

Manufacturing industry: Financial, 2014

**Embargoed until:
26 September 2016
11:30**

Statistics South Africa

PJ Lehohla
Statistician-General

Manufacturing industry: Financial, 2014/ Statistics South Africa

Published by Statistics South Africa, Private Bag X44, Pretoria 0001

© Statistics South Africa, 2016

Users may apply or process this data, provided Statistics South Africa (Stats SA) is acknowledged as the original source of the data; that it is specified that the application and/or analysis is the result of the user's independent processing of the data; and that neither the basic data nor any reprocessed version or application thereof may be sold or offered for sale in any form whatsoever without prior permission from Stats SA.

Stats SA Library Cataloguing-in-Publication (CIP) Data

Manufacturing industry: Financial, 2014 / Statistics South Africa, Pretoria: Statistics South Africa, 2016

[Report No. 30-02-03 (2014)]

79pp

ISBN: 978-0-621-44936-5

A complete set of Stats SA publications is available at Stats SA Library and the following libraries:

- National Library of South Africa, Pretoria Division
- National Library of South Africa, Cape Town Division
- Library of Parliament, Cape Town
- Bloemfontein Public Library
- Natal Society Library, Pietermaritzburg
- Johannesburg Public Library
- Eastern Cape Library Services, King William's Town
- Central Regional Library, Polokwane
- Central Reference Library, Mbombela
- Central Reference Collection, Kimberley
- Central Reference Library, Mmabatho

This report is available on the Stats SA website: www.statssa.gov.za

Copies are obtainable from: Printing and Distribution, Statistics South Africa

Tel: (012) 310 8093
(012) 310 8044
Email: inadp@statssa.gov.za
annelineb@statssa.gov.za

Technical enquiries:

Stanley Mashego: (012) 337 6252 (stanleyma@statssa.gov.za)
Mosa Tshekedi: (012) 310 4777 (mosat@statssa.gov.za)

Table of contents

1.	Introduction	1
1.1	Scope and coverage	1
1.2	Data items	1
1.3	Reference period	2
1.4	Current prices	2
1.5	Reliability of data	2
1.6	Confidentiality	2
2.	Summary of findings for the year 2014	3
2.1.	Income	3
	Table A – Income in the manufacturing industry, 2001 – 2014	3
	Table B – Concentration ratios for total income in the manufacturing industry, 2005 – 2014	4
	Table C – Profit margin in the manufacturing industry, 2005 – 2014	5
2.2.	Employment	6
	Table D – Employment as at the end of June in the manufacturing industry, 2005 – 2014	6
	Figure 1 – Income and employment by division (% contribution) in the manufacturing industry, 2014	7
	Figure 2 – Income and employment by enterprise size (% contribution) in the manufacturing industry, 2014	8
	Table E – Average salaries and wages in the manufacturing industry, 2005 – 2014	9
2.3.	Manufacturing industry value added	10
	Figure 3 – Manufacturing value added, annual percentage change (constant 2010 prices), 2005 – 2014	10
	Figure 4 – Percentage contribution of manufacturing to total value added (current prices), 2005 – 2014	10
2.4.	Capital expenditure on new assets	11
	Table F – Capital expenditure on new assets in the manufacturing industry, 2005 – 2014	11
2.5.	Selected provincial statistics	12
	Table G – Key statistics by province in the manufacturing industry, 2014	12
	Table H – Key statistics by district/metro in the manufacturing industry, 2014	13
3.	Tables	14
	Table 1 – Principal statistics in the manufacturing industry, 2011 and 2014	14
	Table 2 – Principal statistics by division in the manufacturing industry, 2011 and 2014	15
	Table 3 – Principal statistics in the manufacturing industry, 2014	17
	Table 4 – Profit margin in the manufacturing industry, 2011 and 2014	22

Table 5 – Profit margin in the manufacturing industry, 2014.....	23
Table 6 – Income in the manufacturing industry, 2011 and 2014	27
Table 7 – Income in the manufacturing industry, 2014	28
Table 8 – Income by enterprise size in the manufacturing industry, 2014	32
Table 9 – Concentration ratios for total income in the manufacturing industry, 2014.....	33
Table 10 – Expenditure in the manufacturing industry, 2011 and 2014	38
Table 11 – Expenditure in the manufacturing industry, 2014.....	39
Table 12 – Purchases in the manufacturing industry, 2011 and 2014	42
Table 13 – Purchases in the manufacturing industry, 2014	43
Table 14 – Details of capital expenditure on new assets in the manufacturing industry, 2011 and 2014	47
Table 15 – Details of capital expenditure on new assets in the manufacturing industry, 2014	48
Table 16 – Employment in the manufacturing industry as at the end of June, 2011 and 2014	52
Table 17 – Employment in the manufacturing industry as at the end of June 2014.....	53
Table 18 – Employment by enterprise size in the manufacturing industry as at the end of June 2014.....	58
Table 19 – Imports and exports in the manufacturing industry, 2011 and 2014.....	59
Table 20 – Key statistics by province in the manufacturing industry, 2014.....	60
Table 21 – Sales of goods and services by province and major economic activity in the manufacturing industry, 2014	61
Table 22 – Salaries and wages by province and major economic activity in the manufacturing industry, 2014.....	62
Table 23 – Employment by province and major economic activity in the manufacturing industry, 2014.....	63
Table 24 – Key statistics by district in the manufacturing industry, 2014	64
Table 25 – Information and communication technology usage in the manufacturing industry, 2014	66
Table 26 – Information and communication technology usage by enterprise size in the manufacturing industry, 2014	66
Explanatory notes	67
Table 27 – Size groups for the manufacturing industry, 2014.....	67
Table 28 – Confidence intervals (95%) for income in the manufacturing industry, 2014	68
Glossary.....	73

1. Introduction

This publication updates Statistical release P3002, *Manufacturing industry*, 2014, and provides details at the 4-digit SIC (*Standard Industrial Classification of all Economic Activities* (SIC), Fifth edition, Report No, 09-09-02). Details of the values and quantities of manufactured products sold and further details of purchases are published separately in *Manufacturing industry: Production*, 2014, Report No, 30-02-04.

The estimates presented here are derived from the results of the 2014 manufacturing large sample survey (LSS).

The previous manufacturing LSS was conducted in 2011 (Statistical release P3002 *Manufacturing industry*, 2011 and Reports No. 30-02-03 (2011) and 30-02-04 (2011)).

1.1 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:

- (i) Manufacture of food products and beverages (SIC 30).
- (ii) Manufacture of textiles, clothing, leather and footwear (SIC 31).
- (iii) Manufacture of wood and wood products, paper, publishing and printing (SIC 32).
- (iv) Manufacture of coke, petroleum, chemical products, rubber and plastic (SIC 33).
- (v) Manufacture of glass and other non-metallic mineral products (SIC 34).
- (vi) Manufacture of basic metals, metal products, machinery and equipment (SIC 35).
- (vii) Manufacture of electrical machinery and equipment (SIC 36).
- (viii) Manufacture of telecommunication and professional equipment (SIC 37).
- (ix) Manufacture of transport equipment (SIC 38).
- (x) Manufacture of furniture and 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.

1.2 Data items

The following categories of data items were collected: industrial classification, imports and exports, details of employment, income, expenditure, profit or loss, inventories, carrying value of assets.

1.3 Reference period

The questionnaires were completed for the financial year of the enterprise which ends on any date between 1 July 2013 and 30 June 2014, according to the usual reporting schedule of the enterprise.

Example

- 1 October 2012 – 30 September 2013
- 1 January 2013 – 31 December 2013
- 1 February 2013 – 31 January 2014
- 1 March 2013 – 28 February 2014
- 1 April 2013 – 31 March 2014

1.4 Current prices

The rand values are at current prices.

1.5 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 is.

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.

1.6 Confidentiality

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

2. Summary of findings for the year 2014

2.1. Income

Table A – Income in the manufacturing industry, 2001 – 2014

Type of manufacturer	2001		2005		2008		2011		2014	
	R million	% contribution	R million	% contribution	R million	% contribution	R million	% contribution	R million	% contribution
Division 30 - Food products and beverages	116 978	18,4	156 930	16,9	221 123	14,5	287 012	17,1	375 638	17,1
Division 31 - Textiles, clothing, leather and footwear	33 811	5,3	38 337	4,1	43 301	2,8	45 695	2,7	48 122	2,2
Division 32 - Wood, wood products, paper, publishing and printing	58 279	9,2	79 143	8,5	98 906	6,5	106 942	6,4	120 970	5,5
Division 33 - Coke, petroleum, chemical products, rubber and plastic	132 433	20,9	218 982	23,8	449 429	29,5	501 333	29,8	749 457	34,1
Division 34 - Glass and other non-metallic mineral products	18 844	3,0	31 161	3,4	48 550	3,2	52 826	3,2	64 858	3,0
Division 35 - Metals, metal products, machinery and equipment	135 213	21,3	188 090	20,3	311 606	20,4	313 331	18,7	365 853	16,6
Division 36 - Electrical machinery and apparatus	15 291	2,4	23 412	2,5	34 286	2,2	49 462	3,0	67 632	3,1
Division 37 - Telecommunication, medical and optical equipment and watches and clocks	7 546	1,2	8 716	0,9	12 873	0,8	14 499	0,9	16 279	0,7
Division 38 - Transport equipment	77 361	12,2	149 446	16,1	246 696	16,2	248 247	14,8	329 564	15,0
Division 39 - Furniture, other manufacturing and recycling	38 562	6,1	32 533	3,5	59 732	3,9	57 276	3,4	59 522	2,7
Total	634 318	100,0	926 750	100,0	1 526 502	100,0	1 676 623	100,0	2 197 895	100,0

(Source: Report No. 30-02-03)

The total income for the manufacturing industry in 2014 was R2 197,9 billion. The total income represents an increase of 9,4% per annum over the income reported in the corresponding survey of 2011 (R1 676,6 billion). Comparing 2011 and 2014, large increases were reported for 'coke, petroleum, chemical products, rubber and plastic' (+R248,1 billion), 'food products and beverages' (+R88,6 billion) and 'transport equipment' (+R81,3 billion).

Between 2001 and 2014, the 'coke, petroleum, chemical products, rubber and plastic' division gained the biggest percentage share of income (13,2 percentage points) (from a percentage contribution of 20,9% in 2001 to 34,1% in 2014). The 'metals, metal products, machinery and equipment' division lost the biggest percentage share (4,7 percentage points) in the same period (from 21,3% in 2001 to 16,6% in 2014).

Table B – Concentration ratios for total income in the manufacturing industry, 2005 – 2014

Concentration ratio (CR)	2005	2008	2011	2014
	%			
CR5	12,5	15,0	13,7	16,2
CR10	21,4	25,0	22,9	26,0
CR20	31,4	36,3	32,0	36,5
CR50	44,3	48,1	44,9	48,6
CR100	53,5	56,9	54,1	58,1

(Source: Report No. 30-02-03)

The top 5 enterprises in the manufacturing industry in 2014 contributed 16,2% to the total income. This is the highest concentration ratio of the top five enterprises (CR5) since 2005. 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. This illustrates the dominance of the top 100 enterprises in the manufacturing industry.

Table C – Profit margin in the manufacturing industry, 2005 – 2014

Type of manufacturer	Net profit/loss after tax				Turnover				Profit margin			
	2005	2008	2011	2014	2005	2008	2011	2014	2005	2008	2011	2014
	R million				R million				%			
Division 30 - Food products and beverages	8 946	16 210	14 750	14 734	152 516	209 818	273 223	364 120	5,9	7,7	5,4	4,0
Division 31 - Textiles, clothing, leather and footwear	799	406	1 112	1 619	37 821	42 327	43 854	46 225	2,1	1,0	2,5	3,5
Division 32 - Wood, wood products, paper, publishing and printing	7 074	6 967	3 903	7 067	68 417	84 290	92 185	115 812	10,3	8,3	4,2	6,1
Division 33 - Coke, petroleum, chemical products, rubber and plastic	16 490	39 856	26 153	39 267	219 798	416 879	485 136	731 597	7,5	9,6	5,4	5,4
Division 34 - Glass and other non-metallic mineral products	3 514	4 124	48	3 459	30 163	45 908	48 884	63 336	11,6	9,0	0,1	5,5
Division 35 - Metals, metal products, machinery and equipment	14 459	30 553	13 677	10 005	181 237	299 693	302 687	345 624	8,0	10,2	4,5	2,9
Division 36 - Electrical machinery and apparatus	1 172	2 376	3 159	2 811	21 657	33 513	48 297	66 288	5,4	7,1	6,5	4,2
Division 37 - Telecommunication, medical and optical equipment and watches and clocks	366	573	449	763	8 485	12 498	13 687	15 828	4,3	4,6	3,3	4,8
Division 38 - Transport equipment	8 292	10 050	9 941	8 930	143 598	232 019	239 170	308 908	5,8	4,3	4,2	2,9
Division 39 - Furniture, other manufacturing and recycling	2 598	3 837	4 598	5 329	43 804	51 973	55 163	56 414	5,9	7,4	8,3	9,4
Total	63 709	114 952	77 790	93 984	907 495	1 428 918	1 602 286	2 114 152	7,0	8,0	4,9	4,4

(Source: Report No. 30-02-03)

The profit margin for the manufacturing industry was 4,4% in 2014. 'Furniture, other manufacturing and recycling' had the highest profit margin at 9,4%, followed by 'wood, wood products, paper, publishing and printing' at 6,1% and 'glass and other non-metallic mineral products' at 5,5%. 'Transport equipment' and 'Metals, metal products, machinery and equipment' had the lowest profit margin at 2,9%.

Between 2005 and 2014 when manufacturing large sample surveys (LSSs) were conducted, the industry recorded the highest profit margin of 8,0% in 2008. The highest profit margin by a division was 'glass and other non-metallic mineral products' with 11,6% in 2005. 'Coke, petroleum, chemical products, rubber and plastic' is the only division which had profit margins higher than the overall profit margin in all the four years surveyed above.

2.2. Employment

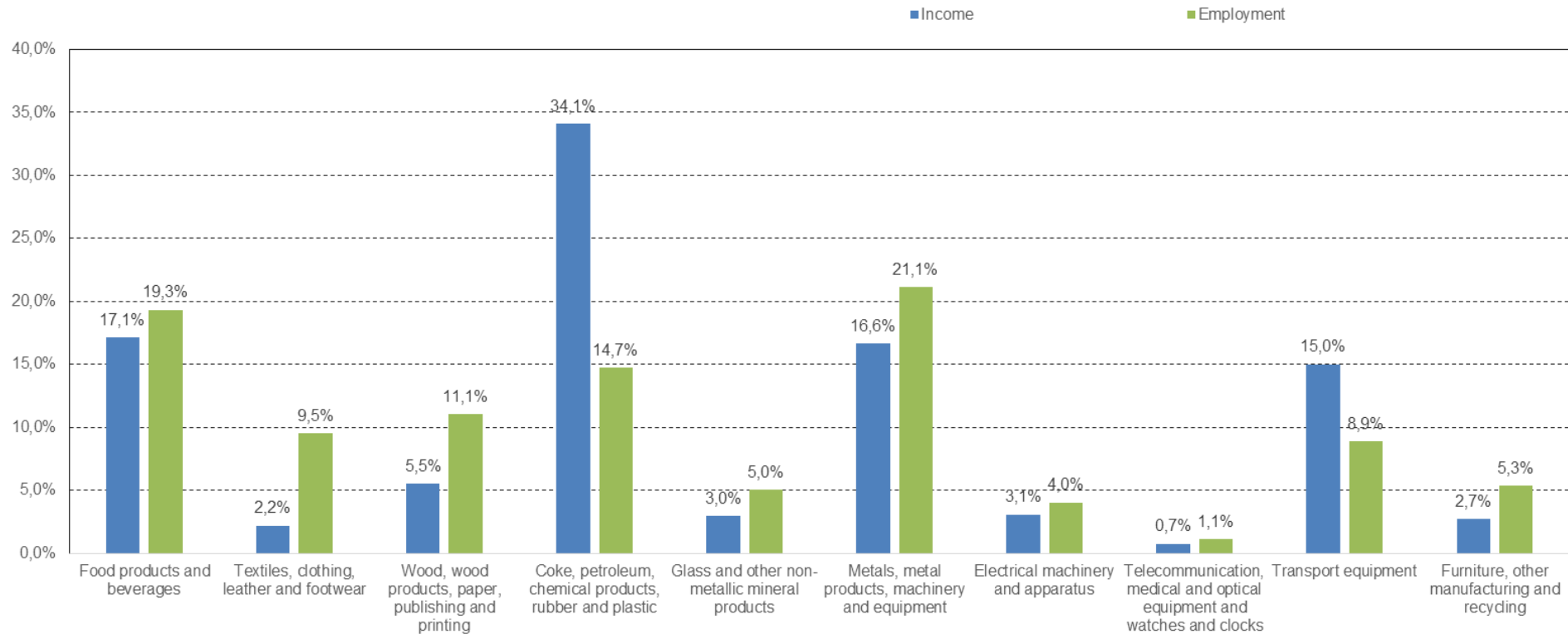
Table D – Employment as at the end of June in the manufacturing industry, 2005 – 2014

Type of manufacturer	2005		2008		2011		2014	
	Number '000	% contribution	Number '000	% contribution	Number '000	% contribution	Number '000	% contribution
Division 30 - Food products and beverages	282	19,7	192	14,3	223	17,2	230	19,3
Division 31 - Textiles, clothing, leather and footwear	204	14,2	169	12,6	127	9,8	113	9,5
Division 32 - Wood, wood products, paper, publishing and printing	147	10,3	159	11,8	139	10,7	132	11,1
Division 33 - Coke, petroleum, chemical products, rubber and plastic	155	10,8	171	12,7	179	13,8	175	14,7
Division 34 - Glass and other non-metallic mineral products	63	4,4	63	4,7	63	4,9	60	5,0
Division 35 - Metals, metal products, machinery and equipment	284	19,8	311	23,1	292	22,5	250	21,0
Division 36 - Electrical machinery and apparatus	52	3,6	41	3,1	51	3,9	48	4,0
Division 37 - Telecommunication, medical and optical equipment and watches and clocks	17	1,2	20	1,5	17	1,3	13	1,1
Division 38 - Transport equipment	135	9,4	132	9,8	124	9,6	105	8,9
Division 39 - Furniture, other manufacturing and recycling	96	6,7	86	6,4	82	6,3	64	5,3
Total	1 436	100,0	1 344	100,0	1 295	100,0	1 190	100,0

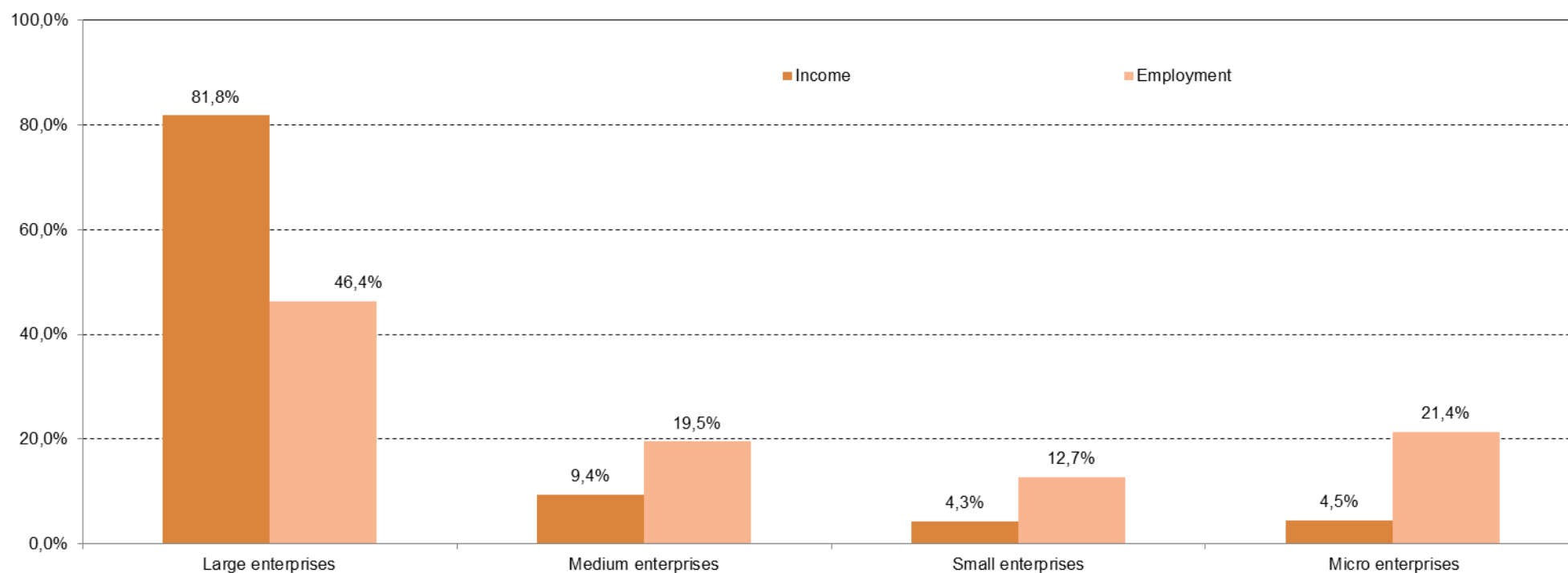
(Source: Report No. 30-02-03)

The total number of persons employed in the manufacturing industry as at the end of June 2014 was 1 190 000. The 'metals, metal products, machinery and equipment' division employed the largest number of persons (250 000 or 21,1%), followed by 'food products and beverages' (230 000 or 19,3%), 'coke, petroleum, chemical products, rubber and plastic' (175 000 or 14,7%) and 'wood, wood products, paper, publishing and printing' (132 000 or 11,1%).

Employment in the manufacturing industry has declined from a high of 1 436 000 in 2005 to a low of 1 190 000 in 2014 (a loss of 246 000 jobs). The biggest loss in employment was in 'textiles, clothing, leather and footwear' division (-91 000 jobs), followed by 'food products and beverages' (-52 000 jobs), 'metals, metal products, machinery and equipment' (-35 000 jobs), 'furniture, other manufacturing and recycling' (-32 000 jobs) and 'transport equipment' (-30 000 jobs). Employment was only created in the division 'coke, petroleum, chemical products, rubber and plastic' (+20 000 jobs).

Figure 1 – Income and employment by division (% contribution) in the manufacturing industry, 2014

The division with the highest proportion of employment compared with its proportion of income was 'textiles, clothing, leather and footwear' (contributing 9,5% of employment and 2,2% of income), followed by 'wood, wood products, paper, publishing and printing' (11,1% of employment and 5,5% of income) and 'furniture, other manufacturing and recycling' (5,3% of employment and 2,7% of income). Although the 'coke, petroleum, chemical products, rubber and plastic' division contributed 34,1% of the total income of the manufacturing industry in 2014, its contribution to employment was only 14,7%. The 'transport equipment' division is the only other division with a higher income contribution (15,0%) than its contribution to employment (8,9%).

Figure 2 – Income and employment by enterprise size (% contribution) in the manufacturing industry, 2014

Whereas large enterprises (those with turnover equal to or greater than R229,5 million) contributed 81,8% of the total income of the manufacturing industry in 2014, their contribution to employment was only 46,4%. 53,6% of the employment in the industry was created by small, medium and micro enterprises (SMMEs).

Table E – Average salaries and wages in the manufacturing industry, 2005 – 2014

Type of manufacturer	2005			2008			2011			2014		
	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	'000	Rands	R million	'000	Rands	R million	'000	Rands	R million	'000	Rands
Division 30 - Food products and beverages	17 431	282	61 722	20 353	192	106 222	27 880	223	125 281	35 659	230	155 094
Division 31 - Textiles, clothing, leather and footwear	8 184	204	40 089	8 069	169	47 770	8 517	127	67 034	7 860	113	69 443
Division 32 - Wood, wood products, paper, publishing and printing	13 218	147	89 714	16 848	159	105 866	18 395	139	132 792	20 611	132	156 616
Division 33 - Coke, petroleum, chemical products, rubber and plastic	19 352	155	125 069	26 401	171	154 289	36 232	179	202 866	46 647	175	265 871
Division 34 - Glass and other non-metallic mineral products	4 545	63	71 850	6 122	63	96 731	7 392	63	117 016	8 719	60	145 822
Division 35 - Metals, metal products, machinery and equipment	27 191	284	95 882	37 584	311	120 874	45 091	292	154 531	52 381	250	209 405
Division 36 - Electrical machinery and apparatus	4 364	52	83 849	5 232	41	126 658	8 465	51	166 860	11 824	48	246 760
Division 37 - Telecommunication, medical and optical equipment and watches and clocks	1 792	17	103 031	2 570	20	129 864	3 246	17	192 151	2 972	13	221 362
Division 38 - Transport equipment	11 831	135	87 416	17 169	132	129 918	21 557	124	174 198	24 403	105	231 607
Division 39 - Furniture, other manufacturing and recycling	5 805	96	60 742	6 335	86	73 736	8 024	82	97 858	7 270	64	114 240
Total	113 713	1 436	79 198	146 683	1 344	109 125	184 799	1 295	142 696	218 346	1 190	183 417

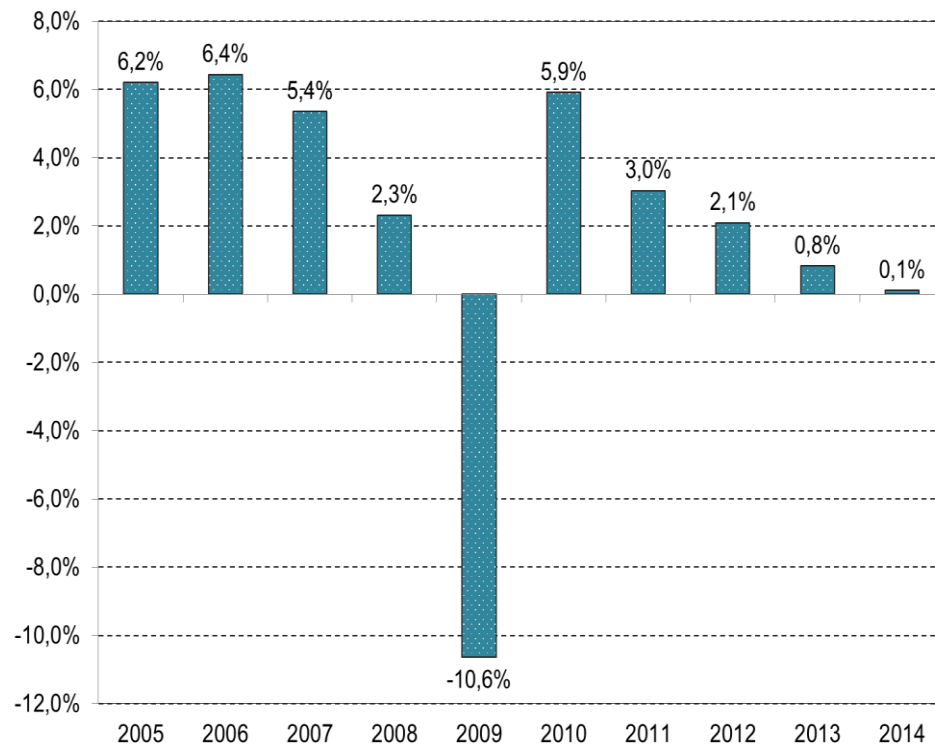
(Source: Report No. 30-02-03)

Total average salaries and wages in the manufacturing industry in 2014 was R183 417. The division with the highest average salaries and wages was 'coke, petroleum, chemical products, rubber and plastic' (R265 871), followed by 'electrical machinery and apparatus' (R246 760) and 'transport equipment' (R231 607). The division with the lowest average salaries and wages was 'textiles, clothing, leather and footwear' (R69 443).

Total average salaries and wages increased from R79 198 in 2005 to R183 417 in 2014, an annualised growth rate of 9,8%. The biggest increase was between the years 2005 and 2008 with an annualised increase of 11,3% (from R79 198 in 2005 to R109 125 in 2008).

2.3. Manufacturing industry value added

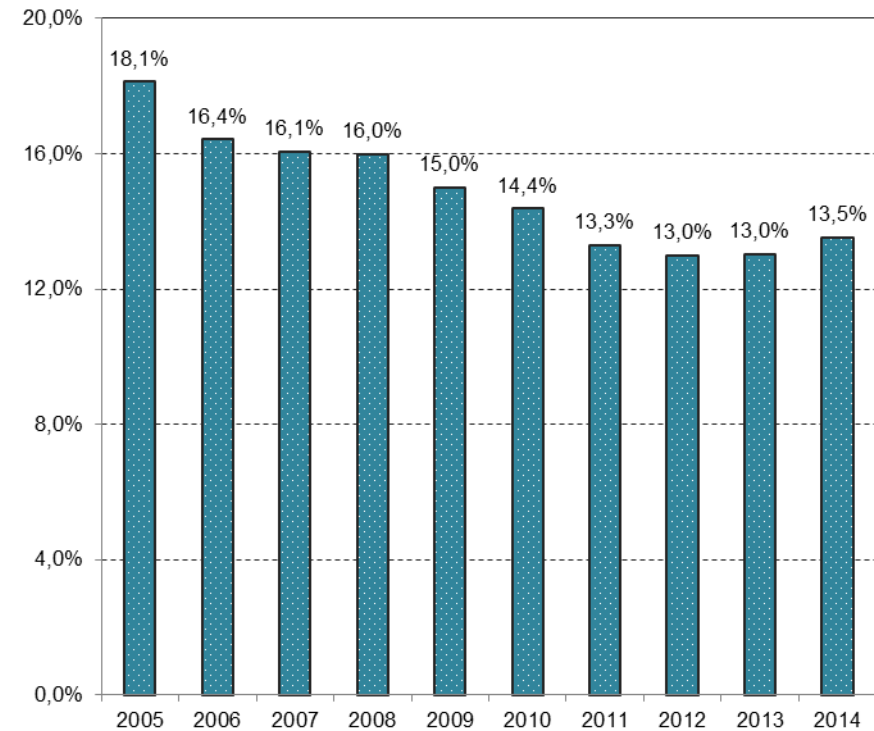
Figure 3 – Manufacturing value added, annual percentage change (constant 2010 prices), 2005 – 2014



(Source: P0441, GDP annual and regional tables 2016)

Annual manufacturing value added at constant 2010 prices increased from R330,3 billion in 2005 to R380,8 billion in 2014. During this period, the biggest increase was recorded between 2005 and 2006 (6,4%), followed by an increase between 2009 and 2010 (5,9%). There was one large decline that was recorded between 2008 and 2009 (-10,6%).

Figure 4 – Percentage contribution of manufacturing to total value added (current prices), 2005 – 2014



(Source: P0441, GDP annual and regional tables 2016)

Between the two survey years of 2011 and 2014, the contribution of the manufacturing industry to total value added increased from 13,0% to 13,5%.

The contribution of the manufacturing industry to total value added in 1993 was 21,3%. Since then, the largest contribution of the manufacturing industry to total value added was in 1995 (21,4%). The lowest contribution since 1993 was recorded in 2012 and 2013 at 13,0% (P0441, GDP annual and regional tables 2016).

2.4. Capital expenditure on new assets

Table F – Capital expenditure on new assets in the manufacturing industry, 2005 – 2014

Type of manufacturer	2005		2008		2011		2014	
	R million	% contribution	R million	% contribution	R million	% contribution	R million	% contribution
Division 30 - Food products and beverages	9 607	23,3	9 555	16,9	11 581	16,8	14 612	18,4
Division 31 - Textiles, clothing, leather and footwear	907	2,2	1 136	2,0	1 016	1,5	1 391	1,8
Division 32 - Wood, wood products, paper, publishing and printing	4 256	10,3	6 667	11,8	5 085	7,4	7 408	9,3
Division 33 - Coke, petroleum, chemical products, rubber and plastic	13 635	33,0	15 081	26,8	25 770	37,3	30 893	38,8
Division 34 - Glass and other non-metallic mineral products	1 114	2,7	3 840	6,8	3 140	4,6	3 462	4,4
Division 35 - Metals, metal products, machinery and equipment	4 900	11,9	9 637	17,1	10 445	15,2	8 824	11,1
Division 36 - Electrical machinery and apparatus	471	1,1	1 183	2,1	1 008	1,5	1 369	1,7
Division 37 - Telecommunication, medical and optical equipment and watches and clocks	156	0,4	231	0,4	441	0,6	302	0,4
Division 38 - Transport equipment	5 391	13,1	6 744	11,9	8 638	12,6	10 110	12,7
Division 39 - Furniture, other manufacturing and recycling	828	2,0	2 372	4,2	1 703	2,5	1 081	1,4
Total	41 263	100,0	56 446	100,0	68 827	100,0	79 452	100,0

(Source: Report No. 30-02-03)

The total capital expenditure on new assets in the manufacturing industry was R79,5 billion in 2014. The largest contributor to the total capital expenditure was 'coke, petroleum, chemical products, rubber and plastic' (R30,9 billion or 38,8%), followed by 'food products and beverages' (R14,6 billion or 18,4%), 'transport equipment' (R10,1 billion or 12,7%) and 'metals, metal products, machinery and equipment' (R8,8 billion or 11,1%).

The expenditure on new assets in 2014 represents an increase of 4,9% per annum from the expenditure reported in the corresponding survey of 2011 (R68,8 billion). Large increases were reported for 'coke, petroleum, chemical products, rubber and plastic' (+R5,1 billion), 'food products and beverages' (+R3,0 billion) and 'wood, wood products, paper, publishing and printing' (+R2,3 billion). The largest decrease was reported for 'metals, metal products, machinery and equipment' (-R1,6 billion).

2.5. Selected provincial statistics

Table G – Key statistics by province in the manufacturing industry, 2014

Province	Sales of goods and services (R million)	% contribution	Salaries and wages (R million)	% contribution	Employment (Number '000)	% contribution
Western Cape	444 722	21,0	35 048	16,1	225	18,9
Eastern Cape	162 538	7,7	16 581	7,6	85	7,2
Northern Cape	12 568	0,6	1 042	0,5	10	0,8
Free State	56 096	2,7	4 690	2,1	29	2,5
KwaZulu-Natal	345 084	16,3	33 226	15,2	228	19,2
North West	30 718	1,5	3 599	1,6	25	2,1
Gauteng	842 977	39,8	108 706	49,9	517	43,5
Mpumalanga	197 001	9,3	12 102	5,5	47	3,9
Limpopo	22 447	1,1	3 351	1,5	23	1,9
Total	2 114 152	100,0	218 346	100,0	1 190	100,0

(Source: Report No. 30-02-03)

The province with the largest income from sales of goods and services was 'Gauteng' with R843,0 billion (or 39,8% of industry total) in the manufacturing industry in 2014. The province with the second largest income from sales of goods and services was 'Western Cape' (R444,7 billion or 21,0%), followed by 'KwaZulu-Natal' (R345,1 billion or 16,3%) and 'Mpumalanga' (R197,0 billion or 9,3%).

In terms of employment, Gauteng was still the largest contributor with 517 000 (43,5%) persons working in the industry, followed by Kwazulu-Natal (228 000 or 19,2%), Western Cape (225 000 or 18,9%) and Eastern Cape (85 000 or 7,2%).

Table H – Key statistics by district/metro in the manufacturing industry, 2014

District/metro	Sales of goods and services (R million)	% contribution	Salaries and wages (R million)	% contribution	Employment (Number '000)	% contribution
City of Cape Town	366 199	17,3	25 101	11,5	157	13,2
City of Johannesburg	341 955	16,2	43 896	20,1	312	26,1
Ekurhuleni	268 844	12,7	37 363	17,1	115	9,7
eThekweni	228 697	10,8	21 958	10,1	156	13,1
City of Tshwane	145 722	6,9	14 250	6,5	54	4,5
Gert Sibande	135 871	6,4	7 052	3,2	18	1,5
Nelson Mandela Bay	111 334	5,3	12 711	5,8	61	5,2
Sedibeng	66 080	3,1	9 387	4,3	23	2,0
Cape Winelands	58 454	2,8	8 005	3,7	51	4,3
uMgungundlovu	45 848	2,2	4 163	1,9	25	2,1
Other districts	345 148	16,3	34 460	15,8	218	18,3
Total	2 114 152	100,0	218 346	100,0	1 190	100,0

(Source: Report No. 30-02-03)

The district/metro with the largest income from sales of goods and services was 'City of Cape Town' with R366,2 billion (or 17,3% of the industry total), followed by 'City of Johannesburg' (R342,0 billion or 16,2%), 'Ekurhuleni' (R268,8 billion or 12,7%), 'eThekweni' (R228,7 billion or 10,8%), 'City of Tshwane' (R145,7 billion or 6,9%), 'Gert Sibande' (R135,9 billion or 6,4%) and 'Nelson Mandela Bay' (R111,3 billion or 5,3%).

'City of Johannesburg' had the highest employment in manufacturing (312 000 or 26,1%), followed by 'City of Cape Town' (157 000 or 13,2%), 'eThekweni' (156 000 or 13,1%), 'Ekurhuleni' (115 000 or 9,7%), 'Nelson Mandela Bay' (61 000 or 5,2%) and 'Cape Winelands' (51 000 or 4,3%).

PJ Lehohla
Statistician-General

3. Tables

Table 1 – Principal statistics in the manufacturing industry, 2011 and 2014

Item	2011	2014	Annualised % change
	R million		
Total sales of own manufactured products	1 396 744	1 857 737	10,0
Total sales and services	1 602 146	2 114 152	9,7
Total income	1 676 623	2 197 895	9,4
Total expenditure	1 579 227	2 080 351	9,6
Net profit or loss before tax	115 255	135 704	5,6
Total opening inventory	184 751	259 344	12,0
Total closing inventory	202 610	277 504	11,1
Capital expenditure on new assets	68 827	79 452	4,9
Total salaries and wages	184 799	218 346	5,7
Total purchases	1 011 641	1 389 429	11,2
	Number		
Total employees	1 295 049	1 190 436	-2,8

Table 2 – Principal statistics by division in the manufacturing industry, 2011 and 2014

Type of manufacturer	Total income			Total expenditure			Net profit or loss before tax	
	2011	2014	Annualised % change	2011	2014	Annualised % change	2011	2014
	R million			R million			R million	
Division 30 - Food products and beverages	287 012	375 638	9,4	266 989	357 196	10,2	21 408	21 597
Division 31 - Textiles, clothing, leather and footwear	45 695	48 122	1,7	44 834	47 119	1,7	1 705	2 271
Division 32 - Wood, wood products, paper, publishing and printing	106 942	120 970	4,2	101 458	112 861	3,6	5 888	9 076
Division 33 - Coke, petroleum, chemical products, rubber and plastic	501 333	749 457	14,3	469 859	692 243	13,8	37 976	56 788
Division 34 - Glass and other non-metallic mineral products	52 826	64 858	7,1	51 941	59 461	4,6	1 046	5 616
Division 35 - Metals, metal products, machinery and equipment	313 331	365 853	5,3	296 962	357 395	6,4	20 343	14 423
Division 36 - Electrical machinery and apparatus	49 462	67 632	11,0	45 461	65 084	12,7	4 359	3 919
Division 37 - Telecommunication, medical and optical equipment and watches and clocks	14 499	16 279	3,9	13 836	15 867	4,7	726	1 079
Division 38 - Transport equipment	248 247	329 564	9,9	236 040	320 662	10,8	15 407	13 449
Division 39 - Furniture, other manufacturing and recycling	57 276	59 522	1,3	51 847	52 463	0,4	6 397	7 486
Total	1 676 623	2 197 895	9,4	1 579 227	2 080 351	9,6	115 255	135 704

Table 2 – Principal statistics by division in the manufacturing industry, 2011 and 2014 (concluded)

Type of manufacturer	Total opening inventory			Total closing inventory			Capital expenditure on new assets		
	2011	2014	Annualised % change	2011	2014	Annualised % change	2011	2014	Annualised % change
	R million			R million			R million		
Division 30 - Food products and beverages	26 249	34 018	9,0	27 634	37 173	10,4	11 581	14 612	8,1
Division 31 - Textiles, clothing, leather and footwear	7 080	8 968	8,2	7 924	10 236	8,9	1 016	1 391	11,0
Division 32 - Wood, wood products, paper, publishing and printing	9 481	11 731	7,4	9 885	12 698	8,7	5 085	7 408	13,4
Division 33 - Coke, petroleum, chemical products, rubber and plastic	48 518	85 870	21,0	55 020	85 444	15,8	25 770	30 893	6,2
Division 34 - Glass and other non-metallic mineral products	5 555	7 829	12,1	5 716	8 048	12,1	3 140	3 462	3,3
Division 35 - Metals, metal products, machinery and equipment	42 173	50 578	6,2	46 147	56 543	7,0	10 445	8 824	-5,5
Division 36 - Electrical machinery and apparatus	7 218	8 412	5,2	7 576	9 783	8,9	1 008	1 369	10,7
Division 37 - Telecommunication, medical and optical equipment and watches and clocks	2 287	1 931	-5,5	2 350	2 598	3,4	441	302	-11,9
Division 38 - Transport equipment	29 871	41 648	11,7	33 071	46 195	11,8	8 638	10 110	5,4
Division 39 - Furniture, other manufacturing and recycling	6 319	8 359	9,8	7 287	8 786	6,4	1 703	1 081	-14,1
Total	184 751	259 344	11,4	202 610	277 504	10,5	68 827	79 452	4,9

Table 3 – Principal statistics in the manufacturing industry, 2014

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	375 638	357 196	21 595	34 018	37 173	14 612
Production, processing and preserving of meat and meat products	37 054	36 792	597	1 189	1 524	814
Processing and preserving of fruit and vegetables	14 591	14 402	792	1 849	2 452	932
Manufacture of vegetable and animal oils and fats	25 078	24 712	468	2 568	2 671	451
Manufacture of dairy products	27 114	26 256	831	2 185	2 159	1 015
Manufacture of grain mill products, starches and starch products	42 391	41 370	1 488	3 467	3 934	2 003
Manufacture of prepared animal feeds	21 412	21 036	487	1 252	1 363	631
Manufacture of bakery products	24 807	24 534	558	1 669	1 954	1 003
Manufacture of sugar, cocoa, chocolate and sugar confectionery	40 918	39 613	1 475	4 126	4 296	1 689
Manufacture of macaroni, noodles, couscous and similar farinaceous and other food products n.e.c.	39 287	36 138	3 495	4 609	4 955	1 130
Manufacture of alcoholic and non-alcoholic beverages	102 986	92 343	11 404	11 104	11 865	4 944
Division 31 - Textiles, clothing, leather and footwear	48 122	47 119	2 274	8 968	10 236	1 391
Preparation and spinning of textile fibres and weaving and finishing of textiles	5 255	5 407	98	1 190	1 440	210
Manufacture of made-up textile articles, except apparel	4 733	4 562	297	1 627	1 754	109
Manufacture of carpets, rugs and mats	1 777	1 714	76	409	422	71
Manufacture of cordage, rope, twine and netting	922	854	97	103	133	37
Manufacture of other textiles	3 931	3 904	126	539	638	251
Manufacture of knitted and crocheted fabrics and articles	2 133	2 182	41	487	577	88
Manufacture of wearing apparel, except fur apparel	19 587	18 841	1 043	3 234	3 532	395
Dressing and dyeing of fur, manufacture of articles of fur, tanning and dressing of leather	4 506	4 514	169	571	749	94
Manufacture of luggage, handbags and the like, saddlery and harness	464	452	23	74	78	8
Manufacture of footwear	4 814	4 689	304	734	913	128

Table 3 – Principal statistics in the manufacturing industry, 2014 (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	120 970	112 861	9 078	11 731	12 698	7 408
Sawmilling and planing of wood	8 659	8 131	413	837	721	1 185
Manufacture of builders' carpentry and joinery	6 026	5 905	247	625	751	185
Manufacture of wooden containers	1 965	1 899	88	90	111	44
Manufacture of veneer sheets, plywood, other boards and other products of wood, articles of cork, straw and plaiting materials	8 027	7 396	668	853	890	256
Manufacture of corrugated paper and paperboard and of containers of paper and paperboard	19 043	17 971	1 377	1 826	2 131	680
Manufacture of pulp, paper and paperboard and other articles of paper and paperboard	26 769	24 977	2 038	3 337	3 583	3 172
Publishing of books, brochures, musical books, newspapers, journals, periodicals and other publications	27 529	25 250	2 349	1 574	1 643	758
Publishing of recorded media and other publishing	424	365	57	15	14	6
Printing	21 010	19 485	1 662	2 502	2 640	1 097
Service activities related to printing and reproduction of recorded media	1 518	1 482	179	72	214	25
Division 33 - Coke, petroleum, chemical products, rubber and plastic	749 457	692 243	56 788	85 870	85 444	30 893
Manufacture of coke oven products	3 458	3 308	204	211	265	103
Manufacture of petrol, fuel oils and other petroleum products n.e.c.	449 311	405 957	39 528	44 723	40 897	12 508
Processing of nuclear fuels and manufacture of basic chemicals, except fertilisers and nitrogen compounds	61 076	59 667	2 722	8 089	9 403	8 009
Manufacture of fertilisers and nitrogen compounds; and plastics in primary forms and synthetic rubber	45 743	43 774	1 917	6 693	6 642	2 428
Manufacture of paints, varnishes and similar coatings, printing ink and mastics	16 090	15 333	1 012	2 535	2 789	381
Manufacture of pharmaceuticals, medicinal chemicals and botanical products	24 398	23 673	1 019	5 136	5 430	1 858
Manufacture of soap and detergents, perfumes and toilet preparations	39 093	35 173	4 159	4 444	4 683	1 031
Manufacture of pesticides and other agro-chemical products and other chemical products n.e.c.	30 983	28 833	2 246	4 647	4 743	1 063
Manufacture of rubber tyres and tubes and retreading of tyres	14 056	14 176	344	2 132	2 595	492
Manufacture of man-made fibres and other rubber products	5 864	5 603	360	534	634	190
Manufacture of plastic products	59 385	56 746	3 277	6 726	7 363	2 830

Table 3 – Principal statistics in the manufacturing industry, 2014 (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 34 - Glass and other non-metallic mineral products	64 858	59 461	5 616	7 829	8 048	3 462
Manufacture of refractory ceramic products	2 062	1 950	101	364	353	81
Manufacture of structural non-refractory clay and ceramic products	4 501	4 178	313	403	393	184
Manufacture of cement, lime and plaster and articles of concrete, cement and plaster	37 225	33 500	3 969	2 635	2 880	1 698
Manufacture of glass and glass products, non-structural non-refractory ceramicware, cutting and shaping of stone and other non-metallic mineral products n.e.c.	21 070	19 833	1 233	4 427	4 422	1 499
Division 35 - Metals, metal products, machinery and equipment	365 853	357 395	14 426	50 578	56 543	8 824
Manufacture of basic iron and steel	92 929	91 907	3 738	16 457	19 172	1 215
Manufacture of basic precious and non-ferrous metals	58 078	62 028	-3 114	8 857	9 693	1 076
Manufacture of structural metal products	35 102	33 945	1 182	2 699	2 724	603
Treatment and coating of metals; general mechanical engineering	16 218	15 578	814	1 541	1 715	632
Manufacture of cutlery, hand tools and general hardware	2 741	2 623	175	472	530	66
Casting of iron, steel and non-ferrous metals; manufacture of tanks, reservoirs and similar containers of metal; forging, pressing, stamping and roll-forming of metal; powder metallurgy and manufacture of other fabricated metal products	45 485	43 598	2 814	5 305	6 231	1 302
Manufacture of engines and turbines, except aircraft, vehicle and motor cycle engines	2 144	2 113	132	222	323	37
Manufacture of pumps, compressors, taps and valves	13 156	12 255	969	1 934	2 002	286
Manufacture of ovens, furnaces and furnace burners	416	388	45	45	61	21
Manufacture of lifting and handling equipment	5 884	5 483	480	591	670	185
Manufacture of steam generators, household appliances and other general purpose machinery	31 415	29 200	2 628	3 124	3 537	1 705
Manufacture of agricultural and forestry machinery	3 371	3 076	446	395	546	91
Manufacture of machine tools	2 302	2 294	-11	212	193	406
Manufacture of machinery for mining, quarrying, construction and metallurgy	32 814	30 688	2 292	5 574	5 740	524

Table 3 – Principal statistics in the manufacturing industry, 2014 (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 machinery for food, beverage and tobacco processing	3 161	3 129	162	314	444	96
Manufacture of machinery for textile and leather production, weapons and ammunition and other special purpose machinery	20 637	19 090	1 674	2 836	2 962	579
Division 36 - Electrical machinery and apparatus	67 632	65 084	3 916	8 412	9 783	1 369
Manufacture of electric motors, generators and transformers	20 780	20 149	1 203	2 365	2 937	387
Manufacture of electricity distribution and control apparatus	12 362	11 594	843	1 404	1 480	173
Manufacture of insulated wire and cable	13 865	13 456	681	1 966	2 238	418
Manufacture of accumulators, primary cells, batteries, electric lamps and lighting equipment	5 766	5 586	245	644	710	105
Manufacture of bearings, gears, gearing, driving elements and other electrical equipment	14 859	14 299	944	2 033	2 418	286
Division 37 - Telecommunication, medical and optical equipment and watches and clocks	16 279	15 867	1 078	1 931	2 598	302
Manufacture of electronic valves and tubes, television and radio transmitters and receivers, sound or video recording, line telephony apparatus and other electronic components	8 761	8 883	309	910	1 342	138
Manufacture of medical and surgical equipment and orthopaedic appliances	1 252	1 076	217	161	202	32
Manufacture of instruments and appliances for measuring, testing, navigating and industrial process control equipment	4 571	4 246	374	583	633	63
Manufacture of watches and clocks, optical instruments and photographic equipment	1 695	1 662	178	277	421	69

Table 3 – Principal statistics in the manufacturing industry, 2014 (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					
Division 38 - Transport equipment	329 564	320 662	13 450	41 648	46 195	10 110
Manufacture of bodies (coachwork) for motor vehicles, trailers and semi-trailers	10 000	9 324	796	1 776	1 896	332
Manufacture of parts for motor vehicles and their engines	60 082	58 260	2 215	6 692	7 085	3 068
Building and repairing of ships	2 460	2 387	105	65	97	42
Building and repairing of pleasure and sporting boats	524	566	-51	42	34	9
Manufacture of aircraft	7 728	7 440	204	1 421	1 336	87
Manufacture of motor vehicles; railway and tramway locomotives and rolling stock; motor cycles; bicycles; invalid carriages and other transport equipment	248 770	242 685	10 181	31 652	35 747	6 572
Division 39 - Furniture, other manufacturing and recycling	59 522	52 463	7 484	8 359	8 786	1 081
Manufacture of furniture	13 602	13 033	725	1 382	1 538	274
Manufacture of jewellery and related articles	9 266	9 399	40	1 948	2 121	81
Manufacture of musical instruments, sports goods, games and toys	666	651	31	78	95	17
Manufacture of tobacco products and other manufacturing n.e.c.	22 342	16 128	6 480	4 049	4 315	397
Recycling of waste and scrap n.e.c.	13 646	13 252	208	902	717	312
Total	2 197 895	2 080 351	135 705	259 344	277 504	79 452

Table 4 – Profit margin in the manufacturing industry, 2011 and 2014

Type of manufacturer	Net profit or loss after tax		Turnover ¹			Profit margin ²	
	2011	2014	2011	2014	Annualised % change	2011	2014
	R million					%	
Division 30 - Food products and beverages	14 750	14 734	273 223	364 120	10,0	5,4	4,0
Division 31 - Textiles, clothing, leather and footwear	1 112	1 619	43 854	46 225	1,8	2,5	3,5
Division 32 - Wood, wood products, paper, publishing and printing	3 903	7 067	92 185	115 812	7,9	4,2	6,1
Division 33 - Coke, petroleum, chemical products, rubber and plastic	26 153	39 267	485 136	731 597	14,7	5,4	5,4
Division 34 - Glass and other non-metallic mineral products	48	3 459	48 884	63 336	9,0	0,1	5,5
Division 35 - Metals, metal products, machinery and equipment	13 677	10 005	302 687	345 624	4,5	4,5	2,9
Division 36 - Electrical machinery and apparatus	3 159	2 811	48 297	66 288	11,1	6,5	4,2
Division 37 - Telecommunication, medical and optical equipment and watches and clocks	449	763	13 687	15 828	5,0	3,3	4,8
Division 38 - Transport equipment	9 941	8 930	239 170	308 908	8,9	4,2	2,9
Division 39 - Furniture, other manufacturing and recycling	4 598	5 329	55 163	56 414	0,8	8,3	9,4
Total	77 790	93 984	1 602 286	2 114 152	9,7	4,9	4,4

¹ In 2014, turnover does not include rental income. Rental income in 2011 made up 0,2% of the total turnover.

² Net profit after tax divided by turnover multiplied by 100.

Table 5 – Profit margin in the manufacturing industry, 2014

Type of manufacturer	Net profit or loss after tax	Turnover ¹	Profit margin ²
	R million		%
Division 30 - Food products and beverages	14 734	364 120	4,0
Production, processing and preserving of meat and meat products	317	36 570	0,9
Processing and preserving of fruit and vegetables	536	14 187	3,8
Manufacture of vegetable and animal oils and fats	361	23 183	1,6
Manufacture of dairy products	613	26 946	2,3
Manufacture of grain mill products, starches and starch products	1 069	41 808	2,6
Manufacture of prepared animal feeds	350	18 159	1,9
Manufacture of bakery products	387	24 501	1,6
Manufacture of sugar, cocoa, chocolate and sugar confectionery	1 022	40 208	2,5
Manufacture of macaroni, noodles, couscous and similar farinaceous and other food products n.e.c.	2 510	38 168	6,6
Manufacture of alcoholic and non-alcoholic beverages	7 569	100 390	7,5
Division 31 - Textiles, clothing, leather and footwear	1 619	46 225	3,5
Preparation and spinning of textile fibres and weaving and finishing of textiles	2	4 983	0,0
Manufacture of made-up textile articles, except apparel	231	4 353	5,3
Manufacture of carpets, rugs and mats	43	1 704	2,5
Manufacture of cordage, rope, twine and netting	71	892	8,0
Manufacture of other textiles	74	3 803	1,9
Manufacture of knitted and crocheted fabrics and articles	22	2 030	1,1
Manufacture of wearing apparel, except fur apparel	777	18 918	4,1
Dressing and dyeing of fur, manufacture of articles of fur, tanning and dressing of leather	142	4 395	3,2
Manufacture of luggage, handbags and the like, saddlery and harness	19	447	4,3
Manufacture of footwear	238	4 700	5,1

¹ In 2014, turnover does not include rental income. Rental income in 2011 made up 0,2% of the total turnover.

² Net profit after tax divided by turnover multiplied by 100.

Table 5 – Profit margin in the manufacturing industry, 2014 (continued)

Type of manufacturer	Net profit or loss after tax	Turnover ¹	Profit margin ²
	R million		%
Division 32 - Wood, wood products, paper, publishing and printing	7 067	115 812	6,1
Sawmilling and planing of wood	311	8 428	3,7
Manufacture of builders' carpentry and joinery	176	5 929	3,0
Manufacture of wooden containers	67	1 912	3,5
Manufacture of veneer sheets, plywood, other boards and other products of wood, articles of cork, straw and plaiting materials	533	7 753	6,9
Manufacture of corrugated paper and paperboard and of containers of paper and paperboard	1 075	18 840	5,7
Manufacture of pulp, paper and paperboard and other articles of paper and paperboard	1 924	26 250	7,3
Publishing of books, brochures, musical books, newspapers, journals, periodicals and other publications	1 539	24 530	6,3
Publishing of recorded media and other publishing	45	388	11,6
Printing	1 249	20 287	6,2
Service activities related to printing and reproduction of recorded media	148	1 495	9,9
Division 33 - Coke, petroleum, chemical products, rubber and plastic	39 267	731 597	5,4
Manufacture of coke oven products	155	3 337	4,6
Manufacture of petrol, fuel oils and other petroleum products n.e.c.	27 837	441 415	6,3
Processing of nuclear fuels and manufacture of basic chemicals, except fertilisers and nitrogen compounds	1 908	57 583	3,3
Manufacture of fertilisers and nitrogen compounds; and plastics in primary forms and synthetic rubber	1 292	44 064	2,9
Manufacture of paints, varnishes and similar coatings, printing ink and mastics	686	15 826	4,3
Manufacture of pharmaceuticals, medicinal chemicals and botanical products	74	24 016	0,3
Manufacture of soap and detergents, perfumes and toilet preparations	2 948	38 163	7,7
Manufacture of pesticides and other agro-chemical products and other chemical products n.e.c.	1 600	30 143	5,3
Manufacture of rubber tyres and tubes and retreading of tyres	199	13 612	1,5
Manufacture of man-made fibres and other rubber products	265	5 589	4,7
Manufacture of plastic products	2 303	57 849	4,0

¹ In 2014, turnover does not include rental income. Rental income in 2011 made up 0,2% of the total turnover.

² Net profit after tax divided by turnover multiplied by 100.

Table 5 – Profit margin in the manufacturing industry, 2014 (continued)

Type of manufacturer	Net profit or loss after tax	Turnover ¹	Profit margin ²
	R million		%
Division 34 - Glass and other non-metallic mineral products	3 459	63 336	5,5
Manufacture of refractory ceramic products	57	2 012	2,8
Manufacture of structural non-refractory clay and ceramic products	217	4 409	4,9
Manufacture of cement, lime and plaster and articles of concrete, cement and plaster	2 462	36 292	6,8
Manufacture of glass and glass products, non-structural non-refractory ceramicware, cutting and shaping of stone and other non-metallic mineral products n.e.c.	723	20 623	3,5
Division 35 - Metals, metal products, machinery and equipment	10 005	345 624	2,9
Manufacture of basic iron and steel	3 606	81 647	4,4
Manufacture of basic precious and non-ferrous metals	-3 307	56 414	-5,9
Manufacture of structural metal products	729	33 045	2,2
Treatment and coating of metals; general mechanical engineering	571	15 928	3,6
Manufacture of cutlery, hand tools and general hardware	123	2 707	4,5
Casting of iron, steel and non-ferrous metals; manufacture of tanks, reservoirs and similar containers of metal; forging, pressing, stamping and roll-forming of metal; powder metallurgy and manufacture of other fabricated metal products	1 940	44 442	4,4
Manufacture of engines and turbines, except aircraft, vehicle and motor cycle engines	88	2 035	4,3
Manufacture of pumps, compressors, taps and valves	704	12 962	5,4
Manufacture of ovens, furnaces and furnace burners	32	411	7,8
Manufacture of lifting and handling equipment	319	5 691	5,6
Manufacture of steam generators, household appliances and other general purpose machinery	1 925	30 520	6,3
Manufacture of agricultural and forestry machinery	383	3 285	11,7
Manufacture of machine tools	-24	2 263	-1,1
Manufacture of machinery for mining, quarrying, construction and metallurgy	1 624	31 484	5,2
Manufacture of machinery for food, beverage and tobacco processing	101	3 029	3,3
Manufacture of machinery for textile and leather production, weapons and ammunition and other special purpose machinery	1 191	19 761	6,0

¹ In 2014, turnover does not include rental income. Rental income in 2011 made up 0,2% of the total turnover.

² Net profit after tax divided by turnover multiplied by 100.

Table 5 – Profit margin in the manufacturing industry, 2014 (concluded)

Type of manufacturer	Net profit or loss after tax	Turnover ¹	Profit margin ²
	R million		%
Division 36 - Electrical machinery and apparatus	2 811	66 288	4,2
Manufacture of electric motors, generators and transformers	878	20 453	4,3
Manufacture of electricity distribution and control apparatus	578	12 128	4,8
Manufacture of insulated wire and cable	490	13 644	3,6
Manufacture of accumulators, primary cells, batteries, electric lamps and lighting equipment	168	5 560	3,0
Manufacture of bearings, gears, gearing, driving elements and other electrical equipment	697	14 503	4,8
Division 37 - Telecommunication, medical and optical equipment and watches and clocks	763	15 828	4,8
Manufacture of electronic valves and tubes, television and radio transmitters and receivers, sound or video recording, line telephony apparatus and other electronic components	249	8 564	2,9
Manufacture of medical and surgical equipment and orthopaedic appliances	160	1 201	13,3
Manufacture of instruments and appliances for measuring, testing, navigating and industrial process control equipment	234	4 468	5,2
Manufacture of watches and clocks, optical instruments and photographic equipment	120	1 595	7,5
Division 38 - Transport equipment	8 930	308 908	2,9
Manufacture of bodies (coachwork) for motor vehicles, trailers and semi-trailers	609	9 817	6,2
Manufacture of parts for motor vehicles and their engines	1 430	58 609	2,4
Building and repairing of ships	69	2 401	2,9
Building and repairing of pleasure and sporting boats	-43	506	-8,5
Manufacture of aircraft	69	7 513	0,9
Manufacture of motor vehicles; railway and tramway locomotives and rolling stock; motor cycles; bicycles; invalid carriages and other transport equipment	6 796	230 062	3,0
Division 39 - Furniture, other manufacturing and recycling	5 329	56 414	9,4
Manufacture of furniture	619	13 069	4,7
Manufacture of jewellery and related articles	41	9 055	0,5
Manufacture of musical instruments, sports goods, games and toys	13	640	2,0
Manufacture of tobacco products and other manufacturing n.e.c.	4 541	20 173	22,5
Recycling of waste and scrap n.e.c.	115	13 477	0,9
Total	93 984	2 114 152	4,4

¹ In 2014, turnover does not include rental income. Rental income in 2011 made up 0,2% of the total turnover.

² Net profit after tax divided by turnover multiplied by 100.

Table 6 – Income in the manufacturing industry, 2011 and 2014

Type of manufacturer	Sales of goods			Income from services rendered			Other income			Total income		
	2011	2014	Annualised % change	2011	2014	Annualised % change	2011	2014	Annualised % change	2011	2014	Annualised % change
	R million			R million			R million			R million		
Division 30 - Food products and beverages	268 356	359 549	10,2	4 865	4 570	-2,1	13 791	11 519	-5,8	287 012	375 638	9,4
Division 31 - Textiles, clothing, leather and footwear	42 437	43 398	0,7	1 414	2 828	26,0	1 844	1 896	0,9	45 695	48 122	1,7
Division 32 - Wood, wood products, paper, publishing and printing	91 111	112 397	7,2	1 072	3 416	47,2	14 759	5 157	-29,6	106 942	120 970	4,2
Division 33 - Coke, petroleum, chemical products, rubber and plastic	456 048	694 350	15,0	29 088	37 245	8,6	16 197	17 862	3,3	501 333	749 457	14,3
Division 34 - Glass and other non-metallic mineral products	48 190	62 275	8,9	693	1 062	15,3	3 943	1 521	-27,2	52 826	64 858	7,1
Division 35 - Metals, metal products, machinery and equipment	277 917	324 485	5,3	24 767	21 139	-5,1	10 647	20 229	23,9	313 331	365 853	5,3
Division 36 - Electrical machinery and apparatus	43 106	58 195	10,5	5 191	8 094	16,0	1 165	1 343	4,9	49 462	67 632	11,0
Division 37 - Telecommunication, medical and optical equipment and watches and clocks	12 195	14 374	5,6	1 492	1 455	-0,8	812	450	-17,9	14 499	16 279	3,9
Division 38 - Transport equipment	224 044	293 817	9,5	15 126	15 089	-0,1	9 077	20 658	31,5	248 247	329 564	9,9
Division 39 - Furniture, other manufacturing and recycling	53 701	55 260	1,0	1 333	1 162	-4,5	2 242	3 100	11,4	57 276	59 522	1,3
Total	1 517 105	2 018 100	10,0	85 041	96 060	4,1	74 477	83 735	4,0	1 676 623	2 197 895	1,3

Table 7 – Income in the manufacturing industry, 2014

Type of manufacturer	Sales of goods	Income from services rendered	Other income	Total income
	R million			
Division 30 - Food products and beverages	359 549	4 570	11 519	375 638
Production, processing and preserving of meat and meat products	36 208	362	484	37 054
Processing and preserving of fruit and vegetables	14 033	153	405	14 591
Manufacture of vegetable and animal oils and fats	23 126	58	1 894	25 078
Manufacture of dairy products	25 830	1 116	168	27 114
Manufacture of grain mill products, starches and starch products	41 638	170	583	42 391
Manufacture of prepared animal feeds	18 113	45	3 254	21 412
Manufacture of bakery products	24 459	42	306	24 807
Manufacture of sugar, cocoa, chocolate and sugar confectionery	39 755	453	710	40 918
Manufacture of macaroni, noodles, couscous and similar farinaceous and other food products n.e.c.	36 220	1 948	1 119	39 287
Manufacture of alcoholic and non-alcoholic beverages	100 167	223	2 596	102 986
Division 31 - Textiles, clothing, leather and footwear	43 398	2 828	1 896	48 122
Preparation and spinning of textile fibres and weaving and finishing of textiles	4 714	268	273	5 255
Manufacture of made-up textile articles, except apparel	4 287	67	379	4 733
Manufacture of carpets, rugs and mats	1 704	0	73	1 777
Manufacture of cordage, rope, twine and netting	886	6	30	922
Manufacture of other textiles	3 778	25	128	3 931
Manufacture of knitted and crocheted fabrics and articles	1 994	36	103	2 133
Manufacture of wearing apparel, except fur apparel	16 566	2 352	669	19 587
Dressing and dyeing of fur, manufacture of articles of fur, tanning and dressing of leather	4 333	62	111	4 506
Manufacture of luggage, handbags and the like, saddlery and harness	447	0	17	464
Manufacture of footwear	4 689	12	113	4 814

Table 7 – Income in the manufacturing industry, 2014 (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	112 397	3 416	5 157	120 970
Sawmilling and planing of wood	8 208	221	230	8 659
Manufacture of builders' carpentry and joinery	5 906	23	97	6 026
Manufacture of wooden containers	1 859	53	53	1 965
Manufacture of veneer sheets, plywood, other boards and other products of wood, articles of cork, straw and plaiting materials	7 723	30	274	8 027
Manufacture of corrugated paper and paperboard and of containers of paper and paperboard	18 838	2	203	19 043
Manufacture of pulp, paper and paperboard and other articles of paper and paperboard	26 082	169	518	26 769
Publishing of books, brochures, musical books, newspapers, journals, periodicals and other publications	22 653	1 877	2 999	27 529
Publishing of recorded media and other publishing	388	0	36	424
Printing	19 334	953	723	21 010
Service activities related to printing and reproduction of recorded media	1 406	88	24	1 518
Division 33 - Coke, petroleum, chemical products, rubber and plastic	694 350	37 245	17 862	749 457
Manufacture of coke oven products	3 183	154	121	3 458
Manufacture of petrol, fuel oils and other petroleum products n.e.c.	408 027	33 388	7 896	449 311
Processing of nuclear fuels and manufacture of basic chemicals, except fertilisers and nitrogen compounds	57 291	291	3 494	61 076
Manufacture of fertilisers and nitrogen compounds; and plastics in primary forms and synthetic rubber	43 578	485	1 680	45 743
Manufacture of paints, varnishes and similar coatings, printing ink and mastics	15 786	40	264	16 090
Manufacture of pharmaceuticals, medicinal chemicals and botanical products	23 882	134	382	24 398
Manufacture of soap and detergents, perfumes and toilet preparations	37 974	189	930	39 093
Manufacture of pesticides and other agro-chemical products and other chemical products n.e.c.	28 278	1 865	840	30 983
Manufacture of rubber tyres and tubes and retreading of tyres	13 547	65	444	14 056
Manufacture of man-made fibres and other rubber products	5 363	225	276	5 864
Manufacture of plastic products	57 441	409	1 535	59 385

Table 7 – Income in the manufacturing industry, 2014 (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	62 275	1 062	1 521	64 858
Manufacture of refractory ceramic products	2 002	10	50	2 062
Manufacture of structural non-refractory clay and ceramic products	4 124	285	92	4 501
Manufacture of cement, lime and plaster and articles of concrete, cement and plaster	35 750	543	932	37 225
Manufacture of glass and glass products, non-structural non-refractory ceramicware, cutting and shaping of stone and other non-metallic mineral products n.e.c.	20 399	224	447	21 070
Division 35 - Metals, metal products, machinery and equipment	324 485	21 139	20 229	365 853
Manufacture of basic iron and steel	79 756	1 892	11 281	92 929
Manufacture of basic precious and non-ferrous metals	54 392	2 022	1 664	58 078
Manufacture of structural metal products	32 530	514	2 058	35 102
Treatment and coating of metals; general mechanical engineering	12 207	3 721	290	16 218
Manufacture of cutlery, hand tools and general hardware	2 595	111	35	2 741
Casting of iron, steel and non-ferrous metals; manufacture of tanks, reservoirs and similar containers of metal; forging, pressing, stamping and roll-forming of metal; powder metallurgy and manufacture of other fabricated metal products	44 241	201	1 043	45 485
Manufacture of engines and turbines, except aircraft, vehicle and motor cycle engines	1 913	122	109	2 144
Manufacture of pumps, compressors, taps and valves	11 325	1 637	194	13 156
Manufacture of ovens, furnaces and furnace burners	349	62	5	416
Manufacture of lifting and handling equipment	5 040	651	193	5 884
Manufacture of steam generators, household appliances and other general purpose machinery	26 882	3 639	894	31 415
Manufacture of agricultural and forestry machinery	2 788	497	86	3 371
Manufacture of machine tools	2 191	73	38	2 302
Manufacture of machinery for mining, quarrying, construction and metallurgy	28 988	2 496	1 330	32 814
Manufacture of machinery for food, beverage and tobacco processing	2 440	588	133	3 161
Manufacture of machinery for textile and leather production, weapons and ammunition and other special purpose machinery	16 848	2 913	876	20 637

Table 7 – Income in the manufacturing industry, 2014 (concluded)

Type of manufacturer	Sales of goods	Income from services rendered	Other income	Total income
	R million			
Division 36 - Electrical machinery and apparatus	58 195	8 094	1 343	67 632
Manufacture of electric motors, generators and transformers	14 827	5 626	327	20 780
Manufacture of electricity distribution and control apparatus	10 756	1 372	234	12 362
Manufacture of insulated wire and cable	13 235	410	220	13 865
Manufacture of accumulators, primary cells, batteries, electric lamps and lighting equipment	5 546	14	206	5 766
Manufacture of bearings, gears, gearing, driving elements and other electrical equipment	13 831	672	356	14 859
Division 37 - Telecommunication, medical and optical equipment and watches and clocks	14 374	1 455	450	16 279
Manufacture of electronic valves and tubes, television and radio transmitters and receivers, sound or video recording, line telephony apparatus and other electronic components	7 990	574	197	8 761
Manufacture of medical and surgical equipment and orthopaedic appliances	1 119	82	51	1 252
Manufacture of instruments and appliances for measuring, testing, navigating and industrial process control equipment	3 763	706	102	4 571
Manufacture of watches and clocks, optical instruments and photographic equipment	1 502	93	100	1 695
Division 38 - Transport equipment	293 817	15 089	20 658	329 564
Manufacture of bodies (coachwork) for motor vehicles, trailers and semi-trailers	9 371	446	183	10 000
Manufacture of parts for motor vehicles and their engines	53 561	1 835	4 686	60 082
Building and repairing of ships	448	1 069	943	2 460
Building and repairing of pleasure and sporting boats	358	71	95	524
Manufacture of aircraft	798	5 251	1 679	7 728
Manufacture of motor vehicles; railway and tramway locomotives and rolling stock; motor cycles; bicycles; invalid carriages and other transport equipment	180 031	6 417	62 322	248 770
Division 39 - Furniture, other manufacturing and recycling	55 260	1 162	3 100	59 522
Manufacture of furniture	14 513	179	-1 090	13 602
Manufacture of jewellery and related articles	7 431	43	1 792	9 266
Manufacture of musical instruments, sports goods, games and toys	649	8	9	666
Manufacture of tobacco products and other manufacturing n.e.c.	22 088	234	20	22 342
Recycling of waste and scrap n.e.c.	10 579	698	2 369	13 646
Total	2 018 100	96 060	83 735	2 197 895

Table 8 – Income by enterprise size in the manufacturing industry, 2014

Type of manufacturer	Large enterprises	Medium enterprises	Small enterprises	Micro enterprises	Total
	R million				
Division 30 - Food products and beverages	319 473	35 403	11 591	9 171	375 638
Division 31 - Textiles, clothing, leather and footwear	20 424	15 256	5 852	6 590	48 122
Division 32 - Wood, wood products, paper, publishing and printing	77 423	21 083	10 050	12 414	120 970
Division 33 - Coke, petroleum, chemical products, rubber and plastic	685 534	37 158	15 171	11 594	749 457
Division 34 - Glass and other non-metallic mineral products	45 128	10 367	4 772	4 591	64 858
Division 35 - Metals, metal products, machinery and equipment	246 891	53 529	29 410	36 023	365 853
Division 36 - Electrical machinery and apparatus	46 357	12 239	4 758	4 278	67 632
Division 37 - Telecommunication, medical and optical equipment and watches and clocks	10 308	3 180	1 423	1 368	16 279
Division 38 - Transport equipment	306 062	11 900	5 096	6 506	329 564
Division 39 - Furniture, other manufacturing and recycling	39 836	7 113	6 099	6 474	59 522
Total	1 797 439	207 228	94 222	99 006	2 197 895

Table 9 – Concentration ratios for total income in the manufacturing industry, 2014

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	375 637	96 735	25,8	135 554	36,1	187 130	49,8
Production, processing and preserving of meat and meat products	37 054	9 816	26,5	14 651	39,5	19 894	53,7
Processing and preserving of fruit and vegetables	14 591	6 746	46,2	8 732	59,8	10 818	74,1
Manufacture of vegetable and animal oils and fats	25 078	17 827	71,1	22 873	91,2	24 967	99,6
Manufacture of dairy products	27 114	16 863	62,2	19 997	73,8	23 473	86,6
Manufacture of grain mill products, starches and starch products	42 391	28 863	68,1	32 284	76,2	36 505	86,1
Manufacture of prepared animal feeds	21 412	11 470	53,6	13 673	63,9	16 680	77,9
Manufacture of bakery products	24 807	18 754	75,6	19 803	79,8	21 160	85,3
Manufacture of sugar, cocoa, chocolate and sugar confectionery	40 918	32 089	78,4	38 660	94,5	40 370	98,7
Manufacture of macaroni, noodles, couscous and similar farinaceous and other food products n.e.c.	39 287	19 267	49,0	23 848	60,7	27 281	69,4
Manufacture of alcoholic and non-alcoholic beverages	102 986	77 721	75,5	86 363	83,9	92 534	89,9
Division 31 - Textiles, clothing, leather and footwear	48 120	6 839	14,2	10 507	21,8	14 730	30,6
Preparation and spinning of textile fibres and weaving and finishing of textiles	5 255	2 103	40,0	2 872	54,7	3 871	73,7
Manufacture of made-up textile articles, except apparel	4 733	1 717	36,3	2 397	50,7	3 162	66,8
Manufacture of carpets, rugs and mats	1 777	1 368	77,0	1 628	91,6	1 687	94,9
Manufacture of cordage, rope, twine and netting	922	669	72,6	821	89,1	919	99,8
Manufacture of other textiles	3 931	1 464	37,3	2 228	56,7	3 017	76,7
Manufacture of knitted and crocheted fabrics and articles	2 133	903	42,4	1 298	60,9	1 735	81,4
Manufacture of wearing apparel, except fur apparel	19 587	5 633	28,8	7 505	38,3	9 804	50,1
Dressing and dyeing of fur, manufacture of articles of fur, tanning and dressing of leather	4 506	3 172	70,4	3 887	86,3	4 321	95,9
Manufacture of luggage, handbags and the like, saddlery and harness	464	131	28,1	192	41,4	262	56,6
Manufacture of footwear	4 814	2 258	46,9	2 888	60,0	3 711	77,1

³These figures reflect the income of the 5, 10 and 20 largest enterprises respectively, and not the column totals.

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

Table 9 – Concentration ratios for total income in the manufacturing industry, 2014 (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	120 970	35 692	29,5	48 878	40,4	58 587	48,4
Sawmilling and planing of wood	8 659	2 880	33,3	4 473	51,7	5 723	66,1
Manufacture of builders' carpentry and joinery	6 026	1 845	30,6	2 412	40,0	3 123	51,8
Manufacture of wooden containers	1 965	581	29,5	952	48,5	1 317	67,0
Manufacture of veneer sheets, plywood, other boards and other products of wood, articles of cork, straw and plaiting materials	8 027	4 983	62,1	5 366	66,8	5 937	74,0
Manufacture of corrugated paper and paperboard and of containers of paper and paperboard	19 043	9 312	48,9	11 912	62,6	14 494	76,1
Manufacture of pulp, paper and paperboard and other articles of paper and paperboard	26 769	17 489	65,3	19 464	72,7	21 355	79,8
Publishing of books, brochures, musical books, newspapers, journals, periodicals and other publications	27 529	19 540	71,0	21 632	78,6	23 627	85,8
Publishing of recorded media and other publishing	424	164	38,6	254	60,0	290	68,5
Printing	21 010	9 396	44,7	10 904	51,9	12 655	60,2
Service activities related to printing and reproduction of recorded media	1 518	1 187	78,2	1 321	87,0	1 450	95,6
Division 33 - Coke, petroleum, chemical products, rubber and plastic	749 456	355 417	47,4	486 300	64,9	552 074	73,7
Manufacture of coke oven products	3 458	2 662	77,0	3 156	91,3	3 458	100,0
Manufacture of petrol, fuel oils and other petroleum products n.e.c.	449 311	355 417	79,1	440 660	98,1	447 022	99,5
Processing of nuclear fuels and manufacture of basic chemicals, except fertilisers and nitrogen compounds	61 076	40 533	66,4	46 764	76,6	53 839	88,2
Manufacture of fertilisers and nitrogen compounds; and plastics in primary forms and synthetic rubber	45 743	34 655	75,8	38 888	85,0	42 237	92,3
Manufacture of paints, varnishes and similar coatings, printing ink and mastics	16 090	5 768	35,8	7 823	48,6	10 608	65,9
Manufacture of pharmaceuticals, medicinal chemicals and botanical products	24 398	15 745	64,5	18 132	74,3	20 407	83,6
Manufacture of soap and detergents, perfumes and toilet preparations	39 093	23 132	59,2	28 812	73,7	32 960	84,3
Manufacture of pesticides and other agro-chemical products and other chemical products n.e.c.	30 983	16 447	53,1	20 883	67,4	25 858	83,5

³These figures reflect the income of the 5, 10 and 20 largest enterprises respectively, and not the column totals.

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

Table 9 – Concentration ratios for total income in the manufacturing industry, 2014 (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 rubber tyres and tubes and retreading of tyres	14 056	12 886	91,7	13 574	96,6	13 926	99,1
Manufacture of man-made fibres and other rubber products	5 864	2 411	41,1	3 266	55,7	4 135	70,5
Manufacture of plastic products	59 385	21 812	36,7	24 909	41,9	29 362	49,4
Division 34 - Glass and other non-metallic mineral products	64 858	28 331	43,7	36 610	56,4	42 006	64,8
Manufacture of refractory ceramic products	2 062	1 416	68,7	1 633	79,2	1 793	86,9
Manufacture of structural non-refractory clay and ceramic products	4 501	2 287	50,8	2 857	63,5	3 533	78,5
Manufacture of cement, lime and plaster and articles of concrete, cement and plaster	37 225	19 637	52,8	22 907	61,5	26 415	71,0
Manufacture of glass and glass products, non-structural non-refractory ceramicware, cutting and shaping of stone and other non-metallic mineral products n.e.c.	21 070	15 506	73,6	16 611	78,8	18 029	85,6
Division 35 - Metals, metal products, machinery and equipment	370 128	80 801	21,8	110 988	30,0	142 949	38,6
Manufacture of basic iron and steel	92 929	60 368	65,0	74 916	80,6	82 177	88,4
Manufacture of basic precious and non-ferrous metals	58 078	34 301	59,1	42 564	73,3	51 194	88,1
Manufacture of structural metal products	35 102	5 603	16,0	8 876	25,3	12 886	36,7
Treatment and coating of metals; general mechanical engineering	16 218	2 406	14,8	4 045	24,9	5 778	35,6
Manufacture of cutlery, hand tools and general hardware	2 741	1 345	49,1	1 663	60,7	2 026	73,9
Casting of iron, steel and non-ferrous metals; manufacture of tanks, reservoirs and similar containers of metal; forging, pressing, stamping and roll-forming of metal; powder metallurgy and manufacture of other fabricated metal products	45 485	18 256	40,1	20 607	45,3	23 993	52,7
Manufacture of engines and turbines, except aircraft, vehicle and motor cycle engines	2 144	1 645	76,7	1 882	87,8	2 080	97,0
Manufacture of pumps, compressors, taps and valves	13 156	4 733	36,0	6 091	46,3	7 708	58,6
Manufacture of ovens, furnaces and furnace burners	416	291	69,8	376	90,4	416	100,0
Manufacture of lifting and handling equipment	5 884	1 611	27,4	2 198	37,4	2 983	50,7

³These figures reflect the income of the 5, 10 and 20 largest enterprises respectively, and not the column totals.

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

Table 9 – Concentration ratios for total income in the manufacturing industry, 2014 (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 steam generators, household appliances and other general purpose machinery	31 415	11 062	35,2	16 085	51,2	19 586	62,3
Manufacture of agricultural and forestry machinery	3 371	907	26,9	1 381	41,0	1 812	53,8
Manufacture of machine tools	2 302	480	20,9	630	27,4	836	36,3
Manufacture of machinery for mining, quarrying, construction and metallurgy	32 814	13 955	42,5	17 277	52,7	21 187	64,6
Manufacture of machinery for food, beverage and tobacco processing	3 161	1 680	53,1	2 252	71,3	2 695	85,3
Manufacture of machinery for textile and leather production, weapons and ammunition and other special purpose machinery	20 637	10 235	49,6	12 258	59,4	13 856	67,1
Division 36 - Electrical machinery and apparatus	63 356	24 343	38,4	33 060	52,2	41 634	65,7
Manufacture of electric motors, generators and transformers	20 780	15 769	75,9	17 607	84,7	18 668	89,8
Manufacture of electricity distribution and control apparatus	12 362	7 993	64,7	8 892	71,9	9 944	80,4
Manufacture of insulated wire and cable	13 865	10 502	75,7	12 515	90,3	13 688	98,7
Manufacture of accumulators, primary cells, batteries, electric lamps and lighting equipment	5 766	3 766	65,3	4 398	76,3	5 103	88,5
Manufacture of bearings, gears, gearing, driving elements and other electrical equipment	14 859	4 559	30,7	6 642	44,7	8 882	59,8
Division 37 - Telecommunication, medical and optical equipment and watches and clocks	16 278	5 701	35,0	8 045	49,4	10 802	66,4
Manufacture of electronic valves and tubes, television and radio transmitters and receivers, sound or video recording, line telephony apparatus and other electronic components	8 761	5 540	63,2	7 018	80,1	7 914	90,3
Manufacture of medical and surgical equipment and orthopaedic appliances	1 252	515	41,2	712	56,9	930	74,3
Manufacture of instruments and appliances for measuring, testing, navigating and industrial process control equipment	4 571	2 210	48,3	3 246	71,0	3 979	87,1
Manufacture of watches and clocks, optical instruments and photographic equipment	1 695	1 437	84,8	1 590	93,8	1 691	99,7

³These figures reflect the income of the 5, 10 and 20 largest enterprises respectively, and not the column totals.

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

Table 9 – Concentration ratios for total income in the manufacturing industry, 2014 (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	%
Division 38 - Transport equipment	329 565	187 015	56,7	237 371	72,0	264 658	80,3
Manufacture of bodies (coachwork) for motor vehicles, trailers and semi-trailers	10 000	3 968	39,7	5 496	55,0	6 923	69,2
Manufacture of parts for motor vehicles and their engines	60 082	19 003	31,6	28 403	47,3	38 041	63,3
Building and repairing of ships	2 460	1 591	64,7	2 061	83,8	2 355	95,7
Building and repairing of pleasure and sporting boats	524	308	58,7	409	78,0	507	96,7
Manufacture of aircraft	7 728	6 188	80,1	6 896	89,2	7 254	93,9
Manufacture of motor vehicles; railway and tramway locomotives and rolling stock; motor cycles; bicycles; invalid carriages and other transport equipment	248 770	187 015	75,2	232 850	93,6	241 783	97,2
Division 39 - Furniture, other manufacturing and recycling	59 522	23 333	39,2	28 008	47,1	34 120	57,3
Manufacture of furniture	13 602	4 141	30,4	5 094	37,5	6 344	46,6
Manufacture of jewellery and related articles	9 266	3 781	40,8	6 120	66,1	7 705	83,1
Manufacture of musical instruments, sports goods, games and toys	666	380	57,1	476	71,5	575	86,4
Manufacture of tobacco products and other manufacturing n.e.c.	22 342	15 888	71,1	17 897	80,1	18 996	85,0
Recycling of waste and scrap n.e.c.	13 646	9 761	71,5	11 140	81,6	12 256	89,8
Total	2 197 895	355 417	16,2	570 302	25,9	802 217	36,5

³These figures reflect the income of the 5, 10 and 20 largest enterprises respectively, and not the column totals.

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

Table 10 – Expenditure in the manufacturing industry, 2011 and 2014

Type of manufacturer	Purchases			Salaries and wages paid			Other expenditure			Total expenditure		
	2011	2014	Annualised % change	2011	2014	Annualised % change	2011	2014	Annualised % change	2011	2014	Annualised % change
	R million			R million			R million			R million		
Division 30 - Food products and beverages	167 304	223 820	10,2	27 880	35 659	8,5	71 805	97 717	10,8	266 989	357 196	10,2
Division 31 - Textiles, clothing, leather and footwear	25 695	29 611	4,8	8 517	7 860	-2,6	10 622	9 648	-3,2	44 834	47 119	1,7
Division 32 - Wood, wood products, paper, publishing and printing	49 710	62 421	7,9	18 395	20 611	3,9	33 353	29 829	-3,7	101 458	112 861	3,6
Division 33 - Coke, petroleum, chemical products, rubber and plastic	320 589	499 886	16,0	36 232	46 647	8,8	113 038	145 710	8,8	469 859	692 243	13,8
Division 34 - Glass and other non-metallic mineral products	24 188	32 438	10,3	7 392	8 719	5,7	20 361	18 304	-3,5	51 941	59 461	4,6
Division 35 - Metals, metal products, machinery and equipment	189 909	226 998	6,1	45 091	52 381	5,1	61 962	78 016	8,0	296 962	357 395	6,4
Division 36 - Electrical machinery and apparatus	28 503	41 934	13,7	8 465	11 824	11,8	8 493	11 326	10,1	45 461	65 084	12,7
Division 37 - Telecommunication, medical and optical equipment and watches and clocks	7 345	9 196	7,8	3 246	2 972	-2,9	3 245	3 699	4,5	13 836	15 867	4,7
Division 38 - Transport equipment	167 314	230 931	11,3	21 557	24 403	4,2	47 169	65 328	11,5	236 040	320 662	10,8
Division 39 - Furniture, other manufacturing and recycling	31 084	32 194	1,2	8 024	7 270	-3,2	12 739	12 999	0,7	51 847	52 463	0,4
Total	1 011 641	1 389 429	11,2	184 799	218 346	5,7	382 787	472 576	7,3	1 579 227	2 080 351	9,6

Table 11 – Expenditure in the manufacturing industry, 2014

Type of manufacturer	Purchases	Salaries and wages paid	Other expenditure	Total expenditure
	R million			
Division 30 - Food products and beverages	223 820	35 659	97 717	357 196
Production, processing and preserving of meat and meat products	29 726	2 288	4 778	36 792
Processing and preserving of fruit and vegetables	8 734	1 779	3 889	14 402
Manufacture of vegetable and animal oils and fats	21 914	540	2 258	24 712
Manufacture of dairy products	17 040	3 142	6 074	26 256
Manufacture of grain mill products, starches and starch products	28 534	3 977	8 859	41 370
Manufacture of prepared animal feeds	14 965	1 423	4 648	21 036
Manufacture of bakery products	14 365	3 410	6 759	24 534
Manufacture of sugar, cocoa, chocolate and sugar confectionery	24 226	5 520	9 867	39 613
Manufacture of macaroni, noodles, couscous and similar farinaceous and other food products n.e.c.	21 467	4 630	10 041	36 138
Manufacture of alcoholic and non-alcoholic beverages	42 849	8 950	40 544	92 343
Division 31 - Textiles, clothing, leather and footwear	29 611	7 860	9 648	47 119
Preparation and spinning of textile fibres and weaving and finishing of textiles	3 464	702	1 241	5 407
Manufacture of made-up textile articles, except apparel	2 551	891	1 120	4 562
Manufacture of carpets, rugs and mats	963	322	429	1 714
Manufacture of cordage, rope, twine and netting	432	211	211	854
Manufacture of other textiles	2 514	554	836	3 904
Manufacture of knitted and crocheted fabrics and articles	1 284	377	521	2 182
Manufacture of wearing apparel, except fur apparel	11 741	3 334	3 766	18 841
Dressing and dyeing of fur, manufacture of articles of fur, tanning and dressing of leather	3 458	453	603	4 514
Manufacture of luggage, handbags and the like, saddlery and harness	249	125	78	452
Manufacture of footwear	2 955	891	843	4 689
Division 32 - Wood, wood products, paper, publishing and printing	62 421	20 611	29 829	112 861
Sawmilling and planing of wood	5 719	946	1 466	8 131
Manufacture of builders' carpentry and joinery	3 612	1 094	1 199	5 905
Manufacture of wooden containers	1 258	298	343	1 899
Manufacture of veneer sheets, plywood, other boards and other products of wood, articles of cork, straw and plaiting materials	3 547	1 238	2 611	7 396
Manufacture of corrugated paper and paperboard and of containers of paper and paperboard	12 880	2 066	3 025	17 971
Manufacture of pulp, paper and paperboard and other articles of paper and paperboard	14 468	3 546	6 963	24 977
Publishing of books, brochures, musical books, newspapers, journals, periodicals and other publications	8 951	7 009	9 290	25 250
Publishing of recorded media and other publishing	155	94	116	365
Printing	10 854	4 069	4 562	19 485
Service activities related to printing and reproduction of recorded media	977	251	254	1 482

Table 11 – Expenditure in the manufacturing industry, 2014 (continued)

Type of manufacturer	Purchases	Salaries and wages paid	Other expenditure	Total expenditure
	R million			
Division 33 - Coke, petroleum, chemical products, rubber and plastic	499 886	46 647	145 710	692 243
Manufacture of coke oven products	2 360	288	660	3 308
Manufacture of petrol, fuel oils and other petroleum products n.e.c .	325 385	8 751	71 821	405 957
Processing of nuclear fuels and manufacture of basic chemicals, except fertilisers and nitrogen compounds	35 431	7 315	16 921	59 667
Manufacture of fertilisers and nitrogen compounds; and plastics in primary forms and synthetic rubber	31 934	3 518	8 322	43 774
Manufacture of paints, varnishes and similar coatings, printing ink and mastics	10 086	2 431	2 816	15 333
Manufacture of pharmaceuticals, medicinal chemicals and botanical products	12 268	4 127	7 278	23 673
Manufacture of soap and detergents, perfumes and toilet preparations	19 367	3 951	11 855	35 173
Manufacture of pesticides and other agro-chemical products and other chemical products n.e.c.	17 650	3 579	7 604	28 833
Division 34 - Glass and other non-metallic mineral products	32 438	8 719	18 304	59 461
Manufacture of refractory ceramic products	1 226	391	333	1 950
Manufacture of structural non-refractory clay and ceramic products	2 088	849	1 241	4 178
Manufacture of cement, lime and plaster and articles of concrete, cement and plaster	19 865	4 239	9 396	33 500
Manufacture of glass and glass products, non-structural non-refractory ceramicware, cutting and shaping of stone and other non-metallic mineral products n.e.c.	9 259	3 240	7 334	19 833
Division 35 - Metals, metal products, machinery and equipment	226 998	52 381	78 016	357 395
Manufacture of basic iron and steel	57 906	10 190	23 811	91 907
Manufacture of basic precious and non-ferrous metals	44 838	3 904	13 286	62 028
Manufacture of structural metal products	22 290	5 772	5 883	33 945
Treatment and coating of metals; general mechanical engineering	9 086	3 409	3 083	15 578
Manufacture of cutlery, hand tools and general hardware	1 334	740	549	2 623
Casting of iron, steel and non-ferrous metals; manufacture of tanks, reservoirs and similar containers of metal; forging, pressing, stamping and roll-forming of metal; powder metallurgy and manufacture of other fabricated metal products	28 524	6 757	8 317	43 598
Manufacture of engines and turbines, except aircraft, vehicle and motor cycle engines	1 120	591	402	2 113
Manufacture of pumps, compressors, taps and valves	7 269	2 776	2 210	12 255
Manufacture of ovens, furnaces and furnace burners	190	104	94	388
Manufacture of lifting and handling equipment	3 114	1 345	1 024	5 483
Manufacture of steam generators, household appliances and other general purpose machinery	17 817	4 879	6 504	29 200
Manufacture of agricultural and forestry machinery	1 996	534	546	3 076
Manufacture of machine tools	989	859	446	2 294
Manufacture of machinery for mining, quarrying, construction and metallurgy	19 003	5 802	5 883	30 688
Manufacture of machinery for food, beverage and tobacco processing	2 153	601	375	3 129
Manufacture of machinery for textile and leather production, weapons and ammunition and other special purpose machinery	9 369	4 118	5 603	19 090

Table 11 – Expenditure in the manufacturing industry, 2014 (concluded)

Type of manufacturer	Purchases	Salaries and wages paid	Other expenditure	Total expenditure
	R million			
Division 36 - Electrical machinery and apparatus	41 934	11 824	11 326	65 084
Manufacture of electric motors, generators and transformers	10 925	5 014	4 210	20 149
Manufacture of electricity distribution and control apparatus	7 976	1 901	1 717	11 594
Manufacture of insulated wire and cable	10 237	1 363	1 856	13 456
Manufacture of accumulators, primary cells, batteries, electric lamps and lighting equipment	3 686	921	979	5 586
Manufacture of bearings, gears, gearing, driving elements and other electrical equipment	9 110	2 625	2 564	14 299
Division 37 - Telecommunication, medical and optical equipment and watches and clocks	9 196	2 972	3 699	15 867
Manufacture of electronic valves and tubes, television and radio transmitters and receivers, sound or video recording, line telephony apparatus and other electronic components	5 776	1 282	1 825	8 883
Manufacture of medical and surgical equipment and orthopaedic appliances	533	303	240	1 076
Manufacture of instruments and appliances for measuring, testing, navigating and industrial process control equipment	2 301	972	973	4 246
Manufacture of watches and clocks, optical instruments and photographic equipment	586	415	661	1 662
Division 38 - Transport equipment	230 931	24 403	65 328	320 662
Manufacture of bodies (coachwork) for motor vehicles, trailers and semi-trailers	6 732	1 460	1 132	9 324
Manufacture of parts for motor vehicles and their engines	44 619	5 937	7 704	58 260
Building and repairing of ships	1 374	467	546	2 387
Building and repairing of pleasure and sporting boats	328	122	116	566
Manufacture of aircraft	4 088	2 219	1 133	7 440
Manufacture of motor vehicles; railway and tramway locomotives and rolling stock; motor cycles; bicycles; invalid carriages and other transport equipment	173 790	14 198	54 697	242 685
Division 39 - Furniture, other manufacturing and recycling	32 194	7 270	12 999	52 463
Manufacture of furniture	7 475	2 825	2 733	13 033
Manufacture of jewellery and related articles	7 752	772	875	9 399
Manufacture of musical instruments, sports goods, games and toys	349	136	166	651
Manufacture of tobacco products and other manufacturing n.e.c.	7 426	2 338	6 364	16 128
Recycling of waste and scrap n.e.c.	9 192	1 199	2 861	13 252
Total	1 389 429	218 346	472 576	2 080 351

Table 12 – Purchases in the manufacturing industry, 2011 and 2014

Type of manufacturer	Raw materials			Finished goods for resale			Other purchases			Total purchases		
	2011	2014	Annualised % change	2011	2014	Annualised % change	2011	2014	Annualised % change	2011	2014	Annualised % change
	R million			R million			R million			R million		
Division 30 - Food products and beverages	138 708	192 695	11,6	6 292	6 481	1,0	22 304	24 644	3,4	167 304	223 820	10,2
Division 31 - Textiles, clothing, leather and footwear	22 405	24 839	3,5	2 479	1 901	-8,5	811	2 871	52,4	25 695	29 611	4,8
Division 32 - Wood, wood products, paper, publishing and printing	44 219	55 908	8,1	2 845	3 488	7,0	2 646	3 025	4,6	49 710	62 421	7,9
Division 33 - Coke, petroleum, chemical products, rubber and plastic	287 568	465 896	17,4	20 555	21 734	1,9	12 466	12 256	-0,6	320 589	499 886	16,0
Division 34 - Glass and other non-metallic mineral products	17 914	28 554	16,8	894	515	-16,8	5 380	3 369	-14,4	24 188	32 438	10,3
Division 35 - Metals, metal products, machinery and equipment	173 498	204 108	5,6	7 291	11 984	18,0	9 120	10 906	6,1	189 909	226 998	6,1
Division 36 - Electrical machinery and apparatus	25 362	36 583	13,0	2 511	4 558	22,0	630	793	8,0	28 503	41 934	13,7
Division 37 - Telecommunication, medical and optical equipment and watches and clocks	6 521	8 474	9,1	721	393	-18,3	103	329	47,3	7 345	9 196	7,8
Division 38 - Transport equipment	134 261	165 825	7,3	29 306	60 120	27,1	3 747	4 986	10,0	167 314	230 931	11,3
Division 39 - Furniture, other manufacturing and recycling	28 710	30 010	1,5	779	755	-1,0	1 595	1 429	-3,6	31 084	32 194	1,2
Total	879 166	1 212 892	11,3	73 673	111 929	15,0	58 802	64 608	3,2	1 011 641	1 389 429	11,2

Table 13 – Purchases in the manufacturing industry, 2014

Type of manufacturer	Raw materials	Finished goods for resale	Other purchases	Total purchases
	R million			
Division 30 - Food products and beverages	192 695	6 481	24 644	223 820
Production, processing and preserving of meat and meat products	28 123	235	1 368	29 726
Processing and preserving of fruit and vegetables	7 156	238	1 340	8 734
Manufacture of vegetable and animal oils and fats	21 191	190	533	21 914
Manufacture of dairy products	13 419	224	3 397	17 040
Manufacture of grain mill products, starches and starch products	26 708	347	1 479	28 534
Manufacture of prepared animal feeds	14 312	362	291	14 965
Manufacture of bakery products	11 086	428	2 851	14 365
Manufacture of sugar, cocoa, chocolate and sugar confectionery	20 471	672	3 083	24 226
Manufacture of macaroni, noodles, couscous and similar farinaceous and other food products n.e.c.	16 816	1 470	3 181	21 467
Manufacture of alcoholic and non-alcoholic beverages	33 413	2 315	7 121	42 849
Division 31 - Textiles, clothing, leather and footwear	24 839	1 901	2 871	29 611
Preparation and spinning of textile fibres and weaving and finishing of textiles	2 855	446	163	3 464
Manufacture of made-up textile articles, except apparel	2 330	140	81	2 551
Manufacture of carpets, rugs and mats	844	41	78	963
Manufacture of cordage, rope, twine and netting	413	11	8	432
Manufacture of other textiles	2 271	153	90	2 514
Manufacture of knitted and crocheted fabrics and articles	1 251	1	32	1 284
Manufacture of wearing apparel, except fur apparel	8 517	942	2 282	11 741
Dressing and dyeing of fur, manufacture of articles of fur, tanning and dressing of leather	3 397	0	61	3 458
Manufacture of luggage, handbags and the like, saddlery and harness	241	2	6	249
Manufacture of footwear	2 720	165	70	2 955

Table 13 – Purchases in the manufacturing industry, 2014 (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	55 908	3 488	3 025	62 421
Sawmilling and planing of wood	5 358	121	240	5 719
Manufacture of builders' carpentry and joinery	3 461	99	52	3 612
Manufacture of wooden containers	1 168	10	80	1 258
Manufacture of veneer sheets, plywood, other boards and other products of wood, articles of cork, straw and plaiting materials	3 366	82	99	3 547
Manufacture of corrugated paper and paperboard and of containers of paper and paperboard	12 200	473	207	12 880
Manufacture of pulp, paper and paperboard and other articles of paper and paperboard	11 849	1 224	1 395	14 468
Publishing of books, brochures, musical books, newspapers, journals, periodicals and other publications	7 346	1 291	314	8 951
Publishing of recorded media and other publishing	154	0	1	155
Printing	10 441	187	226	10 854
Service activities related to printing and reproduction of recorded media	565	1	411	977
Division 33 - Coke, petroleum, chemical products, rubber and plastic	465 896	21 734	12 256	499 886
Manufacture of coke oven products	2 208	23	129	2 360
Manufacture of petrol, fuel oils and other petroleum products n.e.c.	315 295	6 992	3 098	325 385
Processing of nuclear fuels and manufacture of basic chemicals, except fertilisers and nitrogen compounds	30 373	3 422	1 636	35 431
Manufacture of fertilisers and nitrogen compounds; and plastics in primary forms and synthetic rubber	28 933	2 521	480	31 934
Manufacture of paints, varnishes and similar coatings, printing ink and mastics	8 646	454	986	10 086
Manufacture of pharmaceuticals, medicinal chemicals and botanical products	9 540	1 442	1 286	12 268
Manufacture of soap and detergents, perfumes and toilet preparations	16 020	817	2 530	19 367
Manufacture of pesticides and other agro-chemical products and other chemical products n.e.c.	13 304	3 436	910	17 650
Manufacture of rubber tyres and tubes and retreading of tyres	5 954	2 052	352	8 358
Manufacture of man-made fibres and other rubber products	3 468	5	77	3 550
Manufacture of plastic products	32 155	570	772	33 497

Table 13 – Purchases in the manufacturing industry, 2014 (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	28 554	515	3 369	32 438
Manufacture of refractory ceramic products	1 162	4	60	1 226
Manufacture of structural non-refractory clay and ceramic products	1 602	60	426	2 088
Manufacture of cement, lime and plaster and articles of concrete, cement and plaster	17 963	274	1 628	19 865
Manufacture of glass and glass products, non-structural non-refractory ceramicware, cutting and shaping of stone and other non-metallic mineral products n.e.c.	7 827	177	1 255	9 259
Division 35 - Metals, metal products, machinery and equipment	204 108	11 984	10 906	226 998
Manufacture of basic iron and steel	49 604	1 662	6 640	57 906
Manufacture of basic precious and non-ferrous metals	43 527	561	750	44 838
Manufacture of structural metal products	20 936	876	478	22 290
Treatment and coating of metals; general mechanical engineering	8 522	250	314	9 086
Manufacture of cutlery, hand tools and general hardware	1 276	29	29	1 334
Casting of iron, steel and non-ferrous metals; manufacture of tanks, reservoirs and similar containers of metal; forging, pressing, stamping and roll-forming of metal; powder metallurgy and manufacture of other fabricated metal products	26 590	637	1 297	28 524
Manufacture of engines and turbines, except aircraft, vehicle and motor cycle engines	1 108	11	1	1 120
Manufacture of pumps, compressors, taps and valves	5 204	1 829	236	7 269
Manufacture of ovens, furnaces and furnace burners	190	0	0	190
Manufacture of lifting and handling equipment	3 001	67	46	3 114
Manufacture of steam generators, household appliances and other general purpose machinery	15 011	2 351	455	17 817
Manufacture of agricultural and forestry machinery	1 689	230	77	1 996
Manufacture of machine tools	886	70	33	989
Manufacture of machinery for mining, quarrying, construction and metallurgy	15 777	2 820	406	19 003
Manufacture of machinery for food, beverage and tobacco processing	1 991	139	23	2 153
Manufacture of machinery for textile and leather production, weapons and ammunition and other special purpose machinery	8 796	452	121	9 369

Table 13 – Purchases in the manufacturing industry, 2014 (concluded)

Type of manufacturer	Raw materials	Finished goods for resale	Other purchases	Total purchases
	R million			
Division 36 - Electrical machinery and apparatus	36 583	4 558	793	41 934
Manufacture of electric motors, generators and transformers	7 482	3 120	323	10 925
Manufacture of electricity distribution and control apparatus	7 576	277	123	7 976
Manufacture of insulated wire and cable	9 897	210	130	10 237
Manufacture of accumulators, primary cells, batteries, electric lamps and lighting equipment	3 628	16	42	3 686
Manufacture of bearings, gears, gearing, driving elements and other electrical equipment	8 000	935	175	9 110
Division 37 - Telecommunication, medical and optical equipment and watches and clocks	8 474	393	329	9 196
Manufacture of electronic valves and tubes, television and radio transmitters and receivers, sound or video recording, line telephony apparatus and other electronic components	5 633	36	107	5 776
Manufacture of medical and surgical equipment and orthopaedic appliances	435	3	95	533
Manufacture of instruments and appliances for measuring, testing, navigating and industrial process control equipment	1 957	233	111	2 301
Manufacture of watches and clocks, optical instruments and photographic equipment	449	121	16	586
Division 38 - Transport equipment	165 825	60 120	4 986	230 931
Manufacture of bodies (coachwork) for motor vehicles, trailers and semi-trailers	5 726	232	774	6 732
Manufacture of parts for motor vehicles and their engines	40 128	3 191	1 300	44 619
Building and repairing of ships	1 324	47	3	1 374
Building and repairing of pleasure and sporting boats	284	35	9	328
Manufacture of aircraft	3 992	47	49	4 088
Manufacture of motor vehicles; railway and tramway locomotives and rolling stock; motor cycles; bicycles; invalid carriages and other transport equipment	114 371	56 568	2 851	173 790
Division 39 - Furniture, other manufacturing and recycling	30 010	755	1 429	32 194
Manufacture of furniture	6 438	247	790	7 475
Manufacture of jewellery and related articles	7 588	141	23	7 752
Manufacture of musical instruments, sports goods, games and toys	301	17	31	349
Manufacture of tobacco products and other manufacturing n.e.c.	6 916	326	184	7 426
Recycling of waste and scrap n.e.c.	8 767	24	401	9 192
Total	1 212 892	111 929	64 608	1 389 429

Table 14 – Details of capital expenditure on new assets in the manufacturing industry, 2011 and 2014

Type of manufacturer	Land, buildings and construction			Plant and machinery, computer and other equipment			Motor vehicles		
	2011	2014	Annualised % change	2011	2014	Annualised % change	2011	2014	Annualised % change
	R million			R million			R million		
Division 30 - Food products and beverages	1 902	2 636	11,5	6 916	8 707	8,0	863	1 062	7,2
Division 31 - Textiles, clothing, leather and footwear	91	216	33,4	618	946	15,2	180	101	-17,5
Division 32 - Wood, wood products, paper, publishing and printing	530	940	21,0	3 615	5 943	18,0	345	295	-5,1
Division 33 - Coke, petroleum, chemical products, rubber and plastic	2 623	6 368	34,4	15 385	19 522	8,3	688	688	0
Division 34 - Glass and other non-metallic mineral products	481	242	-20,5	2 201	2 257	0,8	315	503	16,9
Division 35 - Metals, metal products, machinery and equipment	2 374	705	-33,3	4 237	5 550	9,4	1 087	1 213	3,7
Division 36 - Electrical machinery and apparatus	113	128	4,2	592	929	16,2	119	140	5,6
Division 37 - Telecommunication, medical and optical equipment and watches and clocks	14	30	28,9	245	181	-9,6	35	34	-1
Division 38 - Transport equipment	660	3 055	66,7	3 293	4 345	9,7	1 020	1 110	2,9
Division 39 - Furniture, other manufacturing and recycling	188	212	4,1	933	485	-19,6	463	352	-8,7
Total	8 976	14 532	17,4	38 035	48 865	8,7	5 115	5 498	2,4

Table 14 – Details of capital expenditure on new assets in the manufacturing industry, 2011 and 2014 (concluded)

Type of manufacturer	Capital expenditure on other assets			Total capital expenditure on new assets		
	2011	2014	Annualised % change	2011	2014	Annualised % change
	R million			R million		
Division 30 - Food products and beverages	1 897	2 208	5,2	11 581	14 612	8,1
Division 31 - Textiles, clothing, leather and footwear	121	128	1,9	1 016	1 391	11,0
Division 32 - Wood, wood products, paper, publishing and printing	592	228	-27,2	5 085	7 408	13,4
Division 33 - Coke, petroleum, chemical products, rubber and plastic	7 074	4 313	-15,2	25 770	30 893	6,2
Division 34 - Glass and other non-metallic mineral products	141	461	48,4	3 140	3 462	3,3
Division 35 - Metals, metal products, machinery and equipment	2 739	1 353	-20,9	10 445	8 824	-5,5
Division 36 - Electrical machinery and apparatus	182	174	-1,5	1 008	1 369	10,7
Division 37 - Telecommunication, medical and optical equipment and watches and clocks	145	57	-26,7	441	302	-11,9
Division 38 - Transport equipment	3 666	1 600	-24,1	8 638	10 110	5,4
Division 39 - Furniture, other manufacturing and recycling	119	35	-33,5	1 703	1 081	-14,1
Total	16 676	10 557	-14,1	68 827	79 452	4,9

Table 15 – Details of capital expenditure on new assets in the manufacturing industry, 2014

Type of manufacturer	Land, buildings and construction	Plant and machinery, computer and other equipment	Motor vehicles	Capital expenditure on other assets	Total capital expenditure on new assets
	R million				
Division 30 - Food products and beverages	2 636	8 707	1 062	2 208	14 612
Production, processing and preserving of meat and meat products	250	428	120	17	814
Processing and preserving of fruit and vegetables	403	410	25	95	932
Manufacture of vegetable and animal oils and fats	111	301	29	10	451
Manufacture of dairy products	271	634	72	37	1 015
Manufacture of grain mill products, starches and starch products	584	1 093	186	140	2 003
Manufacture of prepared animal feeds	103	438	52	37	631
Manufacture of bakery products	78	790	64	71	1 003
Manufacture of sugar, cocoa, chocolate and sugar confectionery	149	796	49	695	1 689
Manufacture of macaroni, noodles, couscous and similar farinaceous and other food products n.e.c.	197	825	79	29	1 130
Manufacture of alcoholic and non-alcoholic beverages	490	2 992	386	1 077	4 944
Division 31 - Textiles, clothing, leather and footwear	216	946	101	128	1 391
Preparation and spinning of textile fibres and weaving and finishing of textiles	44	113	6	46	210
Manufacture of made-up textile articles, except apparel	40	49	15	5	109
Manufacture of carpets, rugs and mats	2	65	2	1	71
Manufacture of cordage, rope, twine and netting	0	33	2	2	37
Manufacture of other textiles	35	196	5	14	251
Manufacture of knitted and crocheted fabrics and articles	13	67	7	0	88
Manufacture of wearing apparel, except fur apparel	27	299	32	38	395
Dressing and dyeing of fur, manufacture of articles of fur, tanning and dressing of leather	30	32	13	20	94
Manufacture of luggage, handbags and the like, saddlery and harness	0	6	3	0	8
Manufacture of footwear	25	86	16	2	128

Table 15 – Details of capital expenditure on new assets in the manufacturing industry, 2014 (continued)

Type of manufacturer	Land, buildings and construction	Plant and machinery, computer and other 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	940	5 943	295	228	7 408
Sawmilling and planing of wood	228	911	40	5	1 185
Manufacture of builders' carpentry and joinery	5	98	52	30	185
Manufacture of wooden containers	5	28	11	0	44
Manufacture of veneer sheets, plywood, other boards and other products of wood, articles of cork, straw and plaiting materials	34	191	29	2	256
Manufacture of corrugated paper and paperboard and of containers of paper and paperboard	39	567	38	36	680
Manufacture of pulp, paper and paperboard and other articles of paper and paperboard	507	2 629	29	7	3 172
Publishing of books, brochures, musical books, newspapers, journals, periodicals and other publications	82	632	25	19	758
Publishing of recorded media and other publishing	0	2	4	0	6
Printing	31	873	65	127	1 097
Service activities related to printing and reproduction of recorded media	9	12	2	2	25
Division 33 - Coke, petroleum, chemical products, rubber and plastic	6 368	19 522	688	4 313	30 893
Manufacture of coke oven products	2	83	18	0	103
Manufacture of petrol, fuel oils and other petroleum products n.e.c.	599	10 972	109	828	12 508
Processing of nuclear fuels and manufacture of basic chemicals, except fertilisers and nitrogen compounds	3 222	3 090	174	1 523	8 009
Manufacture of fertilisers and nitrogen compounds; and plastics in primary forms and synthetic rubber	1 373	949	75	30	2 428
Manufacture of paints, varnishes and similar coatings, printing ink and mastics	93	207	71	10	381
Manufacture of pharmaceuticals, medicinal chemicals and botanical products	113	538	19	1 188	1 858
Manufacture of soap and detergents, perfumes and toilet preparations	228	709	45	48	1 031
Manufacture of pesticides and other agro-chemical products and other chemical products n.e.c.	527	440	30	66	1 063
Manufacture of rubber tyres and tubes and retreading of tyres	26	258	6	202	492
Manufacture of man-made fibres and other rubber products	30	136	14	10	190
Manufacture of plastic products	155	2 140	127	408	2 830

Table 15 – Details of capital expenditure on new assets in the manufacturing industry, 2014 (continued)

Type of manufacturer	Land, buildings and construction	Plant and machinery, computer and other equipment	Motor vehicles	Capital expenditure on other assets	Total capital expenditure on new assets
	R million				
Division 34 - Glass and other non-metallic mineral products	242	2 257	503	461	3 462
Manufacture of refractory ceramic products	1	62	18	0	81
Manufacture of structural non-refractory clay and ceramic products	18	121	40	5	184
Manufacture of cement, lime and plaster and articles of concrete, cement and plaster	102	821	346	430	1 698
Manufacture of glass and glass products, non-structural non-refractory ceramicware, cutting and shaping of stone and other non-metallic mineral products n.e.c.	121	1 253	99	26	1 499
Division 35 - Metals, metal products, machinery and equipment	705	5 550	1 213	1 353	8 824
Manufacture of basic iron and steel	57	986	36	135	1 215
Manufacture of basic precious and non-ferrous metals	54	610	16	398	1 076
Manufacture of structural metal products	27	383	169	23	603
Treatment and coating of metals; general mechanical engineering	77	359	146	50	632
Manufacture of cutlery, hand tools and general hardware	10	39	6	11	66
Casting of iron, steel and non-ferrous metals; manufacture of tanks, reservoirs and similar containers of metal; forging, pressing, stamping and roll-forming of metal; powder metallurgy and manufacture of other fabricated metal products	71	536	92	602	1 302
Manufacture of engines and turbines, except aircraft, vehicle and motor cycle engines	7	25	5	0	37
Manufacture of pumps, compressors, taps and valves	45	165	60	17	286
Manufacture of ovens, furnaces and furnace burners	8	7	6	0	21
Manufacture of lifting and handling equipment	2	140	39	4	185
Manufacture of steam generators, household appliances and other general purpose machinery	67	1 131	449	58	1 705
Manufacture of agricultural and forestry machinery	31	43	14	2	91
Manufacture of machine tools	0	387	18	0	406
Manufacture of machinery for mining, quarrying, construction and metallurgy	90	320	77	36	524
Manufacture of machinery for food, beverage and tobacco processing	31	45	16	3	96
Manufacture of machinery for textile and leather production, weapons and ammunition and other special purpose machinery	128	374	64	14	579

Table 15 – Details of capital expenditure on new assets in the manufacturing industry, 2014 (concluded)

Type of manufacturer	Land, buildings and construction	Plant and machinery, computer and other equipment	Motor vehicles	Capital expenditure on other assets	Total capital expenditure on new assets
	R million				
Division 36 - Electrical machinery and apparatus	128	929	140	174	1 369
Manufacture of electric motors, generators and transformers	37	254	52	44	387
Manufacture of electricity distribution and control apparatus	29	100	29	16	173
Manufacture of insulated wire and cable	23	356	14	24	418
Manufacture of accumulators, primary cells, batteries, electric lamps and lighting equipment	4	89	11	2	105
Manufacture of bearings, gears, gearing, driving elements and other electrical equipment	35	130	34	88	286
Division 37 - Telecommunication, medical and optical equipment and watches and clocks	30	181	34	57	302
Manufacture of electronic valves and tubes, television and radio transmitters and receivers, sound or video recording, line telephony apparatus and other electronic components	15	63	15	45	138
Manufacture of medical and surgical equipment and orthopaedic appliances	5	17	8	2	32
Manufacture of instruments and appliances for measuring, testing, navigating and industrial process control equipment	9	38	10	6	63
Manufacture of watches and clocks, optical instruments and photographic equipment	1	63	1	4	69
Division 38 - Transport equipment	3 055	4 345	1 110	1 600	10 110
Manufacture of bodies (coachwork) for motor vehicles, trailers and semi-trailers	54	215	34	31	332
Manufacture of parts for motor vehicles and their engines	685	1 809	107	467	3 068
Building and repairing of ships	4	24	7	7	42
Building and repairing of pleasure and sporting boats	0	3	3	3	9
Manufacture of aircraft	1	75	9	0	87
Manufacture of motor vehicles; railway and tramway locomotives and rolling stock; motor cycles; bicycles; invalid carriages and other transport equipment	2 311	2 219	950	1 092	6 572
Division 39 - Furniture, other manufacturing and recycling	212	485	352	35	1 081
Manufacture of furniture	145	59	59	12	274
Manufacture of jewellery and related articles	19	37	22	3	81
Manufacture of musical instruments, sports goods, games and toys	5	7	4	1	17
Manufacture of tobacco products and other manufacturing n.e.c.	26	184	179	9	397
Recycling of waste and scrap n.e.c.	17	198	88	10	312
Total	14 532	48 865	5 498	10 557	79 452

Table 16 – Employment in the manufacturing industry as at the end of June, 2011 and 2014

Type of manufacturer	Male			Female			Total employees		
	2011	2014	Annualised % change	2011	2014	Annualised % change	2011	2014	Annualised % change
	Number			Number			Number		
Division 30 - Food products and beverages	145 624	149 982	1,0	76 913	79 937	1,3	222 537	229 919	1,1
Division 31 - Textiles, clothing, leather and footwear	45 135	37 296	-6,2	81 920	75 890	-2,5	127 055	113 186	-3,8
Division 32 - Wood, wood products, paper, publishing and printing	90 071	88 785	-0,5	48 454	42 817	-4,0	138 525	131 602	-1,7
Division 33 - Coke, petroleum, chemical products, rubber and plastic	125 725	122 613	-0,8	52 873	52 837	-0,0	178 598	175 450	-0,6
Division 34 - Glass and other non-metallic mineral products	45 471	47 338	1,4	17 701	12 454	-11,1	63 172	59 792	-1,8
Division 35 - Metals, metal products, machinery and equipment	239 335	206 723	-4,8	52 456	43 419	-6,1	291 791	250 142	-5,0
Division 36 - Electrical machinery and apparatus	37 187	33 807	-3,1	13 545	14 110	1,4	50 732	47 917	-1,9
Division 37 - Telecommunication, medical and optical equipment and watches and clocks	10 263	8 509	-6,1	6 631	4 917	-9,5	16 894	13 426	-7,4
Division 38 - Transport equipment	98 833	80 823	-6,5	24 915	24 541	-0,5	123 748	105 364	-5,2
Division 39 - Furniture, other manufacturing and recycling	56 694	44 747	-7,6	25 303	18 891	-9,3	81 997	63 638	-8,1
Total	894 338	820 623	-2,8	400 711	369 813	-2,6	1 295 049	1 190 436	-2,8

Table 17 – Employment in the manufacturing industry as at the end of June 2014

Type of manufacturer	Permanent employees			Temporary employees			Casual employees			Total employees
	Male	Female	Total	Male	Female	Total	Male	Female	Total	
	Number									
Division 30 - Food products and beverages	131 445	67 790	199 235	10 448	8 749	19 197	8 089	3 398	11 487	229 919
Production, processing and preserving of meat and meat products	18 280	8 092	26 372	839	670	1 509	877	266	1 143	29 024
Processing and preserving of fruit and vegetables	7 926	6 186	14 112	1 410	2 283	3 693	577	219	796	18 601
Manufacture of vegetable and animal oils and fats	2 198	760	2 958	68	15	83	90	43	133	3 174
Manufacture of dairy products	14 129	5 870	19 999	1 332	1 858	3 190	108	75	183	23 372
Manufacture of grain mill products, starches and starch products	14 792	7 018	21 810	737	263	1 000	366	81	447	23 257
Manufacture of prepared animal feeds	5 309	1 220	6 529	437	58	495	58	2	60	7 084
Manufacture of bakery products	15 221	12 121	27 342	1 394	616	2 010	2 994	1 624	4 618	33 970
Manufacture of sugar, cocoa, chocolate and sugar confectionery	15 609	8 470	24 079	1 058	703	1 761	96	67	163	26 003
Manufacture of macaroni, noodles, couscous and similar farinaceous and other food products n.e.c.	16 102	9 507	25 609	1 029	1 352	2 381	797	793	1 590	29 580
Manufacture of alcoholic and non-alcoholic beverages	21 879	8 546	30 425	2 144	931	3 075	2 126	228	2 354	35 854
Division 31 - Textiles, clothing, leather and footwear	33 523	71 974	105 497	3 054	2 867	5 921	719	1 049	1 768	113 186
Preparation and spinning of textile fibres and weaving and finishing of textiles	3 312	2 787	6 099	131	115	246	7	4	11	6 356
Manufacture of made-up textile articles, except apparel	4 143	4 448	8 591	500	223	723	105	21	126	9 440
Manufacture of carpets, rugs and mats	1 076	662	1 738	306	79	385	32	3	35	2 158
Manufacture of cordage, rope, twine and netting	1 321	833	2 154	147	34	181	31	11	42	2 377
Manufacture of other textiles	2 821	2 635	5 456	48	82	130	13	4	17	5 603
Manufacture of knitted and crocheted fabrics and articles	1 146	3 697	4 843	169	412	581	1	9	10	5 434
Manufacture of wearing apparel, except fur apparel	12 228	49 295	61 523	273	927	1 200	152	771	923	63 646
Dressing and dyeing of fur, manufacture of articles of fur, tanning and dressing of leather	2 459	1 140	3 599	954	372	1 326	165	10	175	5 100
Manufacture of luggage, handbags and the like, saddlery and harness	531	1 344	1 875	20	29	49	32	16	48	1 972
Manufacture of footwear	4 486	5 133	9 619	506	594	1 100	181	200	381	11 100

Table 17 – Employment in the manufacturing industry as at the end of June 2014 (continued)

Type of manufacturer	Permanent employees			Temporary employees			Casual employees			Total employee s
	Male	Female	Total	Male	Female	Total	Male	Female	Total	
	Number									
Division 32 - Wood, wood products, paper, publishing and printing	82 373	39 135	121 508	4 058	2 814	6 872	2 354	868	3 222	131 602
Sawmilling and planing of wood	11 243	3 804	15 047	528	175	703	109	5	114	15 864
Manufacture of builders' carpentry and joinery	10 484	3 615	14 099	701	98	799	84	10	94	14 992
Manufacture of wooden containers	3 733	569	4 302	366	66	432	48	2	50	4 784
Manufacture of veneer sheets, plywood, other boards and other products of wood, articles of cork, straw and plaiting materials	8 776	2 731	11 507	230	126	356	117	33	150	12 013
Manufacture of corrugated paper and paperboard and of containers of paper and paperboard	9 324	3 383	12 707	312	102	414	166	18	184	13 305
Manufacture of pulp, paper and paperboard and other articles of paper and paperboard	10 109	4 985	15 094	540	891	1 431	94	25	119	16 644
Publishing of books, brochures, musical books, newspapers, journals, periodicals and other publications	11 786	10 618	22 404	736	601	1 337	1 575	173	1 748	25 489
Publishing of recorded media and other publishing	594	426	1 020	0	0	0	1	0	1	1 021
Printing	15 554	8 447	24 001	627	569	1 196	158	601	759	25 956
Service activities related to printing and reproduction of recorded media	770	557	1 327	18	186	204	2	1	3	1 534
Division 33 - Coke, petroleum, chemical products, rubber and plastic	113 473	48 178	161 651	7 882	3 897	11 779	1 258	762	2 020	175 450
Manufacture of coke oven products	1 183	221	1 404	105	20	125	14	18	32	1 561
Manufacture of petrol, fuel oils and other petroleum products n.e.c.	12 186	4 047	16 233	899	454	1 353	75	17	92	17 678
Processing of nuclear fuels and manufacture of basic chemicals, except fertilisers and nitrogen compounds	12 796	3 839	16 635	428	110	538	39	9	48	17 221
Manufacture of fertilisers and nitrogen compounds; and plastics in primary forms and synthetic rubber	6 903	2 096	8 999	530	253	783	148	13	161	9 943
Manufacture of paints, varnishes and similar coatings, printing ink and mastics	8 038	2 900	10 938	228	78	306	61	1	62	11 306
Manufacture of pharmaceuticals, medicinal chemicals and botanical products	7 600	7 623	15 223	903	1 023	1 926	76	151	227	17 376
Manufacture of soap and detergents, perfumes and toilet preparations	10 174	5 510	15 684	224	273	497	142	217	359	16 540
Manufacture of pesticides and other agro-chemical products and other chemical products n.e.c.	7 624	2 720	10 344	567	202	769	98	39	137	11 250
Manufacture of rubber tyres and tubes and retreading of tyres	5 993	832	6 825	54	23	77	12	0	12	6 914
Manufacture of man-made fibres and other rubber products	3 969	1 222	5 191	108	45	153	98	14	112	5 456
Manufacture of plastic products	37 007	17 168	54 175	3 836	1 416	5 252	495	283	778	60 205

Table 17 – Employment in the manufacturing industry as at the end of June 2014 (continued)

Type of manufacturer	Permanent employees			Temporary employees			Casual employees			Total employees
	Male	Female	Total	Male	Female	Total	Male	Female	Total	
	Number									
Division 34 - Glass and other non-metallic mineral products	42 271	11 516	53 787	4 050	832	4 882	1 017	106	1 123	59 792
Manufacture of refractory ceramic products	1 886	349	2 235	255	52	307	54	0	54	2 596
Manufacture of structural non-refractory clay and ceramic products	6 938	2 344	9 282	409	234	643	205	8	213	10 138
Manufacture of cement, lime and plaster and articles of concrete, cement and plaster	22 643	4 595	27 238	2 382	346	2 728	653	69	722	30 688
Manufacture of glass and glass products, non-structural non-refractory ceramicware, cutting and shaping of stone and other non-metallic mineral products n.e.c.	10 804	4 228	15 032	1 004	200	1 204	105	29	134	16 370
Division 35 - Metals, metal products, machinery and equipment	189 469	40 610	230 079	14 904	2 475	17 379	2 350	334	2 684	250 142
Manufacture of basic iron and steel	28 302	4 893	33 195	2 122	93	2 215	64	33	97	35 507
Manufacture of basic precious and non-ferrous metals	10 639	2 521	13 160	774	136	910	83	57	140	14 210
Manufacture of structural metal products	26 008	4 686	30 694	3 270	343	3 613	854	23	877	35 184
Treatment and coating of metals; general mechanical engineering	17 602	3 084	20 686	964	39	1 003	284	4	288	21 977
Manufacture of cutlery, hand tools and general hardware	3 082	1 030	4 112	56	35	91	22	11	33	4 236
Casting of iron, steel and non-ferrous metals; manufacture of tanks, reservoirs and similar containers of metal; forging, pressing, stamping and roll-forming of metal; powder metallurgy and manufacture of other fabricated metal products	28 242	6 064	34 306	4 104	331	4 435	171	14	185	38 926
Manufacture of engines and turbines, except aircraft, vehicle and motor cycle engines	1 197	337	1 534	19	4	23	0	0	0	1 557
Manufacture of pumps, compressors, taps and valves	8 730	2 354	11 084	379	52	431	41	17	58	11 573
Manufacture of ovens, furnaces and furnace burners	448	94	542	0	0	0	0	0	0	542
Manufacture of lifting and handling equipment	6 117	1 171	7 288	120	19	139	8	1	9	7 436

Table 17 – Employment in the manufacturing industry as at the end of June 2014 (continued)

Type of manufacturer	Permanent employees			Temporary employees			Casual employees			Total employees
	Male	Female	Total	Male	Female	Total	Male	Female	Total	
	Number									
Manufacture of steam generators, household appliances and other general purpose machinery	20 141	5 715	25 856	1 092	370	1 462	607	121	728	28 046
Manufacture of agricultural and forestry machinery	3 227	562	3 789	128	65	193	6	0	6	3 988
Manufacture of machine tools	4 770	739	5 509	38	5	43	28	5	33	5 585
Manufacture of machinery for mining, quarrying, construction and metallurgy	17 438	3 142	20 580	776	619	1 395	90	4	94	22 069
Manufacture of machinery for food, beverage and tobacco processing	1 950	664	2 614	65	8	73	29	1	30	2 717
Manufacture of machinery for textile and leather production, weapons and ammunition and other special purpose machinery	11 576	3 554	15 130	997	356	1 353	63	43	106	16 589
Division 36 - Electrical machinery and apparatus	30 534	13 123	43 657	2 002	944	2 946	1 271	43	1 314	47 917
Manufacture of electric motors, generators and transformers	9 551	2 619	12 170	741	199	940	1 184	15	1 199	14 309
Manufacture of electricity distribution and control apparatus	5 144	1 098	6 242	481	254	735	49	3	52	7 029
Manufacture of insulated wire and cable	4 275	2 950	7 225	210	63	273	0	1	1	7 499
Manufacture of accumulators, primary cells, batteries, electric lamps and lighting equipment	3 514	1 608	5 122	154	41	195	25	12	37	5 354
Manufacture of bearings, gears, gearing, driving elements and other electrical equipment	8 050	4 848	12 898	416	387	803	13	12	25	13 726

Table 17 – Employment in the manufacturing industry as at the end of June 2014 (concluded)

Type of manufacturer	Permanent employees			Temporary employees			Casual employees			Total employees
	Male	Female	Total	Male	Female	Total	Male	Female	Total	
	Number									
Division 37 - Telecommunication, medical and optical equipment and watches and clocks	8 111	4 354	12 465	352	406	758	46	157	203	13 426
Manufacture of electronic valves and tubes, television and radio transmitters and receivers, sound or video recording, line telephony apparatus and other electronic components	3 679	1 895	5 574	232	151	383	19	2	21	5 978
Manufacture of medical and surgical equipment and orthopaedic appliances	1 187	632	1 819	5	172	177	1	24	25	2 021
Manufacture of instruments and appliances for measuring, testing, navigating and industrial process control equipment	2 248	1 413	3 661	105	83	188	14	119	133	3 982
Manufacture of watches and clocks, optical instruments and photographic equipment	997	414	1 411	10	0	10	12	12	24	1 445
Division 38 - Transport equipment	74 925	22 333	97 258	5 370	1 972	7 342	528	236	764	105 364
Manufacture of bodies (coachwork) for motor vehicles, trailers and semi-trailers	10 337	2 331	12 668	738	106	844	39	13	52	13 564
Manufacture of parts for motor vehicles and their engines	22 280	8 328	30 608	2 464	916	3 380	381	113	494	34 482
Building and repairing of ships	1 842	482	2 324	142	16	158	85	91	176	2 658
Building and repairing of pleasure and sporting boats	816	135	951	28	0	28	0	0	0	979
Manufacture of aircraft	4 816	1 458	6 274	245	110	355	6	2	8	6 637
Manufacture of motor vehicles; railway and tramway locomotives and rolling stock; motor cycles; bicycles; invalid carriages and other transport equipment	34 834	9 599	44 433	1 753	824	2 577	17	17	34	47 044
Division 39 - Furniture, other manufacturing and recycling	38 640	16 361	55 001	5 079	2 009	7 088	1 028	521	1 549	63 638
Manufacture of furniture	19 501	5 445	24 946	3 815	1 505	5 320	982	14	996	31 262
Manufacture of jewellery and related articles	2 936	2 003	4 939	109	0	109	6	139	145	5 193
Manufacture of musical instruments, sports goods, games and toys	869	259	1 128	24	23	47	12	2	14	1 189
Manufacture of tobacco products and other manufacturing n.e.c.	8 778	4 994	13 772	393	284	677	24	365	389	14 838
Recycling of waste and scrap n.e.c.	6 556	3 660	10 216	738	197	935	4	1	5	11 156
Total	744 764	335 374	1 080 138	57 199	26 965	84 164	18 660	7 474	26 134	1 190 436

Table 18 – Employment by enterprise size in the manufacturing industry as at the end of June 2014

Type of manufacturer	Large enterprises	Medium enterprises	Small enterprises	Micro enterprises	Total employees
	Number				
Division 30 - Food products and beverages	148 266	39 044	18 858	23 751	229 919
Division 31 - Textiles, clothing, leather and footwear	23 534	29 589	18 343	41 720	113 186
Division 32 - Wood, wood products, paper, publishing and printing	52 804	28 691	18 801	31 306	131 602
Division 33 - Coke, petroleum, chemical products, rubber and plastic	100 303	31 770	18 947	24 430	175 450
Division 34 - Glass and other non-metallic mineral products	19 720	14 500	9 661	15 911	59 792
Division 35 - Metals, metal products, machinery and equipment	88 709	48 935	40 417	72 081	250 142
Division 36 - Electrical machinery and apparatus	24 936	10 278	5 295	7 408	47 917
Division 37 - Telecommunication, medical and optical equipment and watches and clocks	5 298	2 689	2 268	3 171	13 426
Division 38 - Transport equipment	70 133	13 233	7 425	14 573	105 364
Division 39 - Furniture, other manufacturing and recycling	18 182	13 518	11 698	20 240	63 638
Total	551 885	232 247	151 713	254 591	1 190 436

Table 19 – Imports and exports in the manufacturing industry, 2011 and 2014

Type of manufacturer	Value of goods imported			Value of goods exported		
	2011	2014	Annualised % change	2011	2014	Annualised % change
	R million			R million		
Division 30 - Food products and beverages	13 782	11 948	-4,6	12 422	16 078	9,0
Division 31 - Textiles, clothing, leather and footwear	4 112	4 559	3,5	2 115	5 375	36,5
Division 32 - Wood, wood products, paper, publishing and printing	4 910	7 054	12,8	8 874	8 711	-0,6
Division 33 - Coke, petroleum, chemical products, rubber and plastic	78 850	76 147	-1,2	58 517	30 293	-19,7
Division 34 - Glass and other non-metallic mineral products	1 666	1 136	-12,0	2 213	1 031	-22,5
Division 35 - Metals, metal products, machinery and equipment	30 184	25 629	-5,3	47 407	42 904	-3,3
Division 36 - Electrical machinery and apparatus	6 006	10 846	21,8	3 504	3 280	-2,2
Division 37 - Telecommunication, medical and optical equipment and watches and clocks	2 012	2 169	2,5	2 952	1 475	-20,6
Division 38 - Transport equipment	40 029	119 269	43,9	54 215	92 269	19,4
Division 39 - Furniture, other manufacturing and recycling	1 319	1 557	5,7	7 884	9 070	4,8
Total	182 870	260 314	12,5	200 103	210 486	1,7

Table 20 – Key statistics by province in the manufacturing industry, 2014

Province	Sales of goods and services (R million)	% contribution	Salaries and wages (R million)	% contribution	Employment (Number)	% contribution
Western Cape	444 722	21,0	35 048	16,1	224 973	18,9
Eastern Cape	162 539	7,7	16 581	7,6	85 286	7,2
Northern Cape	12 568	0,6	1 042	0,5	10 095	0,8
Free State	56 096	2,7	4 690	2,1	29 359	2,5
KwaZulu-Natal	345 084	16,3	33 227	15,2	228 218	19,2
North West	30 718	1,5	3 599	1,6	25 374	2,1
Gauteng	842 977	39,9	108 706	49,8	517 301	43,5
Mpumalanga	197 001	9,3	12 102	5,5	46 908	3,9
Limpopo	22 447	1,1	3 351	1,5	22 922	1,9
Total	2 114 152	100,0	218 346	100,0	1 190 436	100,0

Table 21 – Sales of goods and services by province and major economic activity in the manufacturing industry, 2014

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	89 938	23 824	6 615	17 878	62 711	7 301	131 138	16 016	8 699	364 120
Division 31 - Textiles, clothing, leather and footwear	13 368	4 052	37	738	18 481	410	8 404	582	153	46 225
Division 32 - Wood, wood products, paper, publishing and printing	21 699	3 129	217	877	28 183	585	50 410	8 734	1 978	115 812
Division 33 - Coke, petroleum, chemical products, rubber and plastic	235 993	19 380	*	31 186	87 331	7 016	194 500	150 567	*	731 597
Division 34 - Glass and other non-metallic mineral products	7 221	4 413	740	1 422	12 444	5 073	28 721	1 046	2 256	63 336
Division 35 - Metals, metal products, machinery and equipment	33 566	9 163	1 448	2 241	57 993	5 006	211 393	18 901	5 913	345 624
Division 36 - Electrical machinery and apparatus	*	*	*	364	*	2 240	53 318	430	126	66 288
Division 37 - Telecommunication, medical and optical equipment and watches and clocks	*	*	*	*	*	23	8 487	45	*	15 828
Division 38 - Transport equipment	15 124	94 772	584	*	65 879	1 833	129 293	356	*	308 908
Division 39 - Furniture, other manufacturing and recycling	20 966	882	50	528	4 922	1 231	27 313	324	198	56 414
Total	444 722	162 539	12 568	56 096	345 084	30 718	842 977	197 001	22 447	2 114 152

***Note:** Figures could not be published due to confidentiality or high relative standard errors (RSEs).

Table 22 – Salaries and wages by province and major economic activity in the manufacturing industry, 2014

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	9 047	2 496	404	1 258	5 196	647	14 196	1 610	805	35 659
Division 31 - Textiles, clothing, leather and footwear	2 527	550	11	122	2 904	67	1 537	100	42	7 860
Division 32 - Wood, wood products, paper, publishing and printing	5 725	740	40	*	3 649	93	8 335	*	308	20 611
Division 33 - Coke, petroleum, chemical products, rubber and plastic	5 722	3 133	95	2 168	6 060	734	21 960	*	*	46 647
Division 34 - Glass and other non-metallic mineral products	1 071	1 015	*	*	1 191	488	3 972	145	583	8 719
Division 35 - Metals, metal products, machinery and equipment	5 345	1 617	287	474	7 278	794	33 424	2 303	859	52 381
Division 36 - Electrical machinery and apparatus	*	280	*	65	714	378	9 381	95	21	11 824
Division 37 - Telecommunication, medical and optical equipment and watches and clocks	*	63	0	15	418	8	1 875	8	*	2 972
Division 38 - Transport equipment	2 021	6 513	84	149	4 796	239	10 456	90	55	24 403
Division 39 - Furniture, other manufacturing and recycling	2 144	174	13	83	1 021	151	3 570	*	*	7 270
Total	35 048	16 581	1 042	4 690	33 227	3 599	108 706	12 102	3 351	218 346

***Note:** Figures could not be published due to confidentiality or high relative standard errors (RSEs).

Table 23 – Employment by province and major economic activity in the manufacturing industry, 2014

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	59 273	18 031	4 878	11 237	33 569	6 065	75 690	12 933	8 243	229 919
Division 31 - Textiles, clothing, leather and footwear	29 246	5 981	168	2 179	*	1 161	19 908	1 433	*	113 186
Division 32 - Wood, wood products, paper, publishing and printing	33 041	5 391	467	1 736	29 864	1 074	49 425	7 008	3 596	131 602
Division 33 - Coke, petroleum, chemical products, rubber and plastic	26 640	12 413	477	5 749	29 757	3 441	82 859	11 878	2 236	175 450
Division 34 - Glass and other non-metallic mineral products	*	5 357	*	1 523	*	2 952	25 912	1 616	3 712	59 792
Division 35 - Metals, metal products, machinery and equipment	31 553	10 042	2 254	4 093	36 247	5 221	147 480	9 806	3 446	250 142
Division 36 - Electrical machinery and apparatus	5 501	1 960	*	*	5 236	2 021	31 985	554	149	47 917
Division 37 - Telecommunication, medical and optical equipment and watches and clocks	*	513	*	116	2 246	39	7 751	34	*	13 426
Division 38 - Transport equipment	12 925	23 649	*	*	18 559	1 712	45 439	671	459	105 364
Division 39 - Furniture, other manufacturing and recycling	13 915	1 949	139	816	12 840	1 688	30 852	975	464	63 638
Total	224 973	85 286	10 095	29 359	228 218	25 374	517 301	46 908	22 922	1 190 436

***Note:** Figures could not be published due to confidentiality or high relative standard errors (RSEs).

Table 24 – Key statistics by district in the manufacturing industry, 2014

District/metro	Sales of goods and services	Salaries and wages	Employment
	R million		Number
Western Cape	444 722	35 048	224 973
City of Cape Town	366 199	25 101	157 312
Cape Winelands	58 454	8 005	51 281
Rest of Western Cape	20 069	1 942	16 380
Eastern Cape	162 539	16 581	85 286
Buffalo City	44 914	3 129	16 754
Cacadu	3 761	331	2 415
Amathole	213	46	678
O.R. Tambo	355	70	1 113
Nelson Mandela Bay	111 334	12 711	61 461
Rest of Eastern Cape	1 962	294	2 865
Northern Cape	12 568	1 042	10 095
Pixley ka Seme	1 359	51	1 078
Siyanda	4 811	457	3 812
Frances Baard	6 013	455	4 133
Rest of Northern Cape	385	79	1 072
Free State	56 096	4 690	29 359
Xhariep	0	0	0
Fezile Dabi	37 025	2 715	9 590
Mangaung	8 031	879	8 218
Rest of Free State	11 040	1 096	11 551
KwaZulu-Natal	345 084	33 227	228 218
Ugu	3 862	440	5 910
uMgungundlovu	45 848	4 163	25 328
uMzinyathi	569	49	897
Amajuba	7 139	792	6 017
Zululand	2 517	272	2 713
Uthungulu	44 206	4 098	11 943
Sisonke	688	85	1 079
eThekwini	228 697	21 958	155 767
Rest of KwaZulu-Natal	11 558	1 370	18 564

Table 24 – Key statistics by district in the manufacturing industry, 2014 (concluded)

District/metro	Sales of goods and services	Salaries and wages	Employment
	R million		Number
North West	30 718	3 599	25 374
Bojanala	14 447	2 175	14 526
Ngaka Modiri Molema	7 623	679	3 970
Rest of North West	8 648	745	6 878
Gauteng	842 977	108 706	517 301
Sedibeng	66 080	9 387	23 350
West Rand	20 376	3 810	14 058
Ekurhuleni	268 844	37 363	115 472
City of Johannesburg	341 955	43 896	310 474
City of Tshwane	145 722	14 250	53 947
Mpumalanga	197 001	12 102	46 908
Gert Sibande	135 871	7 052	18 053
Nkangala	35 319	2 575	12 422
Ehlanzeni	25 811	2 475	16 433
Limpopo	22 447	3 351	22 922
Mopani	2 641	1 101	7 022
Capricorn	13 853	1 396	8 512
Waterberg	2 792	564	4 398
Rest of Limpopo	3 161	290	2 990
Total	2 114 152	218 346	1 190 436

Table 25 – Information and communication technology usage in the manufacturing industry, 2014

Type of manufacturer	Enterprises which use computers for business purposes	Enterprises which access financial services via the internet	Enterprises which have a web-page	Enterprises which receive orders via the internet	Enterprises which place orders via the internet	Enterprises whose information technology (IT) activities are out-sourced
	%					
Division 30 - Food products and beverages	99,6	87,5	56,2	38,3	36,4	57,4
Division 31 - Textiles, clothing, leather and footwear	99,8	92,3	53,6	37,0	39,8	50,1
Division 32 - Wood, wood products, paper, publishing and printing	100,0	93,0	58,7	42,2	38,8	55,3
Division 33 - Coke, petroleum, chemical products, rubber and plastic	99,9	91,9	65,0	38,7	38,1	57,7
Division 34 - Glass and other non-metallic mineral products	99,7	95,5	58,1	32,0	30,6	62,5
Division 35 - Metals, metal products, machinery and equipment	99,9	93,8	60,7	38,1	34,7	58,0
Division 36 - Electrical machinery and apparatus	100,0	97,3	76,1	40,4	37,3	56,5
Division 37 - Telecommunication, medical and optical equipment and watches and clocks	100,0	89,0	76,3	41,5	45,8	46,6
Division 38 - Transport equipment	100,0	83,0	59,8	37,5	36,0	47,3
Division 39 - Furniture, other manufacturing and recycling	99,6	93,4	42,4	29,9	29,9	58,7
Total	99,9	91,9	60,1	38,1	36,4	56,1

Table 26 – Information and communication technology usage by enterprise size in the manufacturing industry, 2014

Enterprise size	Enterprises which use computers for business purposes	Enterprises which access financial services via the internet	Enterprises which have a web-page	Enterprises which receive orders via the internet	Enterprises which place orders via the internet	Enterprises whose information technology (IT) activities are out-sourced
	%					
Large enterprises	99,9	93,1	76,6	35,2	36,9	46,7
Medium enterprises	100,0	93,4	73,2	38,3	36,8	62,6
Small enterprises	100,0	92,9	61,9	40,8	38,3	64,5
Micro enterprises	99,4	89,2	42,0	37,5	34,8	48,9
Total	99,9	91,9	60,1	38,1	36,4	56,1

Explanatory notes

Background

The results presented in this publication have been derived from the 2014 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 2011 (Statistical release P3002 Manufacturing industry 2011).

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 2013 and 30 June 2014.

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.

Size groups

The enterprises are divided into four size groups according to the value of turnover recorded for them on the Stats SA business register. Table 27 presents the cut-off points for size groups.

Table 27 – Size groups for the manufacturing industry, 2014

Size group	Turnover
Large enterprises	Turnover > R229 500 000
Medium enterprises	R58 500 000 < turnover <= R229 500 000
Small enterprises	R22 500 000 < turnover <= R58 500 000
Micro enterprises	Turnover <= R22 500 000

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

Survey methodology and design

A sample of approximately 15 500 enterprises was drawn using cluster stratified simple random sampling. Enterprises were clustered using district municipality, then stratified at four-digit level according to the SIC and by size of enterprise. All large, medium and small enterprises are completely enumerated. Also 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 78,1% 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 2011 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 construction 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 accrued due to sampling.

Table 28 – Confidence intervals (95%) for income in the manufacturing industry, 2014

Type of manufacturer	Lower limit	Total income	Upper limit	Relative standard error
	R million			%
Division 30 - Food products and beverages	374 900	375 638	376 373	0,1
Production, processing and preserving of meat and meat products	36 763	37 054	37 344	0,4
Processing and preserving of fruit and vegetables	14 562	14 591	14 619	0,1
Manufacture of vegetable and animal oils and fats	25 078	25 078	25 078	0,0
Manufacture of dairy products	27 061	27 114	27 168	0,1
Manufacture of grain mill products, starches and starch products	42 224	42 391	42 557	0,2
Manufacture of prepared animal feeds	21 412	21 412	21 412	0,0
Manufacture of bakery products	24 126	24 807	25 487	1,4
Manufacture of sugar, cocoa, chocolate and sugar confectionery	40 918	40 918	40 918	0,0
Manufacture of macaroni, noodles, couscous and similar farinaceous and other food products n.e.c.	38 979	39 287	39 595	0,4
Manufacture of alcoholic and non-alcoholic beverages	102 784	102 986	103 187	0,1
Division 31 - Textiles, clothing, leather and footwear	46 611	48 122	49 629	1,6
Preparation and spinning of textile fibres and weaving and finishing of textiles	5 255	5 255	5 255	0,0
Manufacture of made-up textile articles, except apparel	4 529	4 733	4 937	2,2
Manufacture of carpets, rugs and mats	1 777	1 777	1 777	0,0
Manufacture of cordage, rope, twine and netting	922	922	922	0,0
Manufacture of other textiles	2 837	3 931	5 025	14,2
Manufacture of knitted and crocheted fabrics and articles	2 133	2 133	2 133	0,0
Manufacture of wearing apparel, except fur apparel	18 588	19 587	20 585	2,6
Dressing and dyeing of fur, manufacture of articles of fur, tanning and dressing of leather	4 506	4 506	4 506	0,0
Manufacture of luggage, handbags and the like, saddlery and harness	356	464	572	11,9
Manufacture of footwear	4 474	4 814	5 154	3,6

Table 28 – Confidence intervals (95%) for income in the manufacturing industry, 2014 (continued)

Type of manufacturer	Lower limit	Total income	Upper limit	Relative standard error
	R million			%
Division 32 - Wood, wood products, paper, publishing and printing	120 259	120 970	121 681	0,3
Sawmilling and planing of wood	8 591	8 659	8 727	0,4
Manufacture of builders' carpentry and joinery	5 837	6 026	6 215	1,6
Manufacture of wooden containers	1 922	1 965	2 007	1,1
Manufacture of veneer sheets, plywood, other boards and other products of wood, articles of cork, straw and plaiting materials	7 791	8 027	8 263	1,5
Manufacture of corrugated paper and paperboard and of containers of paper and paperboard	18 520	19 043	19 565	1,4
Manufacture of pulp, paper and paperboard and other articles of paper and paperboard	26 560	26 769	26 979	0,4
Publishing of books, brochures, musical books, newspapers, journals, periodicals and other publications	27 260	27 529	27 799	0,5
Publishing of recorded media and other publishing	424	424	424	0,0
Printing	20 639	21 010	21 381	0,9
Service activities related to printing and reproduction of recorded media	1 417	1 518	1 619	3,4
Division 33 - Coke, petroleum, chemical products, rubber and plastic	747 987	749 457	750 925	0,1
Manufacture of coke oven products	3 458	3 458	3 458	0,0
Manufacture of petrol, fuel oils and other petroleum products n,e,c	449 311	449 311	449 311	0,0
Processing of nuclear fuels and manufacture of basic chemicals, except fertilisers and nitrogen compounds	60 837	61 076	61 316	0,2
Manufacture of fertilisers and nitrogen compounds; and plastics in primary forms and synthetic rubber	45 564	45 743	45 922	0,2
Manufacture of paints, varnishes and similar coatings, printing ink and mastics	15 901	16 090	16 279	0,6
Manufacture of pharmaceuticals, medicinal chemicals and botanical products	24 159	24 398	24 637	0,5
Manufacture of soap and detergents, perfumes and toilet preparations	38 939	39 093	39 246	0,2
Manufacture of pesticides and other agro-chemical products and other chemical products n.e.c.	30 922	30 983	31 043	0,1
Manufacture of rubber tyres and tubes and retreading of tyres	14 056	14 056	14 056	0,0
Manufacture of man-made fibres and other rubber products	5 726	5 864	6 002	1,2
Manufacture of plastic products	58 570	59 385	60 200	0,7

Table 28 – Confidence intervals (95%) for income in the manufacturing industry, 2014 (continued)

Type of manufacturer	Lower limit	Total income	Upper limit	Relative standard error
	R million			%
Division 34 - Glass and other non-metallic mineral products	63 078	64 858	66 638	1,4
Manufacture of refractory ceramic products	2 062	2 062	2 062	0,0
Manufacture of structural non-refractory clay and ceramic products	4 475	4 501	4 527	0,3
Manufacture of cement, lime and plaster and articles of concrete, cement and plaster	37 152	37 225	37 298	0,1
Manufacture of glass and glass products, non-structural non-refractory ceramicware, cutting and shaping of stone and other non-metallic mineral products n.e.c.	18 592	21 070	23 548	6,0
Division 35 - Metals, metal products, machinery and equipment	366 501	365 853	373 756	0,5
Manufacture of basic iron and steel	91 290	92 929	94 569	0,9
Manufacture of basic precious and non-ferrous metals	57 395	58 078	58 761	0,6
Manufacture of structural metal products	34 482	35 102	35 721	0,9
Treatment and coating of metals; general mechanical engineering	14 152	16 218	18 285	6,5
Manufacture of cutlery, hand tools and general hardware	2 139	2 741	3 343	11,2
Casting of iron, steel and non-ferrous metals; manufacture of tanks, reservoirs and similar containers of metal; forging, pressing, stamping and roll-forming of metal; powder metallurgy and manufacture of other fabricated metal products	43 078	45 485	47 892	2,7
Manufacture of engines and turbines, except aircraft, vehicle and motor cycle engines	2 144	2 144	2 144	0,0
Manufacture of pumps, compressors, taps and valves	12 460	13 156	13 853	2,7
Manufacture of ovens, furnaces and furnace burners	416	416	416	0,0
Manufacture of lifting and handling equipment	4 673	5 884	7 095	10,5
Manufacture of steam generators, household appliances and other general purpose machinery	30 922	31 415	31 908	0,8
Manufacture of agricultural and forestry machinery	3 331	3 371	3 410	0,6
Manufacture of machine tools	2 279	2 302	2 324	0,5
Manufacture of machinery for mining, quarrying, construction and metallurgy	32 299	32 814	33 328	0,8
Manufacture of machinery for food, beverage and tobacco processing	3 117	3 161	3 204	0,7
Manufacture of machinery for textile and leather production, weapons and ammunition and other special purpose machinery	20 152	20 637	21 122	1,2

Table 28 – Confidence intervals (95%) for income in the manufacturing industry, 2014 (concluded)

Type of manufacturer	Lower limit	Total income	Upper limit	Relative standard error
	R million			%
Division 36 - Electrical machinery and apparatus	62 860	67 632	68 952	0,4
Manufacture of electric motors, generators and transformers	20 698	20 780	20 861	0,2
Manufacture of electricity distribution and control apparatus	12 265	12 362	12 458	0,4
Manufacture of insulated wire and cable	13 865	13 865	13 865	0,0
Manufacture of accumulators, primary cells, batteries, electric lamps and lighting equipment	5 641	5 766	5 890	1,1
Manufacture of bearings, gears, gearing, driving elements and other electrical equipment	13 839	14 859	15 878	3,5
Division 37 - Telecommunication, medical and optical equipment and watches and clocks	15 098	16 279	17 459	3,7
Manufacture of electronic valves and tubes, television and radio transmitters and receivers, sound or video recording, line telephony apparatus and other electronic components	7 610	8 761	9 911	6,7
Manufacture of medical and surgical equipment and orthopaedic appliances	962	1 252	1 541	11,8
Manufacture of instruments and appliances for measuring, testing, navigating and industrial process control equipment	4 517	4 571	4 624	0,6
Manufacture of watches and clocks, optical instruments and photographic equipment	1 695	1 695	1 695	0,0
Division 38 - Transport equipment	328 919	329 564	330 211	0,1
Manufacture of bodies (coachwork) for motor vehicles, trailers and semi-trailers	9 804	10 000	10 196	1,0
Manufacture of parts for motor vehicles and their engines	59 611	60 082	60 554	0,4
Building and repairing of ships	2 392	2 460	2 527	1,4
Building and repairing of pleasure and sporting boats	516	524	533	0,8
Manufacture of aircraft	7 622	7 728	7 834	0,7
Manufacture of motor vehicles; railway and tramway locomotives and rolling stock; motor cycles; bicycles; invalid carriages and other transport equipment	248 283	248 770	249 258	0,1
Division 39 - Furniture, other manufacturing and recycling	57 772	59 522	61 272	1,5
Manufacture of furniture	11 976	13 602	15 229	6,1
Manufacture of jewellery and related articles	8 903	9 266	9 629	2,0
Manufacture of musical instruments, sports goods, games and toys	666	666	666	0,0
Manufacture of tobacco products and other manufacturing n.e.c.	21 685	22 342	22 998	1,5
Recycling of waste and scrap n.e.c.	13 646	13 646	13 646	0,0
Total	2 193 582	2 197 895	2 202 198	0,1

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

DTI	Department of Trade and Industry
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
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)*100/sample size.

Concentration ratio

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

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 2014.

Enterprise

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

Exports

Outward flow of goods and services leaving the economic territory of a country to the outside world.

Formal employment

Employment by the formal sector. The formal sector includes all businesses that are registered for VAT.

Imports

Inward flow of goods and services entering the economic territory of a country from the outside world.

Informal employment

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

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 <i>Standard Industrial Classification of all Economic Activities</i> , Fifth Edition, Report No. 09-90-02 of January 1993 (SIC).
Net profit or loss before tax	<p>Net profit or loss before tax is derived as:</p> <p>Total income plus closing inventories minus total expenditure minus opening inventories</p>
Other expenditure	<p>Other expenditure includes:</p> <ul style="list-style-type: none">• professional services, e.g. audit and other professional business services, legal expenses and data processing services;• donations and sponsorship;• amortisation; and• subscriptions.
Profit margin	<p>Profit margin is derived as:</p> <p>Net profit or loss after tax divided by turnover multiplied by 100</p>
Salaries and wages	<p>Salaries and wages include:</p> <ul style="list-style-type: none">• 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.
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.