017 and 2021

Type of manufacturer	Male			Female			Total employees		
	2017 ¹	2021 ²	Annualised % change	2017 ¹	2021 ²	Annualised % change	2017 ¹	2021 ²	Annualised % change
	Number			Number			Number		
Division 30 - Food products and beverages	146 028	151 784	1,0	83 682	97 146	3,8	229 710	248 930	2,0
Division 31 - Textiles, clothing, leather and footwear	35 294	26 324	-7,1	53 326	47 911	-2,6	88 620	74 235	-4,3
Division 32 - Wood, wood products, paper, publishing and printing	86 014	66 635	-6,2	44 197	32 937	-7,1	130 211	99 572	-6,5
Division 33 - Coke, petroleum, chemical products, rubber and plastic	118 510	104 645	-3,1	56 836	53 757	-1,4	175 346	158 402	-2,5
Division 34 - Glass and other non-metallic mineral products	53 704	40 229	-7,0	14 275	10 097	-8,3	67 979	50 326	-7,2
Division 35 - Metals, metal products, machinery and equipment	203 525	180 172	-3,0	47 453	44 241	-1,7	250 978	224 413	-2,8
Division 36 - Electrical machinery and apparatus	35 387	33 554	-1,3	12 180	13 537	2,7	47 567	47 091	-0,3
Division 37 - Telecommunication, medical and optical equipment and watches and clocks	11 277	9 107	-5,2	6 380	5 789	-2,4	17 657	14 896	-4,2
Division 38 - Transport equipment	82 965	89 243	1,8	24 978	27 418	2,4	107 943	116 661	2,0
Division 39 - Furniture, other manufacturing and recycling	48 485	37 928	-6,0	19 010	19 963	1,2	67 495	57 891	-3,8
Total	821 189	739 621	-2,6	362 317	352 796	-0,7	1 183 506	1 092 417	-2,0

¹ Revised figures.² Preliminary figures.

Table 17 – Employment in the manufacturing industry as at the end of June 2021²

Type of manufacturer	Full-time employees			Part-time employees			Total employees
	Male	Female	Total	Male	Female	Total	
	Number						
Division 30 - Food products and beverages	138 950	84 943	223 893	12 834	12 203	25 037	248 930
Production, processing and preserving of meat and meat products	20 486	12 989	33 475	2 635	1 349	3 984	37 459
Processing and preserving of fruit and vegetables	12 277	7 195	19 472	1 752	1 414	3 166	22 638
Manufacture of vegetable and animal oils and fats	2 733	915	3 648	254	347	601	4 249
Manufacture of dairy products	13 890	7 357	21 247	695	442	1 137	22 384
Manufacture of grain mill products, starches and starch products	12 321	3 006	15 327	312	70	382	15 709
Manufacture of prepared animal feeds	5 228	1 160	6 388	133	12	145	6 533
Manufacture of bakery products	19 101	12 185	31 286	1 872	2 341	4 213	35 499
Manufacture of sugar, cocoa, chocolate and sugar confectionery	9 137	4 482	13 619	1 615	521	2 136	15 755
Manufacture of macaroni, noodles, couscous and similar farinaceous and other food products n.e.c.	24 675	26 429	51 104	2 646	5 101	7 747	58 851
Manufacture of alcoholic and non-alcoholic beverages	19 102	9 225	28 327	920	606	1 526	29 853
Division 31 - Textiles, clothing, leather and footwear	25 185	45 632	70 817	1 139	2 279	3 418	74 235
Preparation and spinning of textile fibres and weaving and finishing of textiles	2 853	2 830	5 683	29	128	157	5 840
Manufacture of made-up textile articles, except apparel	3 583	7 838	11 421	181	278	459	11 880
Manufacture of carpets, rugs and mats	662	313	975	26	33	59	1 034
Manufacture of cordage, rope, twine and netting	609	384	993	16	28	44	1 037
Manufacture of other textiles	3 757	3 029	6 786	186	107	293	7 079
Manufacture of knitted and crocheted fabrics and articles	1 131	1 487	2 618	24	17	41	2 659
Manufacture of wearing apparel, except fur apparel	7 643	25 507	33 150	510	1 591	2 101	35 251
Dressing and dyeing of fur, manufacture of articles of fur, tanning and dressing of leather	1 782	478	2 260	46	1	47	2 307
Manufacture of luggage, handbags and the like, saddlery and harness	478	336	814	8	0	8	822
Manufacture of footwear	2 687	3 430	6 117	113	96	209	6 326

² Preliminary figures.

Table 17 – Employment in the manufacturing industry as at the end of June 2021² (continued)

Type of manufacturer	Full-time employees			Part-time employees			Total employees
	Male	Female	Total	Male	Female	Total	
	Number						
Division 32 - Wood, wood products, paper, publishing and printing	64 106	31 761	95 867	2 529	1 176	3 705	99 572
Sawmilling and planing of wood	6 917	3 620	10 537	439	99	538	11 075
Manufacture of builders' carpentry and joinery	5 415	1 667	7 082	65	50	115	7 197
Manufacture of wooden containers	3 545	918	4 463	48	0	48	4 511
Manufacture of veneer sheets, plywood, other boards and other products of wood, articles of cork, straw and plaiting material	6 377	2 086	8 463	160	22	182	8 645
Manufacture of corrugated paper and paperboard and of containers of paper and paperboard	12 689	5 028	17 717	451	206	657	18 374
Manufacture of pulp, paper and paperboard and other articles of paper and paperboard	10 309	4 977	15 286	428	189	617	15 903
Publishing of books, brochures, musical books, newspapers, journals, periodicals and other publications	5 725	6 189	11 914	385	393	778	12 692
Publishing of recorded media and other publishing	132	70	202	9	37	46	248
Printing	12 509	6 733	19 242	534	168	702	19 944
Service activities related to printing and reproduction of recorded media	488	473	961	10	12	22	983
Division 33 - Coke, petroleum, chemical products, rubber and plastic	100 018	50 674	150 692	4 627	3 083	7 710	158 402
Manufacture of coke oven products	1 569	498	2 067	55	29	84	2 151
Manufacture of petrol, fuel oils and other petroleum products n.e.c.	6 836	3 393	10 229	62	50	112	10 341
Processing of nuclear fuels and manufacture of basic chemicals, except fertilisers and nitrogen compounds, plastic in primary form and synthetic rubber	11 593	4 514	16 107	336	174	510	16 617
Manufacture of fertilisers and nitrogen compounds; and plastics in primary forms and synthetic rubber	4 943	1 485	6 428	147	28	175	6 603
Manufacture of paints, varnishes and similar coatings, printing ink and mastics	9 325	2 976	12 301	431	60	491	12 792
Manufacture of pharmaceuticals, medicinal chemicals and botanical products	8 968	8 870	17 838	472	506	978	18 816
Manufacture of soap and detergents, perfumes and toilet preparations	11 056	8 074	19 130	576	942	1 518	20 648
Manufacture of pesticides and other agro-chemical products and other chemical products n.e.c.	7 254	3 102	10 356	364	154	518	10 874
Manufacture of rubber tyres and tubes and retreading of tyres	5 145	1 009	6 154	198	110	308	6 462
Manufacture of man-made fibres and other rubber products	3 615	725	4 340	366	77	443	4 783
Manufacture of plastic products	29 714	16 028	45 742	1 620	953	2 573	48 315

²Preliminary figures.

Table 17 – Employment in the manufacturing industry as at the end of June 2021² (continued)

Type of manufacturer	Full-time employees			Part-time employees			Total employees
	Male	Female	Total	Male	Female	Total	
	Number						
Division 34 - Glass and other non-metallic mineral products	38 488	9 595	48 083	1 741	502	2 243	50 326
Manufacture of refractory ceramic products	3 423	612	4 035	125	12	137	4 172
Manufacture of structural non-refractory clay and ceramic products	7 896	2 580	10 476	226	67	293	10 769
Manufacture of cement, lime and plaster and articles of concrete, cement and plaster	17 926	4 173	22 099	1 085	268	1 353	23 452
Manufacture of glass and glass products, non-structural non-refractory ceramic ware, cutting and shaping of stones and other non-metallic mineral products n.e.c.	9 243	2 230	11 473	305	155	460	11 933
Division 35 - Metals, metal products, machinery and equipment	172 163	41 785	213 948	8 009	2 456	10 465	224 413
Manufacture of basic iron and steel	18 462	3 405	21 867	560	526	1 086	22 953
Manufacture of basic precious and non-ferrous metals	10 660	3 708	14 368	778	215	993	15 361
Manufacture of structural metal products	28 702	7 510	36 212	1 980	694	2 674	38 886
Treatment and coating of metals; general mechanical engineering	21 095	4 032	25 127	1 301	246	1 547	26 674
Manufacture of cutlery, hand tools and general hardware	3 472	1 026	4 498	20	3	23	4 521
Casting of iron, steel and non-ferrous metals; manufacture of tanks, reservoirs and similar containers of metal	21 397	5 069	26 466	659	152	811	27 277
Manufacture of engines and turbines, except aircraft, vehicle and motor cycle engines	1 025	183	1 208	0	0	0	1 208
Manufacture of pumps, compressors, taps and valves	13 518	3 017	16 535	539	79	618	17 153
Manufacture of ovens, furnaces and furnace burners	373	47	420	0	0	0	420
Manufacture of lifting and handling equipment	5 306	1 204	6 510	30	49	79	6 589
Manufacture of steam generators, household appliances and other general purpose machinery	16 096	4 361	20 457	377	110	487	20 944
Manufacture of agricultural and forestry machinery	3 559	2 108	5 667	131	63	194	5 861
Manufacture of machine tools	1 889	595	2 484	64	24	88	2 572
Manufacture of machinery for mining, quarrying, construction and metallurgy	18 530	3 555	22 085	1 344	261	1 605	23 690
Manufacture of machinery for food, beverage and tobacco processing	1 336	304	1 640	18	1	19	1 659
Manufacture of machinery for textile and leather production, weapons and ammunition and other special purpose machinery	6 743	1 661	8 404	208	33	241	8 645

² Preliminary figures.

Table 17 – Employment in the manufacturing industry as at the end of June 2021² (continued)

Type of manufacturer	Full-time employees			Part-time employees			Total employees
	Male	Female	Total	Male	Female	Total	
	Number						
Division 36 - Electrical machinery and apparatus	28 230	12 440	40 670	5 324	1 097	6 421	47 091
Manufacture of electric motors, generators and transformers	11 646	2 574	14 220	4 859	809	5 668	19 888
Manufacture of electricity distribution and control apparatus	3 816	976	4 792	184	143	327	5 119
Manufacture of insulated wire and cable	3 685	1 294	4 979	46	15	61	5 040
Manufacture of accumulators, primary cells, batteries, electric lamps and lighting equipment	3 127	713	3 840	171	74	245	4 085
Manufacture of bearings, gears, gearing, driving elements and other electrical equipment	5 956	6 883	12 839	64	56	120	12 959
Division 37 - Telecommunication, medical and optical equipment and watches and clocks	8 779	5 249	14 028	328	540	868	14 896
Manufacture of electronic valves and tubes, television and radio transmitters and receivers, sound or video recording, line telephony apparatus and other electronic components	3 299	2 530	5 829	54	21	75	5 904
Manufacture of medical and surgical equipment and orthopaedic appliances	1 692	762	2 454	84	420	504	2 958
Manufacture of instruments and appliances for measuring, testing, navigating and industrial process control equipment	2 830	1 444	4 274	188	97	285	4 559
Manufacture of watches and clocks, optical instruments and photographic equipment	958	513	1 471	2	2	4	1 475
Division 38 - Transport equipment	86 355	26 457	112 812	2 888	961	3 849	116 661
Manufacture of bodies (coachwork) for motor vehicles, trailers and semi-trailers	10 240	2 189	12 429	1 134	43	1 177	13 606
Manufacture of parts for motor vehicles and their engines	35 030	11 932	46 962	677	337	1 014	47 976
Building and repairing of ships	913	444	1 357	289	18	307	1 664
Building and repairing of pleasure and sporting boats	3 337	655	3 992	181	5	186	4 178
Manufacture of aircraft	4 140	1 644	5 784	44	21	65	5 849
Manufacture of motor vehicles; railway and tramway locomotives and rolling stock; motor cycles; bicycles, invalid carriages and other transport equipment	32 695	9 593	42 288	563	537	1 100	43 388

² Preliminary figures.

Table 17 – Employment in the manufacturing industry as at the end of June 2021² (concluded)

Type of manufacturer	Full-time employees			Part-time employees			Total employees
	Male	Female	Total	Male	Female	Total	
	Number						
Division 39 - Furniture, other manufacturing and recycling	33 789	16 745	50 534	4 139	3 218	7 357	57 891
Manufacture of furniture	14 891	4 829	19 720	3 055	2 763	5 818	25 538
Manufacture of jewellery and related articles	1 749	867	2 616	37	57	94	2 710
Manufacture of musical instruments, sports goods, games and toys	473	423	896	24	11	35	931
Manufacture of tobacco products and other manufacturing n.e.c.	10 209	8 801	19 010	801	368	1 169	20 179
Recycling of waste and scrap n.e.c.	6 467	1 825	8 292	222	19	241	8 533
Total	696 063	325 281	1 021 344	43 558	27 515	71 073	1 092 417

² Preliminary figures.

Table 18 – Employment by enterprise size in the manufacturing industry as at the end of June 2021²

Type of manufacturer	Large enterprises	Medium enterprises	Small enterprises	Micro enterprises	Total employees
	Number				
Division 30 - Food products and beverages	156 518	35 525	16 602	40 285	248 930
Division 31 - Textiles, clothing, leather and footwear	8 712	20 168	16 371	28 984	74 235
Division 32 - Wood, wood products, paper, publishing and printing	34 848	18 084	14 215	32 425	99 572
Division 33 - Coke, petroleum, chemical products, rubber and plastic	69 484	34 776	22 169	31 973	158 402
Division 34 - Glass and other non-metallic mineral products	13 655	10 114	10 405	16 152	50 326
Division 35 - Metals, metal products, machinery and equipment	59 814	39 947	31 516	93 136	224 413
Division 36 - Electrical machinery and apparatus	30 314	5 910	3 866	7 001	47 091
Division 37 - Telecommunication, medical and optical equipment and watches and clocks	4 769	3 265	1 907	4 955	14 896
Division 38 - Transport equipment	71 017	13 154	6 176	26 314	116 661
Division 39 - Furniture, other manufacturing and recycling	11 961	10 276	9 919	25 735	57 891
Total	461 092	191 219	133 146	306 960	1 092 417

² Preliminary figures.

Table 19 – Key statistics of sales of own manufactured goods and services by province in the manufacturing industry, 2017 and 2021

Province	2017 ¹	2021 ²	2017 ¹	2021 ²	Annualised % change
	R million		% contribution		
Western Cape	465 659	432 131	21,2	18,4	-1,9
Eastern Cape	205 348	203 208	9,3	8,7	-0,3
Northern Cape	22 390	18 008	1,0	0,8	-5,3
Free State	100 546	122 882	4,6	5,2	5,1
KwaZulu-Natal	388 730	413 885	17,7	17,7	1,6
North West	38 603	52 480	1,8	2,2	8,0
Gauteng	875 740	974 041	39,8	41,6	2,7
Mpumalanga	67 420	86 428	3,1	3,7	6,4
Limpopo	34 069	39 500	1,5	1,7	3,8
Total	2 198 505	2 342 563	100,0	100,0	1,6

¹ Revised figures.² Preliminary figures.

Table 20 – Key statistics of salaries and wages by province in the manufacturing industry, 2017 and 2021

Province	2017 ¹	2021 ²	2017 ¹	2021 ²	Annualised % change
	R million		% contribution		
Western Cape	46 020	47 361	17,7	17,5	0,7
Eastern Cape	21 491	18 908	8,3	7,0	-3,2
Northern Cape	2 238	1 869	0,9	0,7	-4,4
Free State	10 206	11 180	3,9	4,1	2,3
KwaZulu-Natal	44 306	46 849	17,0	17,3	1,4
North West	4 435	6 857	1,7	2,5	11,5
Gauteng	121 177	125 103	46,6	46,1	0,8
Mpumalanga	7 379	8 916	2,8	3,3	4,8
Limpopo	2 906	4 178	1,1	1,5	9,5
Total	260 158	271 221	100,0	100,0	1,0

¹ Revised figures.² Preliminary figures.

Table 21 – Key statistics of employment by province in the manufacturing industry, 2017 and 2021

Province	2017 ¹	2021 ²	2017 ¹	2021 ²	Annualised % change
	Number		% contribution		
Western Cape	243 950	197 315	20,6	18,1	-5,2
Eastern Cape	91 997	71 559	7,8	6,6	-6,1
Northern Cape	10 491	9 565	0,9	0,9	-2,3
Free State	37 866	40 265	3,2	3,7	1,5
KwaZulu-Natal	218 576	206 969	18,5	18,9	-1,4
North West	24 145	30 373	2,0	2,8	5,9
Gauteng	501 270	474 447	42,3	43,3	-1,4
Mpumalanga	35 574	37 026	3,0	3,4	1,0
Limpopo	19 637	24 898	1,7	2,3	6,1
Total	1 183 506	1 092 417	100,0	100,0	-2,0

¹ Revised figures.² Preliminary figures.

Table 22 – Sales of own manufactured goods and services by province in the manufacturing industry, 2021²

Type of manufacturer	Western Cape	Eastern Cape	Northern Cape	Free State	KwaZulu-Natal	North West	Gauteng	Mpumalanga	Limpopo	Total
	R million									
Division 30 - Food products and beverages	115 456	37 937	11 380	37 718	100 688	18 105	176 558	39 622	20 236	557 700
Division 31 - Textiles, clothing, leather and footwear	11 944	4 680	15	1 027	22 743	303	9 797	809	263	51 581
Division 32 - Wood, wood products, paper, publishing and printing	29 439	5 113	162	1 565	35 866	3 753	58 774	11 038	1 926	147 636
Division 33 - Coke, petroleum, chemical products, rubber and plastic	173 812	27 339	2 336	73 593	66 794	7 384	198 626	7 493	6 239	563 616
Division 34 - Glass and other non-metallic mineral products	9 370	4 028	1 507	900	6 522	5 523	35 561	2 525	3 418	69 354
Division 35 - Metals, metal products, machinery and equipment	37 108	7 010	2 116	3 766	75 084	11 510	236 522	21 514	6 577	401 207
Division 36 - Electrical machinery and apparatus	2 849	3 672	56	425	7 482	1 638	42 107	1 475	187	59 891
Division 37 - Telecommunication, medical and optical equipment and watches and clocks	7 403	102	7	47	4 185	104	12 362	109	14	24 333
Division 38 - Transport equipment	19 243	111 536	291	3 227	87 729	2 582	155 214	1 268	422	381 512
Division 39 - Furniture, other manufacturing and recycling	25 507	1 791	138	614	6 792	1 578	48 520	575	218	85 733
Total	432 131	203 208	18 008	122 882	413 885	52 480	974 041	86 428	39 500	2 342 563

² Preliminary figures.

Table 23 – Salaries and wages by province in the manufacturing industry, 2021²

Type of manufacturer	Western Cape	Eastern Cape	Northern Cape	Free State	KwaZulu-Natal	North West	Gauteng	Mpumalanga	Limpopo	Total
	R million									
Division 30 - Food products and beverages	9 501	2 944	635	2 422	8 784	1 467	18 860	2 077	1 685	48 375
Division 31 - Textiles, clothing, leather and footwear	2 622	567	5	191	4 000	86	2 109	170	85	9 835
Division 32 - Wood, wood products, paper, publishing and printing	7 566	604	31	309	4 834	250	8 924	1 946	185	24 649
Division 33 - Coke, petroleum, chemical products, rubber and plastic	9 504	2 773	264	6 280	8 741	1 339	23 671	724	375	53 671
Division 34 - Glass and other non-metallic mineral products	1 414	653	306	132	916	728	6 029	299	525	11 002
Division 35 - Metals, metal products, machinery and equipment	7 237	1 404	495	904	8 863	1 996	36 125	2 848	1 175	61 047
Division 36 - Electrical machinery and apparatus	1 030	643	15	71	1 207	330	7 834	433	30	11 593
Division 37 - Telecommunication, medical and optical equipment and watches and clocks	1 169	26	2	14	470	32	2 512	8	3	4 236
Division 38 - Transport equipment	5 001	8 924	80	734	7 821	463	13 582	271	67	36 943
Division 39 - Furniture, other manufacturing and recycling	2 317	370	36	123	1 213	166	5 457	140	48	9 870
Total	47 361	18 908	1 869	11 180	46 849	6 857	125 103	8 916	4 178	271 221

² Preliminary figures.

Table 24 – Employment by province in the manufacturing industry, 2021²

Type of manufacturer	Western Cape	Eastern Cape	Northern Cape	Free State	KwaZulu-Natal	North West	Gauteng	Mpumalanga	Limpopo	Total
	Number									
Division 30 - Food products and beverages	57 634	13 852	4 883	15 693	39 442	8 435	85 542	12 174	11 275	248 930
Division 31 - Textiles, clothing, leather and footwear	16 229	3 812	32	1 288	35 026	738	16 079	464	567	74 235
Division 32 - Wood, wood products, paper, publishing and printing	23 576	4 193	312	2 108	23 909	1 915	34 211	7 248	2 100	99 572
Division 33 - Coke, petroleum, chemical products, rubber and plastic	26 161	9 261	723	8 759	30 287	3 360	75 475	2 313	2 063	158 402
Division 34 - Glass and other non-metallic mineral products	6 665	3 554	547	1 140	5 752	2 425	24 970	2 144	3 129	50 326
Division 35 - Metals, metal products, machinery and equipment	29 956	7 149	2 250	5 845	31 395	8 058	126 254	8 861	4 645	224 413
Division 36 - Electrical machinery and apparatus	4 310	2 641	76	356	6 869	1 593	29 963	1 142	141	47 091
Division 37 - Telecommunication, medical and optical equipment and watches and clocks	4 448	104	9	43	1 931	129	8 174	44	14	14 896
Division 38 - Transport equipment	16 728	24 739	495	3 809	22 879	2 147	43 612	1 618	634	116 661
Division 39 - Furniture, other manufacturing and recycling	11 608	2 254	238	1 224	9 479	1 573	30 167	1 018	330	57 891
Total	197 315	71 559	9 565	40 265	206 969	30 373	474 447	37 026	24 898	1 092 417

² Preliminary figures.

Table 25 – Sales of own manufactured goods and services by municipality in the manufacturing industry, 2017 and 2021

Municipality	2017 ¹	2021 ²	2017 ¹	2021 ²	Annualised % change
	R million		% contribution		
Western Cape	465 659	432 131	21,2	18,4	-1,9
City of Cape Town	364 478	328 002	16,6	14,0	-2,6
Cape Winelands	68 616	66 885	3,1	2,9	-0,6
Other Western Cape	32 565	37 244	1,5	1,6	3,4
Eastern Cape	205 348	203 208	9,3	8,7	-0,3
Buffalo City	73 570	60 970	3,3	2,6	-4,6
Cacadu	6 296	6 001	0,3	0,3	-1,2
Nelson Mandela Bay	118 259	121 625	5,4	5,2	0,7
Other Eastern Cape	7 223	14 611	0,3	0,6	19,3
Northern Cape	22 390	18 008	1,0	0,8	-5,3
Free State	100 546	122 882	4,6	5,2	5,1
Fezile Dabi	69 839	79 119	3,2	3,4	3,2
Mangaung	14 981	19 277	0,7	0,8	6,5
Other Free State	15 725	24 486	0,7	1,0	11,7
KwaZulu-Natal	388 730	413 885	17,7	17,7	1,6
Ugu	4 419	4 436	0,2	0,2	0,1
uMgungundlovu	48 240	52 649	2,2	2,2	2,2
Amajuba	13 385	11 559	0,6	0,5	-3,6
King Cetshwayo	36 772	36 253	1,7	1,5	-0,4
eThekweni	255 144	271 228	11,6	11,6	1,5
Other KwaZulu-Natal	30 769	37 759	1,4	1,6	5,3
North West	38 603	52 480	1,8	2,2	8,0
Bojanala	22 118	22 488	1,0	1,0	0,4
Ngaka Modiri Molema	6 471	10 791	0,3	0,5	13,6
Other North West	10 014	19 200	0,5	0,8	17,7

¹ Revised figures.² Preliminary figures.

Table 25 – Sales of own manufactured goods and services by municipality in the manufacturing industry, 2014 and 2021 (concluded)

Municipality	2017 ¹	2021 ²	2017 ¹	2021 ²	Annualised % change
	R million		% contribution		
Gauteng	875 740	974 041	39,8	41,6	2,7
Sedibeng	63 721	53 197	2,9	2,3	-4,4
West Rand	21 989	22 940	1,0	1,0	1,1
Ekurhuleni	282 766	346 406	12,9	14,8	5,2
City of Johannesburg	329 446	336 693	15,0	14,4	0,5
City of Tshwane	177 819	214 806	8,1	9,2	4,8
Mpumalanga	67 420	86 428	3,1	3,7	6,4
Gert Sibande	18 506	18 097	0,8	0,8	-0,6
Nkangala	29 078	27 105	1,3	1,2	-1,7
Ehlanzeni	19 835	41 226	0,9	1,8	20,1
Limpopo	34 069	39 500	1,5	1,7	3,8
Mopani	3 249	2 695	0,1	0,1	-4,6
Capricorn	17 814	16 071	0,8	0,7	-2,5
Waterberg	5 647	5 513	0,3	0,2	-0,6
Other Limpopo	7 360	15 221	0,3	0,6	19,9
Total	2 198 505	2 342 563	100,0	100,0	1,6

¹ Revised figures.² Preliminary figures.

Table 26 – Salaries and wages by municipality in the manufacturing industry, 2017 and 2021

Municipality	2017 ¹	2021 ²	2017 ¹	2021 ²	Annualised % change
	R million		% contribution		
Western Cape	46 020	47 361	17,7	17,5	0,7
City of Cape Town	36 016	32 195	13,8	11,9	-2,8
Cape Winelands	6 650	6 303	2,6	2,3	-1,3
Other Western Cape	3 354	8 864	1,3	3,3	27,5
Eastern Cape	21 491	18 908	8,3	7,0	-3,2
Buffalo City	7 432	4 389	2,9	1,6	-12,3
Cacadu	488	643	0,2	0,2	7,1
Nelson Mandela Bay	12 790	12 000	4,9	4,4	-1,6
Other Eastern Cape	780	1 875	0,3	0,7	24,5
Northern Cape	2 238	1 869	0,9	0,7	-4,4
Free State	10 206	11 180	3,9	4,1	2,3
Fezile Dabi	7 548	6 574	2,9	2,4	-3,4
Mangaung	1 294	2 067	0,5	0,8	12,4
Other Free State	1 364	2 539	0,5	0,9	16,8
KwaZulu-Natal	44 306	46 849	17,0	17,3	1,4
Ugu	500	474	0,2	0,2	-1,3
uMgungundlovu	4 794	4 629	1,8	1,7	-0,9
Amajuba	1 687	1 386	0,6	0,5	-4,8
King Cetshwayo	3 185	3 035	1,2	1,1	-1,2
eThekwini	30 405	31 859	11,7	11,7	1,2
Other KwaZulu-Natal	3 734	5 465	1,4	2,0	10,0
North West	4 435	6 857	1,7	2,5	11,5
Bojanala	2 904	2 851	1,1	1,1	-0,5
Ngaka Modiri Molema	473	837	0,2	0,3	15,3
Other North West	1 059	3 168	0,4	1,2	31,5

¹ Revised figures.² Preliminary figures.

Table 26 – Salaries and wages by municipality in the manufacturing industry, 2014 and 2021 (concluded)

Municipality	2017 ¹	2021 ²	2017 ¹	2021 ²	Annualised % change
	R million		% contribution		
Gauteng	121 177	125 103	46,6	46,1	0,8
Sedibeng	8 461	7 004	3,3	2,6	-4,6
West Rand	2 867	2 246	1,1	0,8	-5,9
Ekurhuleni	43 741	46 160	16,8	17,0	1,4
City of Johannesburg	45 326	47 100	17,4	17,4	1,0
City of Tshwane	20 783	22 593	8,0	8,3	2,1
Mpumalanga	7 379	8 916	2,8	3,3	4,8
Gert Sibande	1 398	1 242	0,5	0,5	-2,9
Nkangala	2 989	2 871	1,1	1,1	-1,0
Ehlanzeni	2 993	4 804	1,2	1,8	12,6
Limpopo	2 906	4 178	1,1	1,5	9,5
Mopani	457	282	0,2	0,1	-11,4
Capricorn	1 239	1 328	0,5	0,5	1,7
Waterberg	389	666	0,1	0,2	14,4
Other Limpopo	821	1 902	0,3	0,7	23,4
Total	260 158	271 221	100,0	100,0	1,0

¹ Revised figures.² Preliminary figures.

Table 27 – Employment by municipality in the manufacturing industry, 2017 and 2021

Municipality	2017 ¹	2021 ²	2017 ¹	2021 ²	Annualised % change
	Number		% contribution		
Western Cape	243 950	197 315	20,6	18,1	-5,2
City of Cape Town	190 516	154 514	16,1	14,1	-5,1
Cape Winelands	32 147	25 374	2,7	2,3	-5,7
Other Western Cape	21 287	17 427	1,18	1,6	-4,9
Eastern Cape	91 997	71 559	7,8	6,6	-6,1
Buffalo City	34 079	17 448	2,9	1,6	-15,4
Cacadu	2 373	2 038	0,2	0,2	-3,7
Nelson Mandela Bay	49 580	41 662	4,2	3,8	-4,3
Other Eastern Cape	5 965	10 411	0,5	1,0	14,9
Northern Cape	10 491	9 565	0,9	0,9	-2,3
Free State	37 866	40 265	3,2	3,7	1,5
Fezile Dabi	15 870	12 468	1,3	1,1	-5,9
Mangaung	9 472	12 100	0,8	1,1	6,3
Other Free State	12 524	15 697	1,1	1,4	5,8
KwaZulu-Natal	218 576	206 969	18,5	18,9	-1,4
Ugu	3 060	3 407	0,3	0,3	2,7
uMgungundlovu	25 776	22 250	2,2	2,0	-3,6
Amajuba	7 490	5 129	0,6	0,5	-9
King Cetshwayo	14 167	7 675	1,2	0,7	-14,2
eThekwini	143 760	136 124	12,1	12,5	-1,4
Other KwaZulu-Natal	24 323	32 384	2,1	3,0	7,4
North West	24 145	30 373	2,0	2,8	5,9
Bojanala	14 830	11 020	1,3	1,0	-7,2
Ngaka Modiri Molema	2 818	2 683	0,2	0,2	-1,2
Other North West	6 497	16 670	0,5	1,5	26,6

¹ Revised figures.² Preliminary figures.

Table 27 – Employment by municipality in the manufacturing industry, 2017 and 2021 (concluded)

Municipality	2017 ¹	2021 ²	2017 ¹	2021 ²	Annualised % change
	Number		% contribution		
Gauteng	501 270	474 447	42,4	43,4	-1,4
Sedibeng	32 004	20 268	2,7	1,9	-10,8
West Rand	15 252	9 463	1,3	0,9	-11,2
Ekurhuleni	177 981	168 035	15,0	15,4	-1,4
City of Johannesburg	188 440	187 964	15,9	17,2	-0,1
City of Tshwane	87 593	88 717	7,4	8,1	0,3
Mpumalanga	35 574	37 026	3,0	3,4	1,0
Gert Sibande	9 539	5 711	0,8	0,5	-12,0
Nkangala	10 910	9 048	0,9	0,8	-4,6
Ehlanzeni	15 125	22 267	1,3	2,0	10,2
Limpopo	19 637	24 898	1,7	2,3	6,1
Mopani	4 148	2 332	0,4	0,2	-13,4
Capricorn	6 973	5 601	0,6	0,5	-5,3
Waterberg	3 759	3 089	0,3	0,3	-4,8
Other Limpopo	4 757	13 876	0,4	1,3	30,7
Total	1 183 506	1 092 417	100,0	100,0	-2,0

¹ Revised figures.² Preliminary figures.

Table 28 – Information and communication technology usage in the manufacturing industry, 2021²

Type of manufacturer	Enterprises which use computers for business purposes	Enterprises which access financial services via the internet	Enterprises which have a webpage	Enterprises which receive orders via the internet	Enterprises which place orders via the internet	Enterprises whose information technology (IT) activities are outsourced
	%					
Division 30 - Food products and beverages	99,7	79,3	82,8	53,1	50,6	63,1
Division 31 - Textiles, clothing, leather and footwear	99,7	78,5	75,7	36,1	30,6	50,7
Division 32 - Wood, wood products, paper, publishing and printing	100,0	77,9	81,1	40,8	37,3	42,8
Division 33 - Coke, petroleum, chemical products, rubber and plastic	99,9	85,0	87,3	43,2	40,3	53,4
Division 34 - Glass and other non-metallic mineral products	99,7	87,8	80,6	54,5	54,2	50,1
Division 35 - Metals, metal products, machinery and equipment	99,7	89,9	86,1	43,8	38,8	60,8
Division 36 - Electrical machinery and apparatus	100,0	79,2	83,8	40,4	38,3	49,2
Division 37 - Telecommunication, medical and optical equipment and watches and clocks	100,0	64,6	92,9	30,3	25,3	56,6
Division 38 - Transport equipment	100,0	83,4	86,6	36,8	34,8	53,4
Division 39 - Furniture, other manufacturing and recycling	99,5	91,2	73,1	30,2	28,0	58,2
Total	99,8	83,7	83,6	43,7	40,4	55,1

² Preliminary figures.

Table 29 – Information and communication technology usage by enterprise size in the manufacturing industry, 2021²

Enterprise size	Enterprises which use computers for business purposes	Enterprises which access financial services via the internet	Enterprises which have a webpage	Enterprises which receive orders via the internet	Enterprises which place orders via the internet	Enterprises whose information technology (IT) activities are outsourced
	%					
Large enterprises	100,0	82,6	92,9	54,3	53,1	51,0
Medium enterprises	99,8	84,9	87,5	41,8	36,3	59,7
Small enterprises	99,9	85,5	83,9	41,4	37,1	59,8
Micro enterprises	99,5	82,0	73,3	39,2	36,6	50,7
Total	99,8	83,7	83,6	43,7	40,4	55,1

²Preliminary figures.

Explanatory notes**Background**

The results presented in this publication have been derived from the 2021 large sample survey of manufacturing. This is a periodic survey which measures economic activity in the manufacturing sector of the South African economy. The survey is based on a sample of private and public enterprises operating in the manufacturing industry.

This publication summarises the financial data of the manufacturing industry. Details of products will be published in a subsequent report.

The sample was drawn from Stats SA's business register. The business register is mainly based on the value-added tax (VAT) database of the South African Revenue Service (SARS). Stats SA continuously updates its business register, based on units registered in the taxation system at SARS.

The last large sample survey of the manufacturing industry was conducted for the year 2017 (Report No.: 30-02-03 (2017)).

Value-added tax (VAT)

All figures exclude value-added tax (VAT).

Reference period

The information was collected from enterprises for their financial year which ended on any date between 1 July 2020 and 30 June 2021.

Statistical unit

The statistical unit for the collection of the information is an enterprise. An enterprise is a legal unit (or a combination of legal units) that includes and directly controls all functions necessary to carry out its production activities.

Purpose of the survey

Results of the survey are used within Stats SA for benchmarking the gross domestic product (GDP) and its components. These statistics are also used by government policy advisors in monitoring the performance and contribution of individual industries to the South African economy and the effectiveness of industry policies, and by private sector users in analyses of comparative business and industry performance.

Classification by industry

The 1993 edition of the *Standard Industrial Classification of All Economic Activities* (SIC), Fifth Edition, Report No.: 09-90-02, was used to classify the statistical units in the survey. The SIC is based on the 1990 *International Standard Industrial Classification of All Economic Activities* (ISIC) with suitable adaptations for local conditions. Statistics in this publication are presented at SIC group (4-digit) level. Each enterprise is classified to an industry, which reflects its predominant activity.

Size groups

The Department of Trade Industry and Competition's (DTIC) 2003 cut-off points were used to classify the size groups of manufacturing enterprises in the manufacturing survey 2021. The enterprises are divided into four size groups according to the value of turnover recorded for them on the Stats SA business register. Table 30 presents the cut-off points for size groups. A factor of 7 was used to adjust the size group cut-off points.

Table 30 – Size groups for the manufacturing industry, 2021

Size group	Turnover
Large enterprises	Turnover > R357 000 000
Medium enterprises	R91 000 000 < turnover <= R357 000 000
Small enterprises	R35 000 000 < turnover <= R91 000 000
Micro enterprises	Turnover <= R35 000 000

Survey methodology and design

The survey was conducted by post, email, telephone and personal visits.

A sample of approximately 11 400 enterprises was drawn using stratified simple random sampling. Enterprises were stratified using municipal district, SIC and size group. All large, medium and small enterprises are completely enumerated. Micro enterprises with more than one geographic location were fully selected. Business register turnover was used as the measure of size for stratification. A collection rate of 76,0% was achieved.

Weighting methodology

For those strata not completely enumerated, the weights to produce estimates are the inverse ratio of the sampling fraction, modified to take account of non-response in the survey. Stratum estimates are calculated and then aggregated with the completely enumerated stratum to form division estimates.

Revisions to 2017 results

Revisions were made to previous results due to new information obtained after publication.

Relative standard error

Data presented in this publication are based on information obtained from a sample and are, therefore, subject to sampling variability; that is, they may differ from the figures that would have been produced if the data had been obtained from all enterprises in the manufacturing industry in South Africa. One measure of the likely difference is given by the standard error (SE), which indicates the extent to which an estimate might have varied by chance because only a sample of enterprises was used. The relative standard error (RSE) provides an immediate indication of the percentage error likely to have occurred due to sampling.

Table 31 – Confidence intervals (95%) for income in the manufacturing industry, 2021²

Type of manufacturer	Lower limit	Total income	Upper limit	Relative standard error
	R million			%
Division 30 - Food products and beverages	591 669	593 997	596 325	0,2
Production, processing and preserving of meat and meat products	64 235	64 871	65 507	0,5
Processing and preserving of fruit and vegetables	35 465	35 745	36 025	0,4
Manufacture of vegetable and animal oils and fats	48 229	48 229	48 229	0,0
Manufacture of dairy products	49 673	49 868	50 063	0,2
Manufacture of grain mill products, starches and starch products	47 493	47 774	48 055	0,3
Manufacture of prepared animal feeds	30 419	30 419	30 419	0,0
Manufacture of bakery products	55 697	56 810	57 923	1,0
Manufacture of sugar, cocoa, chocolate and sugar confectionery	50 366	50 366	50 366	0,0
Manufacture of macaroni, noodles, couscous and similar farinaceous and other food products n.e.c.	72 605	74 956	77 307	1,6
Manufacture of alcoholic and non-alcoholic beverages	134 694	134 959	135 224	0,1
Division 31 - Textiles, clothing, leather and footwear	57 915	59 429	60 943	1,3
Preparation and spinning of textile fibres and weaving and finishing of textiles	8 697	8 697	8 697	0,0
Manufacture of made-up textile articles, except apparel	6 865	7 545	8 225	4,6
Manufacture of carpets, rugs and mats	1 560	1 560	1 560	0,0
Manufacture of cordage, rope, twine and netting	935	935	935	0,0
Manufacture of other textiles	6 143	6 266	6 389	1,0
Manufacture of knitted and crocheted fabrics and articles	2 372	2 449	2 526	1,6
Manufacture of wearing apparel, except fur apparel	22 854	24 181	25 508	2,8
Dressing and dyeing of fur, manufacture of articles of fur, tanning and dressing of leather	3 415	3 415	3 415	0,0
Manufacture of luggage, handbags and the like, saddlery and harness	377	435	493	6,8
Manufacture of footwear	3 660	3 946	4 232	3,7

² Preliminary figures.

Table 31 – Confidence intervals (95%) for income in the manufacturing industry, 2021² (continued)

Type of manufacturer	Lower limit	Total income	Upper limit	Relative standard error
	R million			%
Division 32 - Wood, wood products, paper, publishing and printing	160 232	161 498	162 764	0,4
Sawmilling and planing of wood	11 715	12 119	12 523	1,7
Manufacture of builders' carpentry and joinery	6 644	7 030	7 416	2,8
Manufacture of wooden containers	2 568	2 769	2 970	3,7
Manufacture of veneer sheets, plywood, other boards and other products of wood, articles of cork, straw and plaiting material	4 380	4 824	5 268	4,7
Manufacture of corrugated paper and paperboard and of containers of paper and paperboard	45 492	45 671	45 850	0,2
Manufacture of pulp, paper and paperboard and other articles of paper and paperboard	39 727	40 602	41 477	1,1
Publishing of books, brochures, musical books, newspapers, journals, periodicals and other publications	20 544	20 955	21 366	1,0
Publishing of recorded media and other publishing	245	245	245	0,0
Printing	23 884	24 607	25 330	1,5
Service activities related to printing and reproduction of recorded media	2 582	2 676	2 770	1,8
Division 33 - Coke, petroleum, chemical products, rubber and plastic	675 426	678 084	680 742	0,2
Manufacture of coke oven products	5 857	5 857	5 857	0,0
Manufacture of petrol, fuel oils and other petroleum products n.e.c.	296 192	296 774	297 356	0,1
Processing of nuclear fuels and manufacture of basic chemicals, except fertilisers and nitrogen compounds, plastic in primary form and synthetic rubber	109 976	110 409	110 842	0,2
Manufacture of fertilisers and nitrogen compounds; and plastics in primary forms and synthetic rubber	22 587	23 085	23 583	1,1
Manufacture of paints, varnishes and similar coatings, printing ink and mastics	20 976	21 142	21 308	0,4
Manufacture of pharmaceuticals, medicinal chemicals and botanical products	41 976	42 560	43 144	0,7
Manufacture of soap and detergents, perfumes and toilet preparations	50 351	51 460	52 569	1,1
Manufacture of pesticides and other agro-chemical products and other chemical products n.e.c.	42 209	42 292	42 375	0,1
Manufacture of rubber tyres and tubes and retreading of tyres	14 574	14 574	14 574	0,0
Manufacture of man-made fibres and other rubber products	6 981	7 402	7 823	2,9
Manufacture of plastic products	60 200	62 529	64 858	1,9

² Preliminary figures.

Table 31 – Confidence intervals (95%) for income in the manufacturing industry, 2021² (continued)

Type of manufacturer	Lower limit	Total income	Upper limit	Relative standard error
	R million			%
Division 34 - Glass and other non-metallic mineral products	73 139	74 156	75 173	0,7
Manufacture of refractory ceramic products	3 549	3 802	4 055	3,4
Manufacture of structural non-refractory clay and ceramic products	8 529	8 529	8 529	0,0
Manufacture of cement, lime and plaster and articles of concrete, cement and plaster	44 046	44 837	45 628	0,9
Manufacture of glass and glass products, non-structural non-refractory ceramic ware, cutting and shaping of stones and other non-metallic mineral products n.e.c.	16 489	16 988	17 487	1,5
Division 35 - Metals, metal products, machinery and equipment	425 005	429 211	433 417	0,5
Manufacture of basic iron and steel	77 358	77 510	77 662	0,1
Manufacture of basic precious and non-ferrous metals	100 803	103 231	105 659	1,2
Manufacture of structural metal products	41 162	43 552	45 942	2,8
Treatment and coating of metals; general mechanical engineering	30 534	32 240	33 946	2,7
Manufacture of cutlery, hand tools and general hardware	4 008	4 276	4 544	3,2
Casting of iron, steel and non-ferrous metals; manufacture of tanks, reservoirs and similar containers of metal	34 948	35 294	35 640	0,5
Manufacture of engines and turbines, except aircraft, vehicle and motor cycle engines	2 191	2 191	2 191	0,0
Manufacture of pumps, compressors, taps and valves	17 648	19 439	21 230	4,7
Manufacture of ovens, furnaces and furnace burners	269	337	405	10,3
Manufacture of lifting and handling equipment	6 440	7 109	7 778	4,8
Manufacture of steam generators, household appliances and other general purpose machinery	26 916	28 014	29 112	2,0
Manufacture of agricultural and forestry machinery	5 557	5 843	6 129	2,5
Manufacture of machine tools	3 674	3 808	3 942	1,8
Manufacture of machinery for mining, quarrying, construction and metallurgy	40 715	41 446	42 177	0,9
Manufacture of machinery for food, beverage and tobacco processing	2 907	3 161	3 415	4,1
Manufacture of machinery for textile and leather production, weapons and ammunition and other special purpose machinery	20 694	21 760	22 826	2,5

² Preliminary figures.

Table 31 – Confidence intervals (95%) for income in the manufacturing industry, 2021² (concluded)

Type of manufacturer	Lower limit	Total income	Upper limit	Relative standard error
	R million			%
Division 36 - Electrical machinery and apparatus	68 185	68 724	69 263	0,4
Manufacture of electric motors, generators and transformers	25 715	26 021	26 327	0,6
Manufacture of electricity distribution and control apparatus	6 311	6 515	6 719	1,6
Manufacture of insulated wire and cable	11 855	11 972	12 089	0,5
Manufacture of accumulators, primary cells, batteries, electric lamps and lighting equipment	5 926	5 926	5 926	0,0
Manufacture of bearings, gears, gearing, driving elements and other electrical equipment	17 860	18 290	18 720	1,2
Division 37 - Telecommunication, medical and optical equipment and watches and clocks	25 343	25 747	26 151	0,8
Manufacture of electronic valves and tubes, television and radio transmitters and receivers, sound or video recording, line telephony apparatus and other electronic components	13 207	13 417	13 627	0,8
Manufacture of medical and surgical equipment and orthopaedic appliances	2 848	2 848	2 848	0,0
Manufacture of instruments and appliances for measuring, testing, navigating and industrial process control equipment	7 459	7 748	8 037	1,9
Manufacture of watches and clocks, optical instruments and photographic equipment	1 608	1 734	1 860	3,7
Division 38 - Transport equipment	447 347	449 108	450 869	0,2
Manufacture of bodies (coachwork) for motor vehicles, trailers and semi-trailers	14 271	14 703	15 135	1,5
Manufacture of parts for motor vehicles and their engines	106 499	108 196	109 893	0,8
Building and repairing of ships	1 274	1 354	1 434	3,0
Building and repairing of pleasure and sporting boats	2 953	3 006	3 059	0,9
Manufacture of aircraft	9 382	9 627	9 872	1,3
Manufacture of motor vehicles; railway and tramway locomotives and rolling stock; motor cycles; bicycles, invalid carriages and other transport equipment	310 998	312 222	313 446	0,2
Division 39 - Furniture, other manufacturing and recycling	89 355	91 691	94 027	1,3
Manufacture of furniture	16 216	18 136	20 056	5,4
Manufacture of jewellery and related articles	16 851	17 292	17 733	1,3
Manufacture of musical instruments, sports goods, games and toys	415	442	469	3,1
Manufacture of tobacco products and other manufacturing n.e.c.	34 180	35 502	36 824	1,9
Recycling of waste and scrap n.e.c.	20 239	20 319	20 399	0,2
Total	2 626 523	2 631 645	2 636 839	0,1

² Preliminary figures.

Non-sampling errors

Inaccuracies may occur because of imperfections in reporting by enterprises and errors made in the collection and processing of the data. Inaccuracies of this kind are referred to as non-sampling errors. Every effort is made to minimise non-sampling errors by careful design of questionnaires, testing them in pilot studies, editing reported data and implementing efficient operating procedures. Non-sampling errors occur in both sample surveys and censuses.

Rounding-off of figures

The figures in the tables have, where necessary, been rounded off to the nearest final digit shown. There may therefore be slight discrepancies between the sums of the constituent items and the totals shown.

Symbols and abbreviations

DTIC	Department of Trade and Industry and Competition
GDP	Gross domestic product
ISIC	International Standard Industrial Classification of All Economic Activities
IT	Income tax
n.e.c.	not elsewhere classified
RSE	Relative standard error
SARS	South African Revenue Service
SE	Standard error
SIC	Standard Industrial Classification of All Economic Activities
SMME	Small, medium and micro enterprises
SNA	System of National Accounts
Stats SA	Statistics South Africa
VAT	Value-added tax
0	Nil or less than half the final digit shown

Glossary**Capital expenditure on new assets**

Capital expenditure on new assets includes:

- the erection of new buildings and works, and additions to and alterations of existing buildings and works;
- work in progress capitalised;
- new plant, machinery, equipment and vehicles;
- new computers, network equipment and other information technology equipment;
- intangible assets;
- used plant and machinery which was imported by or on behalf of the enterprise, whether paid to outside contractors/concerns or which was done by the enterprise itself; and
- other new assets not specified.

and excludes:

- acquisition of land;
- existing buildings and works;
- used plant and machinery and vehicles;
- transfers-in of property, plant, equipment and intangible assets; and
- other existing assets.

Collection rate

Collection rate = (number of collected questionnaires + number of out-of-scope and inactive (zero contributing) enterprises) / sample size *100.

Concentration ratio

The concentration ratio is the ratio of the income of the largest enterprises to the total income.

Collection unit

A unit for which information is required for statistical production.

Employees

People employed by the business or organisation who received payment (salaries, wages, commission, piece rates or payments in kind) for the last pay period ended on or before 30 June 2021.

Enterprise

A legal entity or a combination of legal units that includes and directly controls all functions necessary to out its production activities.

Full-time employment

Full-time employee is a person (permanent, temporary or casual) who normally works the agreed hours, i.e. 40 hours or more per week.

Part-time employment

Part time employee is a person (permanent, temporary or casual) who usually works less than 40 hours per week.

Industry

An industry is made up of enterprises engaged in the same or similar kinds of economic activity. Industries are defined in the *System of National Accounts* (SNA) in the same way as in the *Standard Industrial Classification of All Economic Activities* (SIC), Fifth Edition, Report No.: 09-90-02 of January 1993.

Informal employment

Employment by the informal sector. The informal sector includes all businesses that are not registered for VAT.

Municipality

Municipality is a generic term describing the 'unit' of government in the local spheres responsible for local government in a geographically demarcated area and including district, local and metropolitan municipalities. Municipalities as an institution consist of a municipal council (elected political representatives) and the municipal administration (appointed officials).

Net profit or loss after tax

Net profit or loss after tax is derived as:

Total income

plus closing inventories

minus total expenditure

minus opening inventories

minus company tax

Net profit or loss before tax

Net profit or loss before tax is derived as:

Total income

plus closing inventories

minus total expenditure

minus opening inventories

Other expenditure

Other expenditure includes: total subcontractors and labour/employment brokers; leasing and hiring of plant, machinery, equipment and vehicles under operating leases; rental and leasing of land, buildings other structures under operating leases; railage and transport-out; motor vehicle running expenditure; interest; insurance; customs duties; excise duties; advertising, marketing and promotions; utilities; royalties; repairs and maintenance; printing and stationery; telecommunication and ICT; security services; depreciation and amortisation; and other expenditure.

Other income

Other income includes: interest; sundry trading income relating to manufacturing activities; government subsidies and incentives received; rental, leasing and hiring; and other income.

Profit margin

Profit margin is derived as:

Net profit or loss after tax

divided by turnover

multiplied by 100

Salaries and wages

Salaries and wages includes: salaries and/or fees paid to directors, executives and managers; commissions paid; employer's contribution to pension, provident, medical aid, sick pay and other funds; payments made from South Africa to employees based abroad; payments for all types of leave; incentive payments for piecework or profit-sharing schemes; fringe benefits paid in cash; allowances and penalty payments; value of any salary sacrificed; and bonuses. Payments that were made during the reference period, but that relate to other pay periods.

Statistical unit

A unit about which statistics are tabulated, compiled or published. The statistical units are derived from and linked to the South African Revenue Service (SARS) administrative data.

Stratum

A stratum is constructed by concatenating the SIC classification and size group variables.

Turnover

Turnover includes:

- the value of sales;
- amounts received for work done;
- amounts received for services rendered;
- rent and/or lease payments received for land and buildings; and
- rent, leasing and hiring received for machinery, vehicles and other equipment.

Turnover excludes:

- value-added tax (VAT);
- net profit or loss on sales or revaluation of fixed assets (including profit or loss on foreign exchange);
- export freight charges;
- interest received; and
- excise duty.