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Statistical release

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Manufacturing: Production and sales (Preliminary)

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This is the first publication presenting production indices with 2012 weights based on the 2012 national accounts value added results. Previously, the manufacturing divisions and total manufacturing production indices were calculated using weights based on the 2011 national accounts value added results.

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Key figures for February 2015

Table A – Manufacturing production and sales

| Estimates | February 2015 | % change between February 2014 and February 2015 | % change between December 2013 to February 2014 and December 2014 to February 2015 | % change between January to February 2014 and January to February 2015 |
|--|---------------|--|--|--|
| Physical volume of manufacturing production index (base: 2010=100) | 101,6 | -0,5 | -0,5 | -1,4 |
| Total estimated sales of manufactured products (R million) | 142 957 | -2,3 | 0,8 | -1,5 |

| Seasonally adjusted estimates | February 2015 | % change between January and February 2015 | % change between September to November 2014 and December 2014 to February 2015 |
|--|---------------|--|--|
| Physical volume of manufacturing production index (base: 2010=100) | 106,9 | 0,7 | -0,8 |
| Total value of sales of manufactured products (R million) | 148 863 | -1,3 | -3,3 |

Manufacturing production decreased by 0,5% in February 2015 compared with February 2014.

The 0,5% year-on-year decrease in manufacturing production in February 2015 was mainly due to lower production in the following divisions:

- petroleum, chemical products, rubber and plastic products (-2,0% and contributing -0,5 of a percentage point);
- furniture and ‘other’ manufacturing (-8,9% and contributing -0,3 of a percentage point); and
- wood and wood products, paper, publishing and printing (-2,0% and contributing -0,3 of a percentage point) (see Table 4b).

Seasonally adjusted manufacturing production decreased by 0,8% in the three months ended February 2015 compared with the previous three months. Seven of the ten manufacturing divisions reported negative growth rates over this period.

The largest negative contributions to the decrease of 0,8% were made by the following divisions:

- radio, television and communication apparatus and professional equipment (-18,3% and contributing -0,3 of a percentage point);
- motor vehicles, parts and accessories and other transport equipment (-3,7% and contributing -0,3 of a percentage point); and
- wood and wood products, paper, publishing and printing (-2,1% and contributing -0,3 of a percentage point) (see Table B).

Table B – Contribution of manufacturing divisions and major groups to the total three-monthly seasonally adjusted manufacturing production

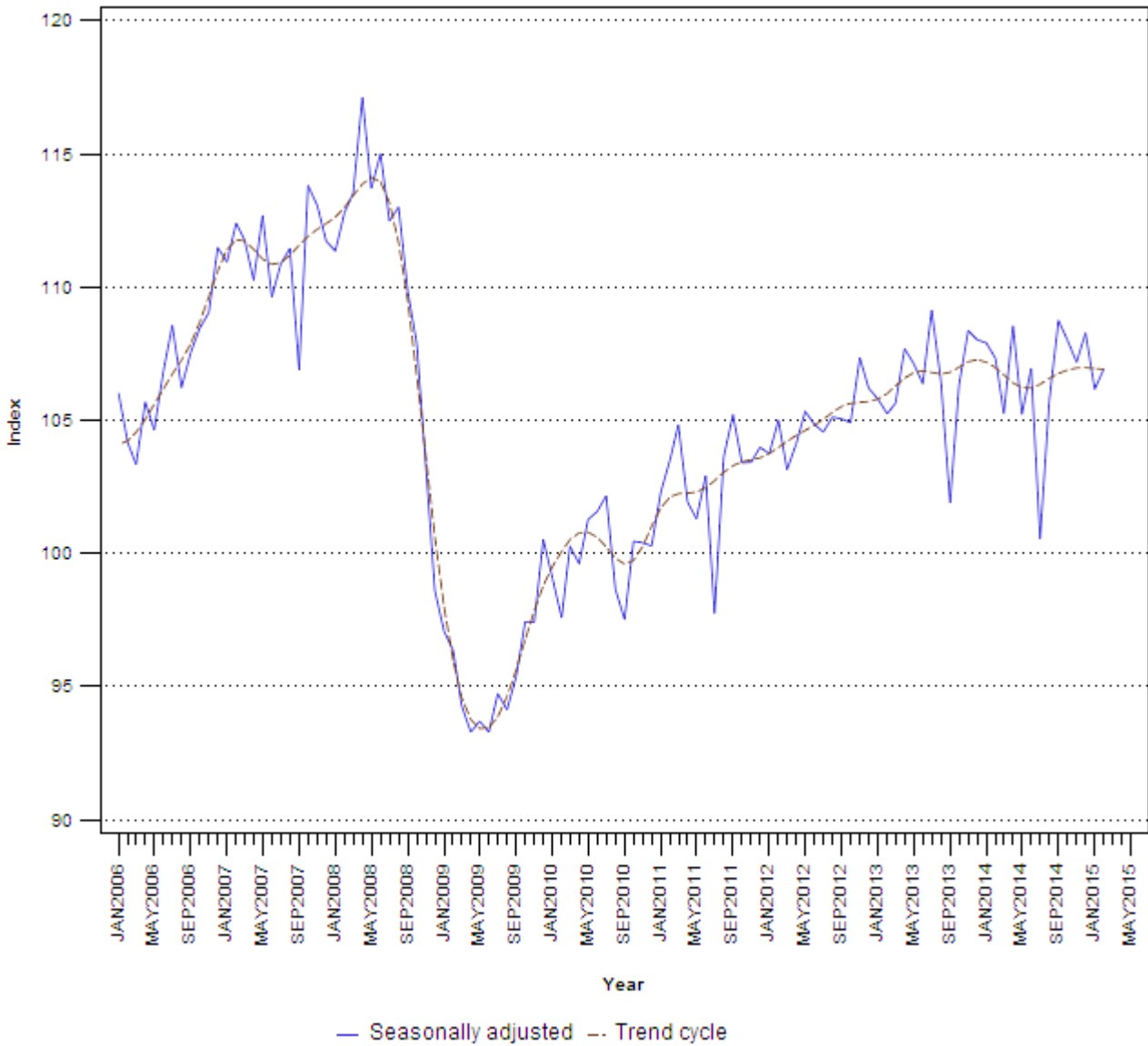
Base: 2010=100

| Manufacturing divisions and major groups | Weights 2012 | Average seasonally adjusted production index for September to November 2014 | Average seasonally adjusted production index for December 2014 to February 2015 | Quarterly % change of December 2014 to February 2015 compared with the preceding three months | Contribution (% points) to the seasonally adjusted quarterly % change in total manufacturing production 1/ |
|---|---------------|---|---|---|---|
| Food and beverages | 24,44 | 110,5 | 112,8 | 2,1 | 0,5 |
| -Meat, fish, fruit, etc. | 5,39 | 115,7 | 117,6 | 1,6 | 0,1 |
| -Dairy products | 1,78 | 109,7 | 112,0 | 2,1 | 0,0 |
| -Grain mill products | 2,86 | 102,7 | 103,4 | 0,7 | 0,0 |
| -Other food products | 7,73 | 106,4 | 110,6 | 3,9 | 0,3 |
| -Beverages | 6,68 | 114,7 | 115,8 | 1,0 | 0,1 |
| Textiles, clothing, leather and footwear | 3,17 | 99,5 | 98,2 | -1,3 | 0,0 |
| -Textiles | 1,21 | 89,7 | 87,8 | -2,1 | 0,0 |
| -Wearing apparel | 1,29 | 99,9 | 96,9 | -3,0 | 0,0 |
| -Leather and leather products | 0,28 | 121,2 | 124,2 | 2,5 | 0,0 |
| -Footwear | 0,39 | 110,6 | 111,8 | 1,1 | 0,0 |
| Wood and wood products, paper, publishing and printing | 12,65 | 104,9 | 102,7 | -2,1 | -0,3 |
| -Wood and products of wood | 4,38 | 107,8 | 105,8 | -1,9 | -0,1 |
| -Paper and paper products | 4,89 | 103,2 | 103,0 | -0,2 | 0,0 |
| -Publishing and printing | 3,38 | 101,7 | 94,7 | -6,9 | -0,2 |
| Petroleum, chemical products, rubber and plastic products | 22,13 | 110,3 | 109,2 | -1,0 | -0,2 |
| -Coke, petroleum products and nuclear fuel | 7,77 | 103,4 | 107,2 | 3,7 | 0,3 |
| -Basic chemicals | 3,81 | 118,8 | 108,9 | -8,3 | -0,3 |
| -Other chemical products | 6,49 | 116,4 | 117,4 | 0,9 | 0,1 |
| -Rubber products | 1,00 | 108,5 | 97,9 | -9,8 | -0,1 |
| -Plastic products | 3,06 | 104,5 | 100,9 | -3,4 | -0,1 |
| Glass and non-metallic mineral products | 3,91 | 99,3 | 95,5 | -3,8 | -0,1 |
| -Glass and glass products | 0,78 | 88,5 | 91,3 | 3,2 | 0,0 |
| -Non-metallic mineral products | 3,13 | 102,0 | 96,5 | -5,4 | -0,2 |
| Basic iron and steel, non-ferrous metal products, metal products and machinery | 19,59 | 104,4 | 105,1 | 0,7 | 0,1 |
| -Basic iron and steel products | 3,38 | 96,3 | 102,9 | 6,9 | 0,2 |
| -Non-ferrous metal products | 3,18 | 100,8 | 97,7 | -3,1 | -0,1 |
| -Fabricated metal products | 6,29 | 109,1 | 106,5 | -2,4 | -0,2 |
| -Machinery and equipment | 6,74 | 102,3 | 104,7 | 2,3 | 0,1 |
| Electrical machinery | 1,70 | 103,4 | 107,4 | 3,9 | 0,1 |
| Radio, television and communication apparatus and professional equipment | 1,41 | 146,2 | 119,5 | -18,3 | -0,3 |
| -Radio, television and communication apparatus | 0,90 | 171,0 | 128,9 | -24,6 | -0,4 |
| -Professional equipment | 0,51 | 102,0 | 102,8 | 0,8 | 0,0 |
| Motor vehicles, parts and accessories and other transport equipment | 7,39 | 113,4 | 109,2 | -3,7 | -0,3 |
| -Motor vehicles | 2,98 | 141,1 | 131,3 | -6,9 | -0,3 |
| -Bodies for motor vehicles, trailers and semi-trailers | 0,43 | 112,6 | 111,3 | -1,2 | 0,0 |
| -Parts and accessories | 2,77 | 90,4 | 89,1 | -1,4 | 0,0 |
| -Other transport equipment | 1,21 | 98,2 | 100,1 | 1,9 | 0,0 |
| Furniture and other manufacturing division | 3,61 | 99,6 | 93,6 | -6,0 | -0,2 |
| -Furniture | 1,08 | 110,7 | 111,3 | 0,5 | 0,0 |
| -Other manufacturing groups | 2,53 | 94,9 | 86,0 | -9,4 | -0,2 |
| Total | 100,00 | 108,0 | 107,1 | -0,8 | -0,8 |

1/ The contribution (percentage points) of a major group or division to the total seasonally adjusted manufacturing production is calculated by multiplying the difference in the index of the major group or division by the weight of the major group or division and then dividing by the previous period total manufacturing index. Figures have been rounded off.

Figure 1 – Index of the physical volume of manufacturing production: 2006 – 2015

Base: 2010=100



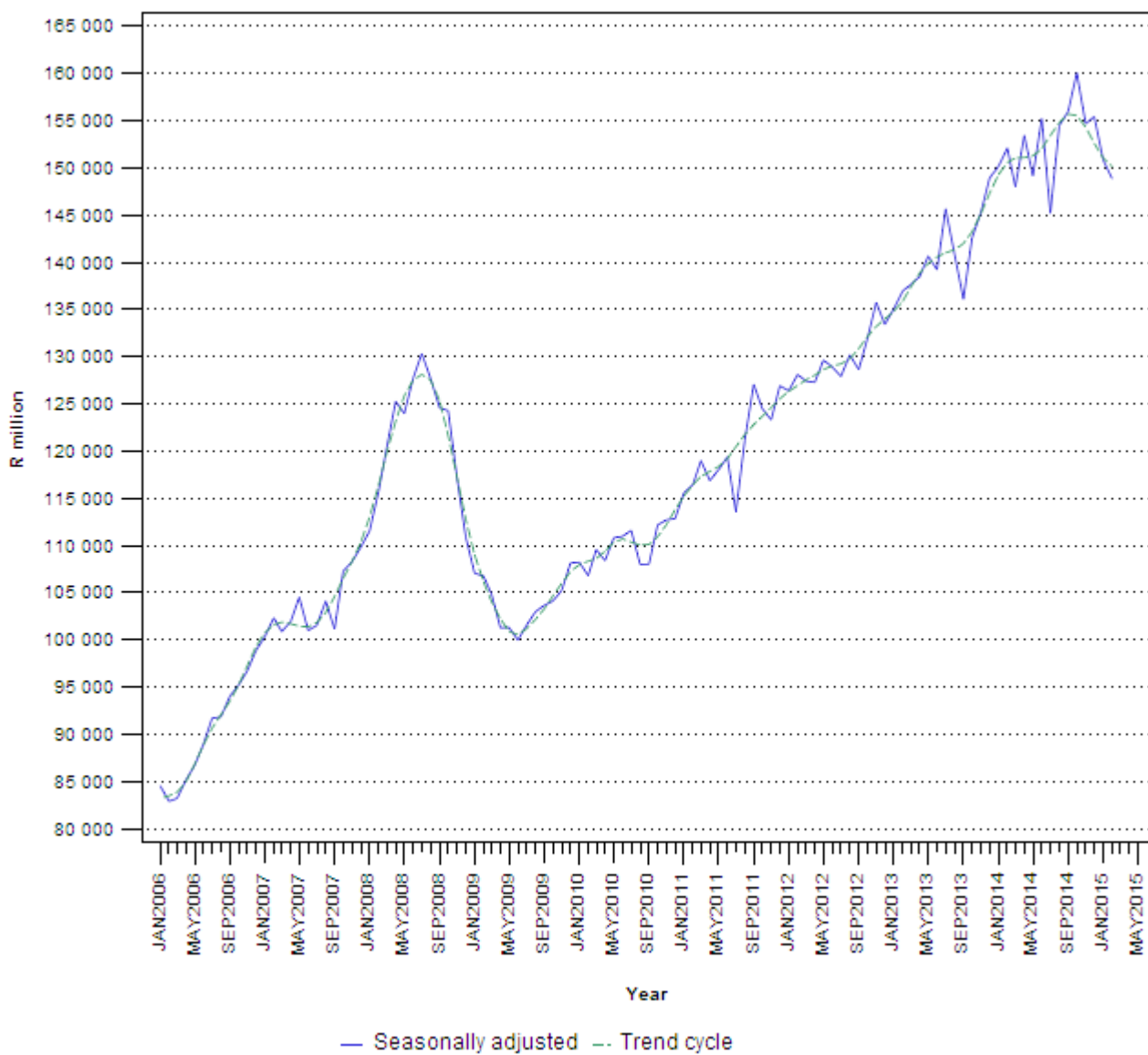
Seasonally adjusted sales of manufactured products (at current prices) decreased by 3,3% (-R15 595 million) in the three months ended February 2015 compared with the previous three months.

The manufacturing divisions that were mainly responsible for the decrease in total manufacturing sales were petroleum, chemical products, rubber and plastic products (-7,7% or -R8 729 million) and motor vehicles, parts and accessories and other transport equipment (-8,7% or -R5 208 million) (see Table C).

Table C – Contribution of manufacturing divisions and major groups to the three-monthly total seasonally adjusted sales of the manufacturing industry at current prices

| Manufacturing divisions and major groups | Seasonally adjusted sales September to November 2014 | Seasonally adjusted sales December 2014 to February 2015 | % change between September to November 2014 and December 2014 to February 2015 | Difference in seasonally adjusted sales of manufacturing divisions between September to November 2014 and December 2014 to February 2015 |
|---|--|--|--|--|
| | R'000 | R'000 | % | R'000 |
| Food and beverages | 99 135 649 | 100 764 014 | 1,6 | 1 628 365 |
| -Food and food products | 71 596 849 | 73 249 435 | 2,3 | 1 652 586 |
| -Beverages | 27 538 800 | 27 514 580 | -0,1 | -24 220 |
| Textiles, clothing, leather and footwear | 12 636 630 | 12 559 328 | -0,6 | -77 302 |
| -Textiles | 4 765 557 | 4 708 705 | -1,2 | -56 852 |
| -Wearing apparel | 4 992 873 | 4 898 232 | -1,9 | -94 641 |
| -Leather and leather products | 1 614 624 | 1 714 806 | 6,2 | 100 182 |
| -Footwear | 1 263 577 | 1 237 585 | -2,1 | -25 992 |
| Wood and wood products, paper, publishing and printing | 34 625 169 | 34 200 795 | -1,2 | -424 374 |
| -Wood and products of wood | 7 426 545 | 7 342 140 | -1,1 | -84 405 |
| -Paper and paper products | 15 603 923 | 15 858 088 | 1,6 | 254 165 |
| -Publishing and printing | 11 594 700 | 11 000 567 | -5,1 | -594 133 |
| Petroleum, chemical products, rubber and plastic products | 114 074 572 | 105 345 363 | -7,7 | -8 729 209 |
| -Coke, petroleum products and nuclear fuel | 45 535 073 | 40 287 619 | -11,5 | -5 247 454 |
| -Basic chemicals | 24 658 222 | 21 911 370 | -11,1 | -2 746 852 |
| -Other chemical products | 26 007 254 | 26 133 769 | 0,5 | 126 515 |
| -Rubber products | 4 444 741 | 3 884 408 | -12,6 | -560 333 |
| -Plastic products | 13 429 282 | 13 128 195 | -2,2 | -301 087 |
| Glass and non-metallic mineral products | 13 902 533 | 13 567 452 | -2,4 | -335 081 |
| -Glass and glass products | 2 335 320 | 2 337 006 | 0,1 | 1 686 |
| -Non-metallic mineral products | 11 567 213 | 11 230 446 | -2,9 | -336 767 |
| Basic iron and steel, non-ferrous metal products, metal products and machinery | 102 068 277 | 100 165 388 | -1,9 | -1 902 889 |
| -Basic iron and steel products | 31 339 170 | 30 783 265 | -1,8 | -555 905 |
| -Non-ferrous metal products | 22 826 827 | 21 855 132 | -4,3 | -971 695 |
| -Fabricated metal products | 24 140 388 | 23 535 757 | -2,5 | -604 631 |
| -Machinery and equipment | 23 761 891 | 23 991 233 | 1,0 | 229 342 |
| Electrical machinery | 13 770 450 | 14 298 077 | 3,8 | 527 627 |
| Radio, television and communication apparatus and professional equipment | 5 360 296 | 4 562 851 | -14,9 | -797 445 |
| -Radio, television and communication apparatus | 3 357 095 | 2 542 443 | -24,3 | -814 652 |
| -Professional equipment | 2 003 201 | 2 020 408 | 0,9 | 17 207 |
| Motor vehicles, parts and accessories and other transport equipment | 59 664 214 | 54 456 645 | -8,7 | -5 207 569 |
| -Motor vehicles, trailers, parts and accessories | 54 173 132 | 48 768 346 | -10,0 | -5 404 786 |
| -Other transport equipment | 5 491 081 | 5 688 299 | 3,6 | 197 218 |
| Furniture and other manufacturing division | 15 485 724 | 15 208 280 | -1,8 | -277 444 |
| -Furniture | 3 814 093 | 4 070 155 | 6,7 | 256 062 |
| -Other manufacturing groups | 11 671 631 | 11 138 126 | -4,6 | -533 505 |
| Total | 470 723 515 | 455 128 193 | -3,3 | -15 595 322 |

Figure 2 – Total estimated sales of the manufacturing industry at current prices: 2006 – 2015



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Note – Reweighting of manufacturing production

Introduction

Statistics South Africa (Stats SA) conducts a monthly survey of the manufacturing industry covering manufacturing enterprises. This statistical release contains monthly indices of the physical volume of manufacturing production and monthly sales of manufactured products. The results of the manufacturing production indices published today contain changes related to reweighting.

Reweighting

New weights for the manufacturing groups and divisions were calculated based on the national accounts value added weights for 2012. Previously, the weights were calculated from the national accounts value added weights for 2011. The new and old weights are shown in Table D below and in more detail in Table F on page 23. The new weights have been applied to the manufacturing production indices starting from January 2012. In 2016, the manufacturing indices will be reweighted based on the 2013 national accounts value added weights.

The impact of reweighting the index of manufacturing production is illustrated in Tables D and E and Figure 3.

Table D – Comparison of manufacturing production indices based on 2011 and 2012 weights

| Manufacturing divisions | Weights 2011 | Weights 2012 | Year to date annual % change for 2015 | | Difference in results (% points) |
|--|--------------|--------------|---------------------------------------|---------------------------|----------------------------------|
| | | | Using 2011 weights (%) 1/ | Using 2012 weights (%) 1/ | |
| Food and beverages | 23,82 | 24,44 | 0,0 | -0,1 | -0,1 |
| Textiles, clothing, leather and footwear | 2,92 | 3,17 | -0,9 | -1,4 | -0,5 |
| Wood and wood products, paper, publishing and printing | 9,46 | 12,65 | -3,4 | -1,6 | 1,8 |
| Petroleum, chemical products, rubber and plastic products | 22,52 | 22,13 | -1,8 | -1,3 | 0,5 |
| Glass and non-metallic mineral products | 4,42 | 3,91 | -6,1 | -6,1 | 0,0 |
| Basic iron and steel, non-ferrous metal and metal products and machinery | 20,40 | 19,59 | 0,2 | 0,1 | -0,1 |
| Electrical machinery | 2,37 | 1,70 | -2,2 | -2,2 | 0,0 |
| Radio, television and communication apparatus and professional equipment | 1,45 | 1,41 | -16,5 | -17,1 | -0,6 |
| Motor vehicles, parts and accessories and other transport equipment | 8,58 | 7,39 | -0,5 | -1,0 | -0,5 |
| Furniture and other manufacturing division | 4,06 | 3,61 | -8,1 | -8,1 | 0,0 |
| Total manufacturing | 100 | 100 | -1,7 | -1,4 | 0,3 |

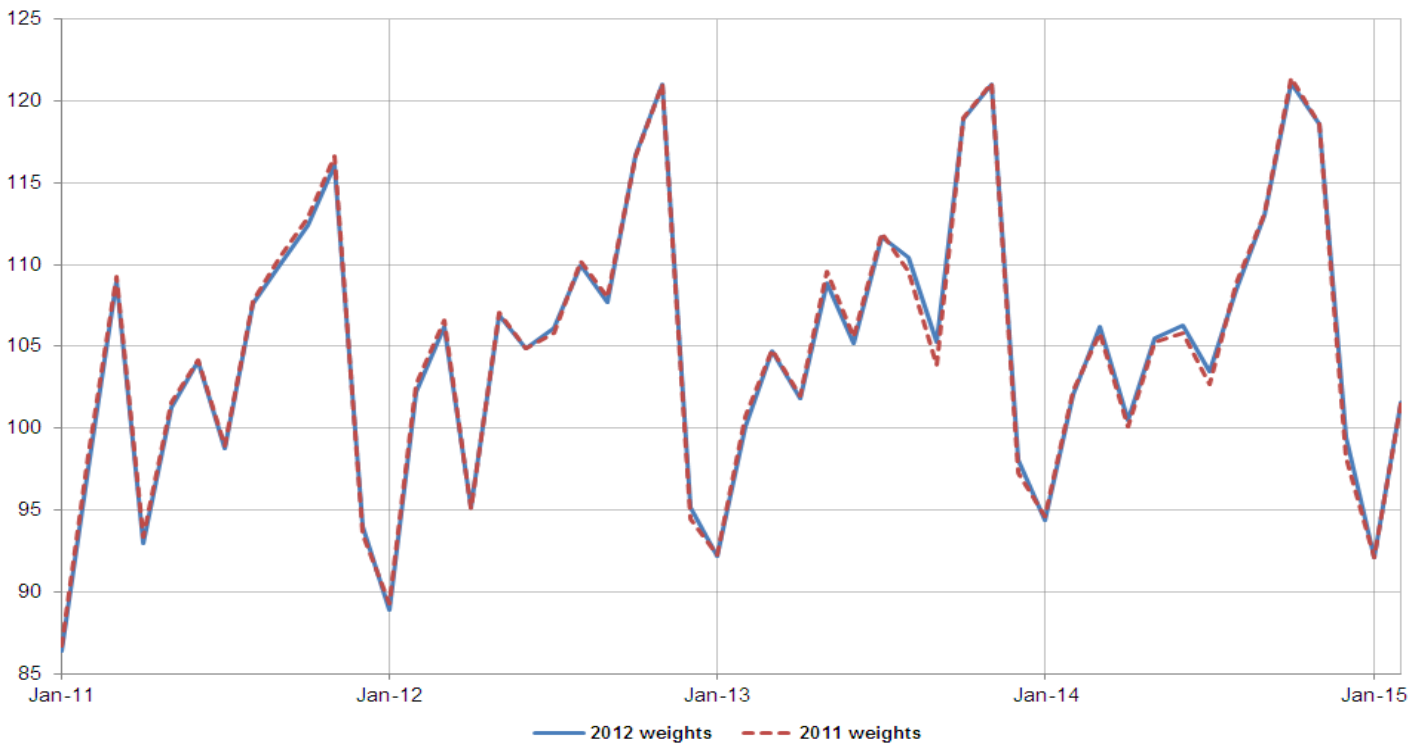
1/ Up to February 2015.

Table E – Annual percentage change in manufacturing production indices based on 2011 and 2012 weights

| Manufacturing divisions | 2011 weights | | | 2012 weights | | |
|--|--------------|------------|-------------|--------------|------------|------------|
| | 2012 | 2013 | 2014 | 2012 | 2013 | 2014 |
| Food and beverages | 1,9 | 3,6 | 2,1 | 1,7 | 3,8 | 2,1 |
| Textiles, clothing, leather and footwear | -1,5 | 0,8 | 0,6 | -0,6 | 1,4 | 0,6 |
| Wood and wood products, paper, publishing and printing | 2,3 | -0,2 | -0,2 | 1,7 | 0,1 | 0,9 |
| Petroleum, chemical products, rubber and plastic products | 5,2 | 1,1 | 0,3 | 4,9 | 0,8 | 0,1 |
| Glass and non-metallic mineral products | 0,4 | 1,6 | -5,9 | 0,4 | 1,6 | -5,8 |
| Basic iron and steel, non-ferrous metal and metal products and machinery | 0,3 | 1,8 | -3,0 | 1,7 | 1,9 | -2,9 |
| Electrical machinery | -1,4 | 3,9 | -1,8 | -1,6 | 3,8 | -2,1 |
| Radio, television and communication apparatus and professional equipment | 9,1 | 4,1 | 9,7 | 9,7 | 4,5 | 10,3 |
| Motor vehicles, parts and accessories and other transport equipment | 3,1 | -1,8 | 0,0 | 2,1 | -2,0 | -0,3 |
| Furniture and other manufacturing division | 0,8 | -7,6 | 3,4 | 0,6 | -6,7 | 3,2 |
| Total manufacturing | 2,3 | 1,2 | -0,1 | 2,2 | 1,3 | 0,1 |

Figure 3 – Comparison of the total manufacturing production index based on 2011 and 2012 weights

Base 2010 = 100



Note: The series with 2012 weights is shown for 2011 for comparison purposes only.

Detailed results

Table 1 – Total index of the physical volume of manufacturing production: 2009 – 2015

Base: 2010=100

| Month | 2009 | 2010 | 2011 | *2012 | *2013 | *2014 | 2015 |
|-------------|-------------|--------------|--------------|--------------|--------------|--------------|----------|
| Jan | 82,7 | 84,5 | 86,7 | 88,9 | 92,2 | 94,4 | 1/ 92,1 |
| Feb | 91,1 | 92,2 | 98,4 | 102,2 | 100,1 | 102,1 | 1/ 101,6 |
| Mar | 97,6 | 103,8 | 109,3 | 106,2 | 104,7 | 106,2 | |
| Apr | 86,6 | 93,4 | 93,4 | 95,2 | 101,8 | 100,5 | |
| May | 94,2 | 100,6 | 101,6 | 106,9 | 108,9 | 105,5 | |
| Jun | 94,5 | 102,9 | 104,2 | 104,9 | 105,2 | 106,3 | |
| Jul | 98,2 | 105,3 | 98,9 | 106,1 | 111,7 | 103,5 | |
| Aug | 96,3 | 101,6 | 107,8 | 110,0 | 110,4 | 108,5 | |
| Sep | 99,9 | 102,2 | 110,4 | 107,7 | 105,3 | 113,0 | |
| Oct | 108,4 | 110,3 | 112,9 | 116,7 | 118,9 | 121,1 | |
| Nov | 107,9 | 112,2 | 116,6 | 121,0 | 121,0 | 118,6 | |
| Dec | 89,2 | 91,0 | 93,5 | 95,2 | 98,1 | 1/ 99,5 | |
| Year | 95,6 | 100,0 | 102,8 | 105,1 | 106,5 | 106,6 | |

1/ Preliminary.

* Revised due to reweighting. See note on page 7.

Table 2 – Annual percentage change in the total index of the physical volume of manufacturing production: 2009 – 2015 2/

| Month | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 |
|-------------|--------------|------------|------------|------------|------------|------------|------|
| Jan | -14,8 | 2,2 | 2,6 | 2,5 | 3,7 | 2,4 | -2,4 |
| Feb | -16,7 | 1,2 | 6,7 | 3,9 | -2,1 | 2,0 | -0,5 |
| Mar | -13,7 | 6,4 | 5,3 | -2,8 | -1,4 | 1,4 | |
| Apr | -23,2 | 7,9 | 0,0 | 1,9 | 6,9 | -1,3 | |
| May | -18,4 | 6,8 | 1,0 | 5,2 | 1,9 | -3,1 | |
| Jun | -18,3 | 8,9 | 1,3 | 0,7 | 0,3 | 1,0 | |
| Jul | -15,3 | 7,2 | -6,1 | 7,3 | 5,3 | -7,3 | |
| Aug | -16,8 | 5,5 | 6,1 | 2,0 | 0,4 | -1,7 | |
| Sep | -12,7 | 2,3 | 8,0 | -2,4 | -2,2 | 7,3 | |
| Oct | -10,3 | 1,8 | 2,4 | 3,4 | 1,9 | 1,9 | |
| Nov | -5,1 | 4,0 | 3,9 | 3,8 | 0,0 | -2,0 | |
| Dec | 3,4 | 2,0 | 2,7 | 1,8 | 3,0 | 1,4 | |
| Year | -13,8 | 4,6 | 2,8 | 2,2 | 1,3 | 0,1 | |

2/ The annual percentage change is the change in the index of the physical volume of manufacturing production of the relevant month of the current year compared with the corresponding month of the previous year expressed as a percentage.

Table 3 – Seasonally adjusted index of the total physical volume of manufacturing production: 2009 – 2015

Base: 2010=100

| Month | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 |
|-------|-------|-------|-------|-------|-------|-------|-------|
| Jan | 97,1 | 99,1 | 102,3 | 103,7 | 105,8 | 107,9 | 106,2 |
| Feb | 96,3 | 97,6 | 103,5 | 105,0 | 105,2 | 107,3 | 106,9 |
| Mar | 94,3 | 100,3 | 104,8 | 103,1 | 105,6 | 105,3 | |
| Apr | 93,3 | 99,6 | 101,9 | 104,1 | 107,7 | 108,5 | |
| May | 93,7 | 101,3 | 101,3 | 105,3 | 107,1 | 105,2 | |
| Jun | 93,3 | 101,6 | 102,9 | 104,8 | 106,4 | 106,9 | |
| Jul | 94,7 | 102,2 | 97,7 | 104,6 | 109,1 | 100,5 | |
| Aug | 94,1 | 98,7 | 103,6 | 105,1 | 106,5 | 105,7 | |
| Sep | 95,4 | 97,5 | 105,2 | 105,1 | 101,9 | 108,7 | |
| Oct | 97,4 | 100,5 | 103,4 | 104,9 | 106,3 | 108,0 | |
| Nov | 97,4 | 100,4 | 103,4 | 107,4 | 108,4 | 107,2 | |
| Dec | 100,5 | 100,3 | 104,0 | 106,2 | 108,0 | 108,3 | |

Table 4a – Indices of the physical volume of manufacturing production according to manufacturing divisions and major groups

Base: 2010=100

| Manufacturing divisions and major groups | Weights 2012 | * Average for 2014 | Actual indices | | | Seasonally adjusted indices | | |
|---|---------------|--------------------|----------------|--------------|--------------|-----------------------------|--------------|--------------|
| | | | * Feb. 2014 | 1/ Jan. 2015 | 1/ Feb. 2015 | Feb. 2014 | Jan. 2015 | Feb. 2015 |
| Food and beverages | 24,44 | 110,3 | 98,3 | 95,3 | 100,8 | 109,6 | 110,3 | 112,6 |
| -Meat, fish, fruit, etc. | 5,39 | 115,2 | 104,8 | 98,0 | 106,0 | 115,0 | 117,7 | 116,7 |
| -Dairy products | 1,78 | 107,4 | 96,3 | 118,7 | 97,7 | 105,4 | 116,0 | 107,0 |
| -Grain mill products | 2,86 | 105,2 | 96,5 | 94,4 | 93,2 | 107,2 | 103,9 | 104,2 |
| -Other food products | 7,73 | 106,8 | 86,5 | 72,7 | 92,1 | 106,7 | 98,7 | 113,1 |
| -Beverages | 6,68 | 113,3 | 107,9 | 113,4 | 110,7 | 110,6 | 119,1 | 113,8 |
| Textiles, clothing, leather and footwear | 3,17 | 97,1 | 99,6 | 71,8 | 99,4 | 97,3 | 98,6 | 97,0 |
| -Textiles | 0,74 | 82,0 | 90,2 | 63,9 | 92,3 | 80,6 | 80,2 | 82,3 |
| -Other textile products | 0,47 | 96,0 | 99,2 | 79,2 | 98,9 | 95,7 | 105,4 | 95,5 |
| -Knitted, crocheted articles | 0,10 | 56,9 | 68,0 | 39,8 | 57,6 | 60,2 | 55,0 | 51,7 |
| -Wearing apparel | 1,19 | 101,5 | 100,5 | 65,8 | 98,1 | 103,0 | 97,9 | 100,4 |
| -Leather and leather products | 0,28 | 123,1 | 125,2 | 107,4 | 124,0 | 119,4 | 120,8 | 119,0 |
| -Footwear | 0,39 | 105,0 | 105,0 | 78,5 | 110,2 | 107,2 | 122,3 | 111,7 |
| Wood and wood products, paper, publishing and printing | 12,65 | 104,2 | 98,4 | 87,3 | 96,4 | 103,8 | 100,3 | 101,9 |
| -Sawmilling and planing of wood | 1,83 | 114,1 | 114,3 | 108,6 | 127,0 | 114,8 | 121,0 | 127,5 |
| -Products of wood | 2,55 | 100,4 | 97,2 | 82,0 | 96,9 | 101,1 | 99,8 | 100,2 |
| -Paper and paper products | 4,89 | 103,7 | 95,0 | 88,9 | 92,1 | 102,5 | 99,8 | 99,7 |
| -Publishing | 1,51 | 106,3 | 96,4 | 77,0 | 85,9 | 108,0 | 91,0 | 97,4 |
| -Printing, recorded media | 1,87 | 99,5 | 94,8 | 78,0 | 85,5 | 96,8 | 89,5 | 88,2 |
| Petroleum, chemical products, rubber and plastic products | 22,13 | 108,1 | 104,6 | 102,5 | 102,5 | 109,6 | 109,6 | 107,5 |
| -Coke, petroleum products and nuclear fuel | 7,77 | 102,5 | 95,2 | 111,9 | 96,1 | 104,3 | 108,4 | 105,3 |
| -Basic chemicals | 3,81 | 115,4 | 107,7 | 101,5 | 97,2 | 115,6 | 106,2 | 105,3 |
| -Other chemical products | 6,49 | 113,0 | 110,6 | 102,5 | 115,4 | 112,2 | 118,9 | 117,0 |
| -Rubber products | 1,00 | 105,2 | 123,5 | 90,5 | 102,5 | 113,3 | 99,0 | 92,0 |
| -Plastic products | 3,06 | 104,0 | 105,7 | 83,9 | 98,2 | 108,6 | 100,8 | 100,7 |
| Glass and non-metallic mineral products | 3,91 | 99,4 | 96,0 | 75,2 | 93,1 | 104,2 | 94,5 | 101,0 |
| -Glass and glass products | 0,78 | 89,8 | 99,1 | 79,3 | 87,5 | 103,4 | 91,6 | 91,3 |
| -Non-metallic mineral products | 3,13 | 101,7 | 95,2 | 74,2 | 94,5 | 104,4 | 95,2 | 103,4 |
| Basic iron and steel, non-ferrous metal products, metal products and machinery | 19,59 | 103,8 | 102,8 | 89,5 | 103,1 | 105,6 | 105,1 | 105,8 |
| -Basic iron and steel products | 3,38 | 94,6 | 91,3 | 105,6 | 97,9 | 95,6 | 106,6 | 102,1 |
| -Non-ferrous metal products | 3,18 | 103,9 | 103,9 | 94,2 | 93,2 | 108,9 | 96,6 | 97,9 |
| -Structural metal products | 1,89 | 82,3 | 90,5 | 61,0 | 84,0 | 85,6 | 74,5 | 79,5 |
| -Other fabricated metal products | 4,40 | 120,5 | 123,2 | 95,5 | 123,6 | 122,6 | 120,9 | 123,4 |
| -General purpose machinery | 2,44 | 88,2 | 88,4 | 67,1 | 83,0 | 93,6 | 86,4 | 87,4 |
| -Special purpose machinery | 3,44 | 111,3 | 100,3 | 86,3 | 112,1 | 106,6 | 115,0 | 118,5 |
| -Household appliances | 0,86 | 114,8 | 118,1 | 117,4 | 119,3 | 118,8 | 130,1 | 120,1 |
| Electrical machinery | 1,70 | 102,3 | 103,5 | 79,0 | 100,5 | 107,0 | 106,1 | 104,3 |
| Radio, television and communication apparatus and professional equipment | 1,41 | 141,5 | 121,0 | 80,8 | 118,1 | 115,5 | 100,7 | 113,8 |
| -Radio, television and communication apparatus | 0,90 | 163,7 | 132,1 | 85,3 | 124,9 | 121,9 | 101,5 | 116,6 |
| -Professional equipment | 0,51 | 101,8 | 101,2 | 72,7 | 106,0 | 104,0 | 99,3 | 108,7 |
| Motor vehicles, parts and accessories and other transport equipment | 7,39 | 107,8 | 111,2 | 95,4 | 112,4 | 111,6 | 110,5 | 112,7 |
| -Motor vehicles | 2,98 | 128,6 | 132,5 | 118,9 | 137,2 | 132,0 | 136,9 | 136,8 |
| -Bodies for motor vehicles, trailers and semi-trailers | 0,43 | 107,2 | 110,0 | 79,2 | 121,5 | 108,8 | 114,2 | 119,9 |
| -Parts and accessories | 2,77 | 90,8 | 97,2 | 81,0 | 92,6 | 96,5 | 91,9 | 91,7 |
| -Other transport equipment | 1,21 | 95,5 | 91,5 | 76,4 | 93,6 | 96,7 | 86,9 | 98,8 |
| Furniture and other manufacturing division | 3,61 | 98,6 | 103,0 | 76,8 | 93,8 | 100,4 | 95,6 | 90,7 |
| -Furniture | 1,08 | 113,2 | 102,3 | 76,3 | 93,3 | 110,2 | 120,4 | 101,1 |
| -Other manufacturing groups | 2,53 | 92,3 | 103,4 | 77,1 | 94,1 | 96,2 | 84,9 | 86,3 |
| Total | 100,00 | 106,6 | 102,1 | 92,1 | 101,6 | 107,3 | 106,2 | 106,9 |

1/ Preliminary.

* Revised due to reweighting. See note on page 7.

Table 4b – Indices of the physical volume of manufacturing production according to manufacturing divisions and major groups (concluded)

Base: 2010=100

| Manufacturing divisions and major groups | Weights 2012 | * Average for 2014 | Actual indices | | | Seasonally adjusted indices | | |
|---|---------------|--------------------|----------------|--------------|--|-----------------------------|--------------|-------------------------------------|
| | | | * Feb. 2014 | 1/ Feb. 2015 | % change between Feb. 2014 and Feb. 2015 | Jan. 2015 | Feb. 2015 | % change between Jan. and Feb. 2015 |
| Food and beverages | 24,44 | 110,3 | 98,3 | 100,8 | 2,5 | 110,3 | 112,6 | 2,1 |
| -Meat, fish, fruit, etc. | 5,39 | 115,2 | 104,8 | 106,0 | 1,1 | 117,7 | 116,7 | -0,8 |
| -Dairy products | 1,78 | 107,4 | 96,3 | 97,7 | 1,5 | 116,0 | 107,0 | -7,8 |
| -Grain mill products | 2,86 | 105,2 | 96,5 | 93,2 | -3,4 | 103,9 | 104,2 | 0,3 |
| -Other food products | 7,73 | 106,8 | 86,5 | 92,1 | 6,5 | 98,7 | 113,1 | 14,6 |
| -Beverages | 6,68 | 113,3 | 107,9 | 110,7 | 2,6 | 119,1 | 113,8 | -4,5 |
| Textiles, clothing, leather and footwear | 3,17 | 97,1 | 99,6 | 99,4 | -0,2 | 98,6 | 97,0 | -1,6 |
| -Textiles | 0,74 | 82,0 | 90,2 | 92,3 | 2,3 | 80,2 | 82,3 | 2,6 |
| -Other textile products | 0,47 | 96,0 | 99,2 | 98,9 | -0,3 | 105,4 | 95,5 | -9,4 |
| -Knitted, crocheted articles | 0,10 | 56,9 | 68,0 | 57,6 | -15,3 | 55,0 | 51,7 | -6,0 |
| -Wearing apparel | 1,19 | 101,5 | 100,5 | 98,1 | -2,4 | 97,9 | 100,4 | 2,6 |
| -Leather and leather products | 0,28 | 123,1 | 125,2 | 124,0 | -1,0 | 120,8 | 119,0 | -1,5 |
| -Footwear | 0,39 | 105,0 | 105,0 | 110,2 | 5,0 | 122,3 | 111,7 | -8,7 |
| Wood and wood products, paper, publishing and printing | 12,65 | 104,2 | 98,4 | 96,4 | -2,0 | 100,3 | 101,9 | 1,6 |
| -Sawmilling and planing of wood | 1,83 | 114,1 | 114,3 | 127,0 | 11,1 | 121,0 | 127,5 | 5,4 |
| -Products of wood | 2,55 | 100,4 | 97,2 | 96,9 | -0,3 | 99,8 | 100,2 | 0,4 |
| -Paper and paper products | 4,89 | 103,7 | 95,0 | 92,1 | -3,1 | 99,8 | 99,7 | -0,1 |
| -Publishing | 1,51 | 106,3 | 96,4 | 85,9 | -10,9 | 91,0 | 97,4 | 7,0 |
| -Printing, recorded media | 1,87 | 99,5 | 94,8 | 85,5 | -9,8 | 89,5 | 88,2 | -1,5 |
| Petroleum, chemical products, rubber and plastic products | 22,13 | 108,1 | 104,6 | 102,5 | -2,0 | 109,6 | 107,5 | -1,9 |
| -Coke, petroleum products and nuclear fuel | 7,77 | 102,5 | 95,2 | 96,1 | 0,9 | 108,4 | 105,3 | -2,9 |
| -Basic chemicals | 3,81 | 115,4 | 107,7 | 97,2 | -9,7 | 106,2 | 105,3 | -0,8 |
| -Other chemical products | 6,49 | 113,0 | 110,6 | 115,4 | 4,3 | 118,9 | 117,0 | -1,6 |
| -Rubber products | 1,00 | 105,2 | 123,5 | 102,5 | -17,0 | 99,0 | 92,0 | -7,1 |
| -Plastic products | 3,06 | 104,0 | 105,7 | 98,2 | -7,1 | 100,8 | 100,7 | -0,1 |
| Glass and non-metallic mineral products | 3,91 | 99,4 | 96,0 | 93,1 | -3,0 | 94,5 | 101,0 | 6,9 |
| -Glass and glass products | 0,78 | 89,8 | 99,1 | 87,5 | -11,7 | 91,6 | 91,3 | -0,3 |
| -Non-metallic mineral products | 3,13 | 101,7 | 95,2 | 94,5 | -0,7 | 95,2 | 103,4 | 8,6 |
| Basic iron and steel, non-ferrous metal products, metal products and machinery | 19,59 | 103,8 | 102,8 | 103,1 | 0,3 | 105,1 | 105,8 | 0,7 |
| -Basic iron and steel products | 3,38 | 94,6 | 91,3 | 97,9 | 7,2 | 106,6 | 102,1 | -4,2 |
| -Non-ferrous metal products | 3,18 | 103,9 | 103,9 | 93,2 | -10,3 | 96,6 | 97,9 | 1,3 |
| -Structural metal products | 1,89 | 82,3 | 90,5 | 84,0 | -7,2 | 74,5 | 79,5 | 6,7 |
| -Other fabricated metal products | 4,40 | 120,5 | 123,2 | 123,6 | 0,3 | 120,9 | 123,4 | 2,1 |
| -General purpose machinery | 2,44 | 88,2 | 88,4 | 83,0 | -6,1 | 86,4 | 87,4 | 1,2 |
| -Special purpose machinery | 3,44 | 111,3 | 100,3 | 112,1 | 11,8 | 115,0 | 118,5 | 3,0 |
| -Household appliances | 0,86 | 114,8 | 118,1 | 119,3 | 1,0 | 130,1 | 120,1 | -7,7 |
| Electrical machinery | 1,70 | 102,3 | 103,5 | 100,5 | -2,9 | 106,1 | 104,3 | -1,7 |
| Radio, television and communication apparatus and professional equipment | 1,41 | 141,5 | 121,0 | 118,1 | -2,4 | 100,7 | 113,8 | 13,0 |
| -Radio, television and communication apparatus | 0,90 | 163,7 | 132,1 | 124,9 | -5,5 | 101,5 | 116,6 | 14,9 |
| -Professional equipment | 0,51 | 101,8 | 101,2 | 106,0 | 4,7 | 99,3 | 108,7 | 9,5 |
| Motor vehicles, parts and accessories and other transport equipment | 7,39 | 107,8 | 111,2 | 112,4 | 1,1 | 110,5 | 112,7 | 2,0 |
| -Motor vehicles | 2,98 | 128,6 | 132,5 | 137,2 | 3,5 | 136,9 | 136,8 | -0,1 |
| -Bodies for motor vehicles, trailers and semi-trailers | 0,43 | 107,2 | 110,0 | 121,5 | 10,5 | 114,2 | 119,9 | 5,0 |
| -Parts and accessories | 2,77 | 90,8 | 97,2 | 92,6 | -4,7 | 91,9 | 91,7 | -0,2 |
| -Other transport equipment | 1,21 | 95,5 | 91,5 | 93,6 | 2,3 | 86,9 | 98,8 | 13,7 |
| Furniture and other manufacturing division | 3,61 | 98,6 | 103,0 | 93,8 | -8,9 | 95,6 | 90,7 | -5,1 |
| -Furniture | 1,08 | 113,2 | 102,3 | 93,3 | -8,8 | 120,4 | 101,1 | -16,0 |
| -Other manufacturing groups | 2,53 | 92,3 | 103,4 | 94,1 | -9,0 | 84,9 | 86,3 | 1,6 |
| Total | 100,00 | 106,6 | 102,1 | 101,6 | -0,5 | 106,2 | 106,9 | 0,7 |

1/ Preliminary.

* Revised due to reweighting. See note on page 7.

Table 5 – Total estimated sales of the manufacturing industry at current prices (R'000): 2009 – 2015

| Month | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 |
|-------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------|
| Jan | 89 411 709 | 90 043 639 | 95 914 260 | 107 125 725 | 116 496 690 | 130 317 527 | 1/ 129 428 006 |
| Feb | 101 389 780 | 101 802 931 | 111 504 610 | 125 726 110 | 131 666 953 | 146 262 502 | 1/ 142 956 464 |
| Mar | 109 741 940 | 115 312 858 | 126 114 741 | 133 201 183 | 137 659 315 | 151 399 659 | |
| Apr | 93 988 030 | 101 813 278 | 108 002 905 | 117 398 378 | 133 362 802 | 143 701 281 | |
| May | 100 539 504 | 109 347 265 | 117 550 156 | 130 161 819 | 141 170 742 | 148 218 032 | |
| Jun | 102 182 642 | 113 714 894 | 122 066 418 | 130 686 381 | 139 191 581 | 156 152 997 | |
| Jul | 103 852 587 | 112 863 459 | 112 900 609 | 127 523 717 | 146 281 118 | 146 085 440 | |
| Aug | 104 831 059 | 110 602 573 | 124 733 688 | 134 271 194 | 143 904 416 | 156 424 723 | |
| Sep | 109 100 206 | 113 246 712 | 133 013 706 | 131 703 059 | 140 281 228 | 162 202 124 | |
| Oct | 114 516 711 | 121 671 719 | 133 668 047 | 144 305 886 | 156 176 718 | 175 256 749 | |
| Nov | 116 693 241 | 126 495 305 | 139 068 350 | 153 074 012 | 162 115 203 | 170 419 049 | |
| Dec | 99 259 368 | 104 538 782 | 117 666 432 | 123 592 966 | 140 400 601 | 1/ 147 994 581 | |
| Year | 1 245 506 777 | 1 321 453 415 | 1 442 203 922 | 1 558 770 430 | 1 688 707 367 | 1 834 434 664 | |

1/ Preliminary.

Table 6 – Annual percentage change in the total estimated value of sales of the manufacturing industry: 2009 – 2015 2/

| Month | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 |
|-------|--------------|------------|------------|------------|------------|------------|------|
| Jan | -5,6 | 0,7 | 6,5 | 11,7 | 8,7 | 11,9 | -0,7 |
| Feb | -10,0 | 0,4 | 9,5 | 12,8 | 4,7 | 11,1 | -2,3 |
| Mar | -8,3 | 5,1 | 9,4 | 5,6 | 3,3 | 10,0 | |
| Apr | -22,7 | 8,3 | 6,1 | 8,7 | 13,6 | 7,8 | |
| May | -19,5 | 8,8 | 7,5 | 10,7 | 8,5 | 5,0 | |
| Jun | -21,2 | 11,3 | 7,3 | 7,1 | 6,5 | 12,2 | |
| Jul | -22,2 | 8,7 | 0,0 | 13,0 | 14,7 | -0,1 | |
| Aug | -20,2 | 5,5 | 12,8 | 7,6 | 7,2 | 8,7 | |
| Sep | -16,6 | 3,8 | 17,5 | -1,0 | 6,5 | 15,6 | |
| Oct | -16,8 | 6,2 | 9,9 | 8,0 | 8,2 | 12,2 | |
| Nov | -9,0 | 8,4 | 9,9 | 10,1 | 5,9 | 5,1 | |
| Dec | -1,7 | 5,3 | 12,6 | 5,0 | 13,6 | 5,4 | |
| Year | -15,0 | 6,1 | 9,1 | 8,1 | 8,3 | 8,6 | |

2/ The annual percentage change is the change in the sales of the manufacturing industry of the relevant month of the current year compared with the sales of the corresponding month of the previous year expressed as a percentage.

Table 7 – Total seasonally adjusted sales of the manufacturing industry at current prices (R'000): 2009 – 2015

| Month | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 |
|-------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Jan | 107 053 612 | 108 226 082 | 115 586 728 | 126 389 833 | 135 048 916 | 150 151 082 | 150 841 225 |
| Feb | 106 751 276 | 106 794 000 | 116 432 976 | 128 108 129 | 136 940 358 | 152 086 222 | 148 863 335 |
| Mar | 104 846 255 | 109 539 763 | 118 980 370 | 127 409 209 | 137 623 399 | 147 992 651 | |
| Apr | 101 267 260 | 108 396 953 | 116 868 715 | 127 280 885 | 138 449 284 | 153 429 339 | |
| May | 101 309 978 | 110 794 684 | 117 986 983 | 129 627 135 | 140 649 401 | 149 177 601 | |
| Jun | 99 960 714 | 110 960 868 | 119 363 162 | 128 910 011 | 139 223 351 | 155 204 495 | |
| Jul | 101 527 634 | 111 588 837 | 113 545 753 | 127 911 793 | 145 657 409 | 145 209 853 | |
| Aug | 102 967 225 | 107 989 570 | 121 176 193 | 130 183 247 | 140 844 757 | 154 486 113 | |
| Sep | 103 648 827 | 108 016 729 | 127 059 845 | 128 631 764 | 136 099 205 | 155 976 954 | |
| Oct | 104 103 775 | 112 173 200 | 124 481 188 | 131 875 565 | 142 572 939 | 160 058 046 | |
| Nov | 105 243 718 | 112 697 235 | 123 313 455 | 135 733 066 | 145 295 153 | 154 688 513 | |
| Dec | 108 108 157 | 112 834 711 | 126 909 359 | 133 418 854 | 148 919 781 | 155 423 632 | |

Table 8a – Estimated sales of the manufacturing industry at current prices according to manufacturing divisions and major groups (R'000)

| Manufacturing divisions and major groups | Year 2014 | Actual values | | | Seasonally adjusted values | | |
|---|----------------------|--------------------|--------------------|--------------------|----------------------------|--------------------|--------------------|
| | | Feb. 2014 | 1/ Jan. 2015 | 1/ Feb. 2015 | Feb. 2014 | Jan. 2015 | Feb. 2015 |
| Food and beverages | 391 872 556 | 29 782 732 | 29 943 239 | 30 731 463 | 32 154 735 | 33 780 654 | 33 222 149 |
| -Meat, fish, fruit, etc. | 105 017 475 | 7 656 224 | 7 500 296 | 7 915 292 | 8 644 397 | 9 053 991 | 8 957 957 |
| -Dairy products | 34 033 139 | 2 420 082 | 3 075 567 | 2 675 825 | 2 616 777 | 3 128 041 | 2 898 113 |
| -Grain mill products | 64 105 154 | 4 873 232 | 4 705 101 | 4 692 315 | 5 365 266 | 5 180 604 | 5 190 673 |
| -Other food products | 81 559 806 | 6 419 489 | 6 068 092 | 6 658 544 | 7 005 471 | 6 983 595 | 7 225 729 |
| -Beverages | 107 156 982 | 8 413 705 | 8 594 183 | 8 789 487 | 8 522 821 | 9 434 421 | 8 949 675 |
| Textiles, clothing, leather and footwear | 49 328 204 | 3 956 541 | 3 036 452 | 3 991 259 | 4 021 672 | 4 169 329 | 4 064 928 |
| -Textiles | 6 299 748 | 538 158 | 421 228 | 554 579 | 508 319 | 527 813 | 523 218 |
| -Other textile products | 12 250 299 | 1 027 163 | 808 352 | 1 017 604 | 1 020 110 | 1 061 943 | 1 011 318 |
| -Knitted, crocheted articles | 2 377 787 | 219 957 | 146 557 | 207 463 | 208 731 | 198 921 | 197 533 |
| -Wearing apparel | 17 006 477 | 1 294 700 | 927 120 | 1 276 025 | 1 371 636 | 1 427 212 | 1 355 172 |
| -Leather and leather products | 6 637 099 | 556 271 | 483 728 | 578 749 | 544 622 | 543 564 | 568 005 |
| -Footwear | 4 756 794 | 320 292 | 249 467 | 356 839 | 368 251 | 409 874 | 409 680 |
| Wood and wood products, paper, publishing and printing | 135 264 401 | 10 333 712 | 9 437 243 | 10 745 235 | 10 954 424 | 11 077 578 | 11 399 719 |
| -Sawmilling and planing of wood | 10 531 005 | 847 195 | 802 076 | 996 924 | 862 451 | 932 571 | 1 012 440 |
| -Products of wood | 18 266 905 | 1 444 352 | 1 231 952 | 1 459 136 | 1 512 002 | 1 525 720 | 1 521 340 |
| -Paper and paper products | 60 931 868 | 4 607 893 | 4 398 407 | 4 898 934 | 4 958 704 | 5 169 307 | 5 263 162 |
| -Publishing | 20 066 195 | 1 501 505 | 1 271 602 | 1 467 307 | 1 636 392 | 1 481 138 | 1 609 015 |
| -Printing, recorded media | 25 468 428 | 1 932 767 | 1 733 206 | 1 922 934 | 1 984 873 | 1 968 839 | 1 993 760 |
| Petroleum, chemical products, rubber and plastic products | 452 163 910 | 35 595 962 | 31 279 641 | 31 272 141 | 38 278 025 | 34 293 705 | 33 837 133 |
| -Coke, petroleum products and nuclear fuel | 186 481 975 | 14 577 098 | 12 694 719 | 11 503 030 | 15 830 619 | 12 485 329 | 12 746 667 |
| -Basic chemicals | 96 414 360 | 7 937 456 | 6 552 595 | 5 984 621 | 8 727 403 | 7 455 854 | 6 584 909 |
| -Other chemical products | 99 738 691 | 7 318 508 | 7 339 860 | 8 265 398 | 7 774 838 | 8 773 168 | 8 805 481 |
| -Rubber products | 16 956 761 | 1 526 175 | 1 091 538 | 1 379 531 | 1 456 135 | 1 246 259 | 1 315 098 |
| -Plastic products | 52 572 123 | 4 236 725 | 3 600 929 | 4 139 561 | 4 489 028 | 4 333 092 | 4 384 976 |
| Glass and non-metallic mineral products | 55 423 709 | 4 385 303 | 3 398 168 | 4 386 813 | 4 641 608 | 4 488 034 | 4 629 665 |
| -Glass and glass products | 9 305 728 | 742 099 | 638 670 | 735 882 | 790 087 | 780 934 | 784 228 |
| -Non-metallic mineral products | 46 117 981 | 3 643 204 | 2 759 498 | 3 650 931 | 3 851 520 | 3 707 100 | 3 845 436 |
| Basic iron and steel, non-ferrous metal products, metal products and machinery | 395 312 268 | 32 248 454 | 28 212 543 | 32 454 195 | 32 582 196 | 33 253 982 | 32 818 920 |
| -Basic iron and steel products | 121 988 751 | 10 013 598 | 10 041 476 | 9 620 845 | 9 852 361 | 10 553 397 | 9 494 223 |
| -Non-ferrous metal products | 87 121 151 | 7 001 392 | 6 336 113 | 7 096 967 | 7 200 517 | 7 177 301 | 7 301 625 |
| -Structural metal products | 32 806 793 | 2 981 936 | 2 024 089 | 2 910 610 | 2 835 315 | 2 593 291 | 2 753 846 |
| -Other fabricated metal products | 60 262 135 | 4 994 197 | 3 972 815 | 5 122 852 | 5 064 636 | 5 104 311 | 5 189 159 |
| -General purpose machinery | 33 776 613 | 2 705 046 | 2 159 956 | 2 735 900 | 2 880 133 | 2 849 075 | 2 901 450 |
| -Special purpose machinery | 49 171 560 | 3 720 787 | 2 969 259 | 4 146 459 | 3 894 313 | 4 124 025 | 4 334 341 |
| -Household appliances | 10 185 265 | 831 498 | 708 835 | 820 562 | 854 917 | 852 580 | 844 273 |
| Electrical machinery | 52 900 401 | 4 755 140 | 3 459 740 | 4 650 174 | 4 655 745 | 4 618 156 | 4 555 914 |
| Radio, television and communication apparatus and professional equipment | 20 551 669 | 1 554 722 | 1 055 833 | 1 462 566 | 1 535 321 | 1 373 295 | 1 462 236 |
| -Radio, television and communication apparatus | 12 655 287 | 921 773 | 541 345 | 800 085 | 877 712 | 693 193 | 769 115 |
| -Professional equipment | 7 896 382 | 632 949 | 514 488 | 662 481 | 657 608 | 680 101 | 693 121 |
| Motor vehicles, parts and accessories and other transport equipment | 221 207 072 | 18 782 224 | 15 842 431 | 18 390 839 | 18 396 504 | 18 765 787 | 18 005 334 |
| -Motor vehicles | 125 897 542 | 10 989 848 | 8 694 620 | 10 035 297 | 10 614 611 | 10 645 296 | 9 683 798 |
| -Bodies for motor vehicles, trailers and semi-trailers | 9 108 576 | 739 907 | 522 122 | 838 638 | 752 574 | 800 713 | 849 691 |
| -Parts and accessories | 64 796 794 | 5 368 113 | 5 187 545 | 5 750 256 | 5 253 419 | 5 677 076 | 5 609 231 |
| -Other transport equipment | 21 404 160 | 1 684 356 | 1 438 144 | 1 766 648 | 1 775 899 | 1 642 700 | 1 862 613 |
| Furniture and other manufacturing division | 60 410 474 | 4 867 712 | 3 762 716 | 4 871 779 | 4 865 989 | 5 020 701 | 4 867 333 |
| -Furniture | 15 470 377 | 1 114 393 | 893 123 | 1 191 618 | 1 228 402 | 1 400 804 | 1 318 124 |
| -Other manufacturing groups | 44 940 097 | 3 753 319 | 2 869 593 | 3 680 161 | 3 637 587 | 3 619 897 | 3 549 208 |
| Total | 1 834 434 664 | 146 262 502 | 129 428 006 | 142 956 464 | 152 086 222 | 150 841 225 | 148 863 335 |

1/ Preliminary.

Table 8b – Estimated sales of the manufacturing industry at current prices according to manufacturing divisions and major groups (R'000) (concluded)

| Manufacturing divisions and major groups | Year 2014 | Actual values | | | Seasonally adjusted values | | |
|---|----------------------|--------------------|--------------------|--|----------------------------|--------------------|-------------------------------------|
| | | Feb. 2014 | 1/ Feb. 2015 | % change between Feb. 2014 and Feb. 2015 | Jan. 2015 | Feb. 2015 | % change between Jan. and Feb. 2015 |
| Food and beverages | 391 872 556 | 29 782 732 | 30 731 463 | 3,2 | 33 780 654 | 33 222 149 | -1,7 |
| -Meat, fish, fruit, etc. | 105 017 475 | 7 656 224 | 7 915 292 | 3,4 | 9 053 991 | 8 957 957 | -1,1 |
| -Dairy products | 34 033 139 | 2 420 082 | 2 675 825 | 10,6 | 3 128 041 | 2 898 113 | -7,4 |
| -Grain mill products | 64 105 154 | 4 873 232 | 4 692 315 | -3,7 | 5 180 604 | 5 190 673 | 0,2 |
| -Other food products | 81 559 806 | 6 419 489 | 6 658 544 | 3,7 | 6 983 595 | 7 225 729 | 3,5 |
| -Beverages | 107 156 982 | 8 413 705 | 8 789 487 | 4,5 | 9 434 421 | 8 949 675 | -5,1 |
| Textiles, clothing, leather and footwear | 49 328 204 | 3 956 541 | 3 991 259 | 0,9 | 4 169 329 | 4 064 928 | -2,5 |
| -Textiles | 6 299 748 | 538 158 | 554 579 | 3,1 | 527 813 | 523 218 | -0,9 |
| -Other textile products | 12 250 299 | 1 027 163 | 1 017 604 | -0,9 | 1 061 943 | 1 011 318 | -4,8 |
| -Knitted, crocheted articles | 2 377 787 | 219 957 | 207 463 | -5,7 | 198 921 | 197 533 | -0,7 |
| -Wearing apparel | 17 006 477 | 1 294 700 | 1 276 025 | -1,4 | 1 427 212 | 1 355 172 | -5,0 |
| -Leather and leather products | 6 637 099 | 556 271 | 578 749 | 4,0 | 543 564 | 568 005 | 4,5 |
| -Footwear | 4 756 794 | 320 292 | 356 839 | 11,4 | 409 874 | 409 680 | -0,0 |
| Wood and wood products, paper, publishing and printing | 135 264 401 | 10 333 712 | 10 745 235 | 4,0 | 11 077 578 | 11 399 719 | 2,9 |
| -Sawmilling and planing of wood | 10 531 005 | 847 195 | 996 924 | 17,7 | 932 571 | 1 012 440 | 8,6 |
| -Products of wood | 18 266 905 | 1 444 352 | 1 459 136 | 1,0 | 1 525 720 | 1 521 340 | -0,3 |
| -Paper and paper products | 60 931 868 | 4 607 893 | 4 898 934 | 6,3 | 5 169 307 | 5 263 162 | 1,8 |
| -Publishing | 20 066 195 | 1 501 505 | 1 467 307 | -2,3 | 1 481 138 | 1 609 015 | 8,6 |
| -Printing, recorded media | 25 468 428 | 1 932 767 | 1 922 934 | -0,5 | 1 968 839 | 1 993 760 | 1,3 |
| Petroleum, chemical products, rubber and plastic products | 452 163 910 | 35 595 962 | 31 272 141 | -12,1 | 34 293 705 | 33 837 133 | -1,3 |
| -Coke, petroleum products and nuclear fuel | 186 481 975 | 14 577 098 | 11 503 030 | -21,1 | 12 485 329 | 12 746 667 | 2,1 |
| -Basic chemicals | 96 414 360 | 7 937 456 | 5 984 621 | -24,6 | 7 455 854 | 6 584 909 | -11,7 |
| -Other chemical products | 99 738 691 | 7 318 508 | 8 265 398 | 12,9 | 8 773 168 | 8 805 481 | 0,4 |
| -Rubber products | 16 956 761 | 1 526 175 | 1 379 531 | -9,6 | 1 246 259 | 1 315 098 | 5,5 |
| -Plastic products | 52 572 123 | 4 236 725 | 4 139 561 | -2,3 | 4 333 092 | 4 384 976 | 1,2 |
| Glass and non-metallic mineral products | 55 423 709 | 4 385 303 | 4 386 813 | -0,0 | 4 488 034 | 4 629 665 | 3,2 |
| -Glass and glass products | 9 305 728 | 742 099 | 735 882 | -0,8 | 780 934 | 784 228 | 0,4 |
| -Non-metallic mineral products | 46 117 981 | 3 643 204 | 3 650 931 | 0,2 | 3 707 100 | 3 845 436 | 3,7 |
| Basic iron and steel, non-ferrous metal products, metal products and machinery | 395 312 268 | 32 248 454 | 32 454 195 | 0,6 | 33 253 982 | 32 818 920 | -1,3 |
| -Basic iron and steel products | 121 988 751 | 10 013 598 | 9 620 845 | -3,9 | 10 553 397 | 9 494 223 | -10,0 |
| -Non-ferrous metal products | 87 121 151 | 7 001 392 | 7 096 967 | 1,4 | 7 177 301 | 7 301 625 | 1,7 |
| -Structural metal products | 32 806 793 | 2 981 936 | 2 910 610 | -2,4 | 2 593 291 | 2 753 846 | 6,2 |
| -Other fabricated metal products | 60 262 135 | 4 994 197 | 5 122 852 | 2,6 | 5 104 311 | 5 189 159 | 1,7 |
| -General purpose machinery | 33 776 613 | 2 705 046 | 2 735 900 | 1,1 | 2 849 075 | 2 901 450 | 1,8 |
| -Special purpose machinery | 49 171 560 | 3 720 787 | 4 146 459 | 11,4 | 4 124 025 | 4 334 341 | 5,1 |
| -Household appliances | 10 185 265 | 831 498 | 820 562 | -1,3 | 852 580 | 844 273 | -1,0 |
| Electrical machinery | 52 900 401 | 4 755 140 | 4 650 174 | -2,2 | 4 618 156 | 4 555 914 | -1,3 |
| Radio, television and communication apparatus and professional equipment | 20 551 669 | 1 554 722 | 1 462 566 | -5,9 | 1 373 295 | 1 462 236 | 6,5 |
| -Radio, television and communication apparatus | 12 655 287 | 921 773 | 800 085 | -13,2 | 693 193 | 769 115 | 11,0 |
| -Professional equipment | 7 896 382 | 632 949 | 662 481 | 4,7 | 680 101 | 693 121 | 1,9 |
| Motor vehicles, parts and accessories and other transport equipment | 221 207 072 | 18 782 224 | 18 390 839 | -2,1 | 18 765 787 | 18 005 334 | -4,1 |
| -Motor vehicles | 125 897 542 | 10 989 848 | 10 035 297 | -8,7 | 10 645 296 | 9 683 798 | -9,0 |
| -Bodies for motor vehicles, trailers and semi-trailers | 9 108 576 | 739 907 | 838 638 | 13,3 | 800 713 | 849 691 | 6,1 |
| -Parts and accessories | 64 796 794 | 5 368 113 | 5 750 256 | 7,1 | 5 677 076 | 5 609 231 | -1,2 |
| -Other transport equipment | 21 404 160 | 1 684 356 | 1 766 648 | 4,9 | 1 642 700 | 1 862 613 | 13,4 |
| Furniture and other manufacturing division | 60 410 474 | 4 867 712 | 4 871 779 | 0,1 | 5 020 701 | 4 867 333 | -3,1 |
| -Furniture | 15 470 377 | 1 114 393 | 1 191 618 | 6,9 | 1 400 804 | 1 318 124 | -5,9 |
| -Other manufacturing groups | 44 940 097 | 3 753 319 | 3 680 161 | -1,9 | 3 619 897 | 3 549 208 | -2,0 |
| Total | 1 834 434 664 | 146 262 502 | 142 956 464 | -2,3 | 150 841 225 | 148 863 335 | -1,3 |

1/ Preliminary.

Table 9 – Annual percentage change in the three-monthly physical volume of manufacturing production and estimated sales according to manufacturing divisions and major groups

| Manufacturing divisions and major groups | Weights 2012 | Production indices (base: 2010=100) | | | Value of sales (R'000) | | |
|---|---------------|-------------------------------------|------------------------|--|------------------------|------------------------|--|
| | | * Dec. 2013 to Feb. 2014 | Dec. 2014 to Feb. 2015 | % change between Dec. 2013 to Feb. 2014 and Dec. 2014 to Feb. 2015 | Dec. 2013 to Feb. 2014 | Dec. 2014 to Feb. 2015 | % change between Dec. 2013 to Feb. 2014 and Dec. 2014 to Feb. 2015 |
| Food and beverages | 24,44 | 104,4 | 107,4 | 2,9 | 94 717 157 | 100 873 442 | 6,5 |
| -Meat, fish, fruit, etc. | 5,39 | 108,5 | 111,1 | 2,4 | 24 068 388 | 25 850 412 | 7,4 |
| -Dairy products | 1,78 | 107,8 | 113,9 | 5,7 | 7 874 773 | 9 171 298 | 16,5 |
| -Grain mill products | 2,86 | 102,6 | 97,0 | -5,5 | 15 177 320 | 14 721 767 | -3,0 |
| -Other food products | 7,73 | 86,0 | 89,9 | 4,5 | 18 739 545 | 19 950 216 | 6,5 |
| -Beverages | 6,68 | 122,3 | 127,4 | 4,2 | 28 857 131 | 31 179 749 | 8,0 |
| Textiles, clothing, leather and footwear | 3,17 | 81,5 | 82,5 | 1,2 | 10 091 404 | 10 630 895 | 5,3 |
| -Textiles | 0,74 | 70,7 | 70,7 | 0,0 | 1 275 393 | 1 352 564 | 6,1 |
| -Other textile products | 0,47 | 80,9 | 84,4 | 4,3 | 2 526 921 | 2 649 503 | 4,9 |
| -Knitted, crocheted articles | 0,10 | 52,0 | 44,6 | -14,2 | 545 314 | 486 046 | -10,9 |
| -Wearing apparel | 1,19 | 82,4 | 83,2 | 1,0 | 3 309 926 | 3 570 657 | 7,9 |
| -Leather and leather products | 0,28 | 119,8 | 115,9 | -3,3 | 1 576 259 | 1 603 219 | 1,7 |
| -Footwear | 0,39 | 79,8 | 85,9 | 7,6 | 857 591 | 968 906 | 13,0 |
| Wood and wood products, paper, publishing and printing | 12,65 | 93,6 | 93,7 | 0,1 | 30 012 850 | 31 360 085 | 4,5 |
| -Sawmilling and planing of wood | 1,83 | 99,1 | 109,4 | 10,4 | 2 366 472 | 2 544 327 | 7,5 |
| -Products of wood | 2,55 | 82,0 | 84,0 | 2,4 | 3 674 690 | 3 843 071 | 4,6 |
| -Paper and paper products | 4,89 | 95,9 | 97,2 | 1,4 | 13 619 669 | 14 869 425 | 9,2 |
| -Publishing | 1,51 | 100,0 | 91,4 | -8,6 | 4 642 898 | 4 492 614 | -3,2 |
| -Printing, recorded media | 1,87 | 92,9 | 84,3 | -9,3 | 5 709 121 | 5 610 648 | -1,7 |
| Petroleum, chemical products, rubber and plastic products | 22,13 | 104,4 | 103,1 | -1,2 | 107 590 582 | 98 281 566 | -8,7 |
| -Coke, petroleum products and nuclear fuel | 7,77 | 106,6 | 106,9 | 0,3 | 48 246 824 | 39 691 434 | -17,7 |
| -Basic chemicals | 3,81 | 110,2 | 103,7 | -5,9 | 22 339 210 | 19 919 541 | -10,8 |
| -Other chemical products | 6,49 | 102,6 | 107,5 | 4,8 | 21 593 200 | 23 640 782 | 9,5 |
| -Rubber products | 1,00 | 100,7 | 86,7 | -13,9 | 3 886 560 | 3 493 346 | -10,1 |
| -Plastic products | 3,06 | 96,5 | 88,7 | -8,1 | 11 524 788 | 11 536 463 | 0,1 |
| Glass and non-metallic mineral products | 3,91 | 86,8 | 80,4 | -7,4 | 11 329 895 | 11 198 088 | -1,2 |
| -Glass and glass products | 0,78 | 90,7 | 84,7 | -6,6 | 2 112 025 | 2 089 119 | -1,1 |
| -Non-metallic mineral products | 3,13 | 85,9 | 79,3 | -7,7 | 9 217 870 | 9 108 969 | -1,2 |
| Basic iron and steel, non-ferrous metal products, metal products and machinery | 19,59 | 93,9 | 93,3 | -0,6 | 86 185 658 | 89 874 520 | 4,3 |
| -Basic iron and steel products | 3,38 | 88,6 | 96,6 | 9,0 | 27 322 212 | 28 188 778 | 3,2 |
| -Non-ferrous metal products | 3,18 | 102,1 | 92,5 | -9,4 | 19 399 769 | 20 557 955 | 6,0 |
| -Structural metal products | 1,89 | 77,1 | 69,1 | -10,4 | 7 489 621 | 7 071 685 | -5,6 |
| -Other fabricated metal products | 4,40 | 103,8 | 103,3 | -0,5 | 12 389 961 | 13 016 620 | 5,1 |
| -General purpose machinery | 2,44 | 80,5 | 76,1 | -5,5 | 7 361 051 | 7 555 471 | 2,6 |
| -Special purpose machinery | 3,44 | 94,7 | 100,4 | 6,0 | 10 084 362 | 11 374 582 | 12,8 |
| -Household appliances | 0,86 | 104,7 | 106,2 | 1,4 | 2 138 682 | 2 109 429 | -1,4 |
| Electrical machinery | 1,70 | 85,6 | 87,1 | 1,8 | 11 321 356 | 11 979 747 | 5,8 |
| Radio, television and communication apparatus and professional equipment | 1,41 | 122,1 | 108,4 | -11,2 | 4 534 120 | 4 168 900 | -8,1 |
| -Radio, television and communication apparatus | 0,90 | 136,3 | 118,2 | -13,3 | 2 689 536 | 2 365 112 | -12,1 |
| -Professional equipment | 0,51 | 96,9 | 90,8 | -6,3 | 1 844 584 | 1 803 788 | -2,2 |
| Motor vehicles, parts and accessories and other transport equipment | 7,39 | 95,0 | 92,2 | -2,9 | 48 386 225 | 48 364 312 | 0,0 |
| -Motor vehicles | 2,98 | 109,0 | 108,4 | -0,6 | 27 927 316 | 26 633 227 | -4,6 |
| -Bodies for motor vehicles, trailers and semi-trailers | 0,43 | 85,8 | 88,6 | 3,3 | 1 738 807 | 1 898 586 | 9,2 |
| -Parts and accessories | 2,77 | 81,4 | 75,5 | -7,2 | 13 472 034 | 14 630 109 | 8,6 |
| -Other transport equipment | 1,21 | 94,7 | 91,7 | -3,2 | 5 248 068 | 5 202 390 | -0,9 |
| Furniture and other manufacturing division | 3,61 | 87,4 | 81,3 | -7,0 | 12 811 383 | 13 647 496 | 6,5 |
| -Furniture | 1,08 | 87,2 | 87,8 | 0,7 | 2 883 416 | 3 277 855 | 13,7 |
| -Other manufacturing groups | 2,53 | 87,5 | 78,5 | -10,3 | 9 927 967 | 10 369 641 | 4,4 |
| Total | 100,00 | 98,2 | 97,7 | -0,5 | 416 980 630 | 420 379 051 | 0,8 |

* Revised due to reweighting. See note on page 7.

Table 10 – Annual percentage change in the cumulative physical volume of manufacturing production and estimated sales according to manufacturing divisions and major groups

| Manufacturing divisions and major groups | Weights 2012 | Indices (base: 2010=100) | | | | Value of sales (R million) | | | |
|---|---------------|--------------------------|-------------------|---|-------------------------|----------------------------|-------------------|---|---|
| | | * Jan. to Feb. 2014. | Jan. to Feb. 2015 | Annual % change between Jan. to Feb. 2014 and Jan. to Feb. 2015 | Contribution (% points) | Jan. to Feb. 2014. | Jan. to Feb. 2015 | Annual % change between Jan. to Feb. 2014 and Jan. to Feb. 2015 | Difference in sales between Jan. to Feb. 2014 and Jan. to Feb. 2015 |
| Food and beverages | 24,44 | 98,2 | 98,1 | -0,1 | 0,0 | 58 016 | 60 675 | 4,6 | 2 659 |
| -Meat, fish, fruit, etc. | 5,39 | 102,2 | 102,0 | -0,2 | 0,0 | 14 868 | 15 416 | 3,7 | 548 |
| -Dairy products | 1,78 | 103,2 | 108,2 | 4,8 | 0,1 | 5 055 | 5 751 | 13,8 | 696 |
| -Grain mill products | 2,86 | 99,2 | 93,8 | -5,4 | -0,2 | 9 887 | 9 397 | -5,0 | -490 |
| -Other food products | 7,73 | 85,0 | 82,4 | -3,1 | -0,2 | 12 079 | 12 727 | 5,4 | 648 |
| -Beverages | 6,68 | 108,3 | 112,1 | 3,5 | 0,3 | 16 126 | 17 384 | 7,8 | 1 258 |
| Textiles, clothing, leather and footwear | 3,17 | 86,8 | 85,6 | -1,4 | 0,0 | 6 926 | 7 028 | 1,5 | 102 |
| -Textiles | 0,74 | 79,9 | 78,1 | -2,3 | 0,0 | 955 | 976 | 2,2 | 21 |
| -Other textile products | 0,47 | 85,8 | 89,1 | 3,8 | 0,0 | 1 774 | 1 826 | 2,9 | 52 |
| -Knitted, crocheted articles | 0,10 | 55,5 | 48,7 | -12,3 | 0,0 | 379 | 354 | -6,6 | -25 |
| -Wearing apparel | 1,19 | 86,6 | 82,0 | -5,3 | -0,1 | 2 210 | 2 203 | -0,3 | -7 |
| -Leather and leather products | 0,28 | 121,0 | 115,7 | -4,4 | 0,0 | 1 059 | 1 062 | 0,3 | 3 |
| -Footwear | 0,39 | 85,1 | 94,4 | 10,9 | 0,0 | 550 | 606 | 10,2 | 56 |
| Wood and wood products, paper, publishing and printing | 12,65 | 93,4 | 91,9 | -1,6 | -0,2 | 19 542 | 20 182 | 3,3 | 640 |
| -Sawmilling and planing of wood | 1,83 | 104,5 | 117,8 | 12,7 | 0,2 | 1 568 | 1 799 | 14,7 | 231 |
| -Products of wood | 2,55 | 88,9 | 89,5 | 0,7 | 0,0 | 2 635 | 2 691 | 2,1 | 56 |
| -Paper and paper products | 4,89 | 93,1 | 90,5 | -2,8 | -0,1 | 8 758 | 9 297 | 6,2 | 539 |
| -Publishing | 1,51 | 93,7 | 81,5 | -13,0 | -0,2 | 2 926 | 2 739 | -6,4 | -187 |
| -Printing, recorded media | 1,87 | 89,1 | 81,8 | -8,2 | -0,1 | 3 656 | 3 656 | 0,0 | 0 |
| Petroleum, chemical products, rubber and plastic products | 22,13 | 103,9 | 102,5 | -1,3 | -0,3 | 71 384 | 62 552 | -12,4 | -8 832 |
| -Coke, petroleum products and nuclear fuel | 7,77 | 102,6 | 104,0 | 1,4 | 0,1 | 31 152 | 24 198 | -22,3 | -6 954 |
| -Basic chemicals | 3,81 | 107,9 | 99,4 | -7,9 | -0,3 | 15 256 | 12 537 | -17,8 | -2 719 |
| -Other chemical products | 6,49 | 104,0 | 109,0 | 4,8 | 0,3 | 14 263 | 15 605 | 9,4 | 1 342 |
| -Rubber products | 1,00 | 114,6 | 96,5 | -15,8 | -0,2 | 2 804 | 2 471 | -11,9 | -333 |
| -Plastic products | 3,06 | 99,0 | 91,1 | -8,0 | -0,2 | 7 908 | 7 740 | -2,1 | -168 |
| Glass and non-metallic mineral products | 3,91 | 89,7 | 84,2 | -6,1 | -0,2 | 7 943 | 7 785 | -2,0 | -158 |
| -Glass and glass products | 0,78 | 89,4 | 83,4 | -6,7 | 0,0 | 1 394 | 1 375 | -1,4 | -19 |
| -Non-metallic mineral products | 3,13 | 89,8 | 84,4 | -6,0 | -0,2 | 6 549 | 6 410 | -2,1 | -139 |
| Basic iron and steel, non-ferrous metal products, metal products and machinery | 19,59 | 96,2 | 96,3 | 0,1 | 0,0 | 59 783 | 60 667 | 1,5 | 884 |
| -Basic iron and steel products | 3,38 | 92,7 | 101,8 | 9,8 | 0,3 | 19 894 | 19 662 | -1,2 | -232 |
| -Non-ferrous metal products | 3,18 | 105,3 | 93,7 | -11,0 | -0,4 | 13 011 | 13 433 | 3,2 | 422 |
| -Structural metal products | 1,89 | 81,3 | 72,5 | -10,8 | -0,2 | 5 277 | 4 935 | -6,5 | -342 |
| -Other fabricated metal products | 4,40 | 108,1 | 109,6 | 1,4 | 0,1 | 8 708 | 9 096 | 4,5 | 388 |
| -General purpose machinery | 2,44 | 79,2 | 75,1 | -5,2 | -0,1 | 4 809 | 4 896 | 1,8 | 87 |
| -Special purpose machinery | 3,44 | 91,9 | 99,2 | 7,9 | 0,3 | 6 551 | 7 116 | 8,6 | 565 |
| -Household appliances | 0,86 | 114,5 | 118,4 | 3,4 | 0,0 | 1 533 | 1 529 | -0,3 | -4 |
| Electrical machinery | 1,70 | 91,8 | 89,8 | -2,2 | 0,0 | 8 047 | 8 110 | 0,8 | 63 |
| Radio, television and communication apparatus and professional equipment | 1,41 | 120,0 | 99,5 | -17,1 | -0,3 | 2 917 | 2 518 | -13,7 | -399 |
| -Radio, television and communication apparatus | 0,90 | 136,1 | 105,1 | -22,8 | -0,3 | 1 771 | 1 341 | -24,3 | -430 |
| -Professional equipment | 0,51 | 91,3 | 89,4 | -2,1 | 0,0 | 1 147 | 1 177 | 2,6 | 30 |
| Motor vehicles, parts and accessories and other transport equipment | 7,39 | 104,9 | 103,9 | -1,0 | -0,1 | 33 487 | 34 233 | 2,2 | 746 |
| -Motor vehicles | 2,98 | 124,5 | 128,1 | 2,9 | 0,1 | 18 782 | 18 730 | -0,3 | -52 |
| -Bodies for motor vehicles, trailers and semi-trailers | 0,43 | 93,2 | 100,4 | 7,7 | 0,0 | 1 238 | 1 361 | 9,9 | 123 |
| -Parts and accessories | 2,77 | 92,1 | 86,8 | -5,8 | -0,1 | 10 172 | 10 938 | 7,5 | 766 |
| -Other transport equipment | 1,21 | 90,1 | 85,0 | -5,7 | -0,1 | 3 296 | 3 205 | -2,8 | -91 |
| Furniture and other manufacturing division | 3,61 | 92,8 | 85,3 | -8,1 | -0,3 | 8 534 | 8 634 | 1,2 | 100 |
| -Furniture | 1,08 | 87,2 | 84,8 | -2,8 | 0,0 | 1 897 | 2 085 | 9,9 | 188 |
| -Other manufacturing groups | 2,53 | 95,2 | 85,6 | -10,1 | -0,2 | 6 637 | 6 550 | -1,3 | -87 |
| Total | 100,00 | 98,3 | 96,9 | -1,4 | -1,4 | 276 580 | 272 384 | -1,5 | -4 196 |

1/ The contribution (percentage points) of a major group or division is calculated by multiplying the difference in the index of the major group or division by the weight of the major group or division and then dividing by the previous period total manufacturing index. Figures have been rounded off.

* Revised due to reweighting. See note on page 7.

Explanatory notes

- Introduction**
- 1 Statistics South Africa (Stats SA) conducts a monthly survey of the manufacturing industry, covering manufacturing enterprises. This statistical release contains the results of a sample drawn from the business sampling frame (BSF), with enhanced coverage of South African businesses (see 4 below). The release contains monthly indices of the physical volume of manufacturing production and monthly value of sales of manufactured products by divisions and major groups within manufacturing.
 - 2 In accordance with international practice, the indices are re-based every five years to a new base year. The base period of the index is 2010. Both estimated and seasonally adjusted figures are presented.
 - 3 In order to improve timeliness, some information for the latest month had to be estimated for respondents who have not reported by the cut-off date for production of results. These estimates will be revised in future statistical releases when their reported information becomes available.
 - 4 As indicated earlier, Stats SA is continuously upgrading its BR, based on units registered for value added tax (VAT) and income tax (IT), obtained from the South African Revenue Service (SARS).
- Purpose of the survey**
- 5 The results of the monthly manufacturing production and sales survey are used to calculate indices of the physical volume of manufacturing production. These indices provide an indicator of the real level of manufacturing activity in the economy. They are used in monitoring the state of the economy and formulation of economic policy. They are also important inputs to estimation of the gross domestic product (GDP).
- Special Data Dissemination Standard of the IMF**
- 6 The data in this statistical release adhere to the Special Data Dissemination Standard (SDDS) of the International Monetary Fund (IMF), which sets out standards on coverage, periodicity and timeliness of data, access by the public, integrity, and quality of the disseminated data.
- Scope of the survey**
- 7 This survey covers manufacturing enterprises, i.e. those conducting activities in -
 - the manufacturing, processing, making or packing of products;
 - the slaughtering of animals, including poultry; and
 - installation, assembly, completion, repair and related work.
- Classification**
- 8 The 1993 edition of the *Standard Industrial Classification of all Economic Activities* (SIC), Fifth Edition, Report No. 09-90-02, was used to classify the statistical units in the survey. The SIC is based on the 1990 *International Standard Industrial Classification of all Economic Activities* (ISIC) with suitable adaptations for local conditions. Each enterprise is classified to an industry which reflects its predominant activity. Statistics in this publication are presented at SIC division (two digit) and major group (three digit) level.
- Collection rate**
- 9 The preliminary collection rate for the survey on manufacturing production and sales for February 2015 was 89,3%. The improved collection rate for January 2015 was 90,7%.
- Statistical unit**
- 10 The statistical unit for which information is compiled and published is the enterprise, defined as a legal unit or a combination of legal units that includes and directly controls all functions necessary to carry out its production activities. The statistical units are derived from and linked to the South African Revenue Service (SARS) administrative data.

Survey methodology and design

- 11 The survey is conducted monthly. Questionnaires are sent to a sample of 3 000 enterprises. Completed questionnaires are required to be returned to Stats SA within 10 days after the end of the reference month. Fax and telephone reminders are used to follow up non-respondents.
- 12 The value of sales of manufactured products is obtained monthly from the sample of 3 000 enterprises, which was drawn in April 2014 from a population then of 45 405 manufacturing enterprises. Each manufacturing major group is divided into four size groups. The sample is drawn at the SIC three-digit level. All large enterprises (size group one), are completely enumerated. Simple random sampling is applied for size group two (medium sized) enterprises, and for size groups three and four (small) enterprises. The total value of sales of manufactured products of large enterprises (size group one) in a major group is added to the weighted totals of size groups two, three and four of that major group to reflect the total value of sales of the major group.
- 13 The calculation of the monthly production indices is based on the value of sales of products and articles manufactured and change in monthly value of stocks of manufactured products, after the effect of price changes has been eliminated through deflation using appropriate indices of the Production Price Index (PPI). For 38 of the 44 major groups in manufacturing, the value of production is calculated from the value of sales and stocks of manufactured products obtained from the monthly survey of manufacturing enterprises.
- 14 More direct indicators are used for the value of production of tobacco, coke and refined petroleum products, basic iron and steel products, basic precious and non-ferrous metal products, motor vehicles and parts and accessories for motor vehicles. The volume indices for these major groups are calculated on the basis of physical quantities. This method is used by the national statistical agencies of many other countries for petroleum products as the results are considered more satisfactory (mainly because these commodities are relatively homogeneous).

Weighting methodology

- 15 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 major group and division estimates. These procedures are consistent with international best practice.
- 16 For indices, a weight is calculated for every major group according to the value added of the major group relative to the total value added of the manufacturing industry as a whole, based on the results of the most recent large sample survey of the manufacturing industry or national accounts value added weights. For the period 2001 to 2004, the weights are based on the 2001 large sample survey of the manufacturing industry (LSS), for the period 2005 to 2009, the weights are based on the 2005 LSS, for the period 2010 the weights are based on national accounts value added data for 2010, for the period 2011 the weights are based on national accounts value added data for 2011 and for the period 2012 to 2015, the weights are based on national accounts value added data of 2012. Weights between LSS / national accounts years are fixed. The production indices of all divisions are multiplied by the applicable weights and aggregated to produce the index for the total physical volume of manufacturing production (see Table F for the fixed weights which were used for the three periods 2010, 2011 and 2012 to 2015).

- Seasonal adjustment** 17 Seasonally adjusted estimates are generated each month using the X-12 Seasonal Adjustment Program developed by the US Bureau of the Census, 1968. Seasonal adjustment is a means of removing the estimated effects of normal seasonal variation from the series so that the effects of other influences on the series can be recognised more clearly. Seasonal adjustment does not aim to remove irregular or non-seasonal influences which may be present in any particular month. Influences that are volatile or unsystematic can still make it difficult to interpret the movement of the series, even after adjustment for seasonal variations. Therefore, the month-to-month movements of seasonally adjusted estimates may not be reliable indicators of trend behaviour. The X-12-ARIMA procedure for manufacturing production and sales is described in more detail on the Stats SA website: [Click to Download Seasonal adjustment Manufacturing January 2015](#)
- Trend cycle** 18 The trend is the long-term pattern or movement of a time series. The X-12 Seasonal Adjustment Programme is used for smoothing seasonally adjusted estimates to estimates of the underlying trend cycle.
- Reliability of estimates** 19 Data presented in this publication are based on information obtained from a sample and are, therefore, subject to sampling variability; that is, they may differ from the figures that would have been produced if the data had been obtained from all enterprises in the manufacturing industry in South Africa. Estimates are subject to sampling and non-sampling errors.
- 20 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. Fluctuations may occur in consecutive months as a result of seasonal and economic factors.
- Revised figures** 21 Revised figures are due to late submission of data to Stats SA, or respondents reporting revisions or corrections to their figures. Preliminary figures are indicated in the relevant tables. Data are edited at the enterprise level.
- Related publications** 22 Users may also wish to refer to the following publications available from Stats SA:
- *Bulletin of Statistics*, issued quarterly.
 - *South African Statistics*, issued annually.
- Rounding-off of figures** 23 Where necessary, the figures in the tables have been rounded off to the nearest digit shown. There may, therefore, be slight discrepancies between the sums of the constituent items and the totals shown.
- Symbols and abbreviations** 24
- | | |
|----------|---|
| BR | Business Register |
| GDP | Gross domestic product |
| ISIC | International Standard Industrial Classification |
| LSS | Large sample survey |
| m | Million |
| SIC | Standard Industrial Classification of all Economic Activities |
| SARS | South African Revenue Service |
| Stats SA | Statistics South Africa |
| VAT | Value added tax |
| * | Revised figures |

Technical notes

26 Neyman optimal allocation

Before drawing a sample in the survey the population of enterprises on the BSF was stratified. Strata were formed using a combination of Standard Industrial Classification variable and the measure of size variable for enterprises. The Neyman optimal allocation formula used to allocate samples to each stratum is given by a formula below.

$$n_h = n * (N_h * S_h) / [\sum (N_i * S_i)].$$

Class limits: Manufacturing (Rand)

| Enterprise size | Lower limits | Upper limits |
|-----------------|--------------|--------------|
| Very small | 1 633 746 | 15 000 000 |
| Small | 15 000 001 | 39 000 000 |
| Medium | 39 000 001 | 153 000 000 |
| Large | 153 000 001 | |

Glossary

| | |
|---|---|
| Enterprise | An enterprise is a legal entity or a combination of legal units that includes and directly controls all functions necessary to carry out its production activities. |
| Index of physical volume of manufacturing production | The index of physical volume of manufacturing production, also known as a production index, is a statistical measure of the change in the volume of production. The production index of a major group is the ratio between the volume of production of a major group in a given period and the volume of production of the same major group in the base period. The base period is 2010. The production in the base period is set at 100. |
| Industry | An industry consists of a group of enterprises engaged in the same or similar kinds of economic activity. Industries are defined in the <i>System of National Accounts</i> (SNA) in the same way as in the 1993 <i>Standard Industrial Classification of all Economic Activities</i> , Fifth Edition, Report No. 09-90-02 of January 1993 (SIC). |
| Intermediate consumption | Intermediate consumption includes: <ul style="list-style-type: none">• purchases and transfers-in of materials;• payments to other establishments for work done;• other direct factory costs;• rent and leasing paid;• head office charges;• royalties, copyright, trade names and patent rights paid;• advertising;• insurance premiums;• services; and• secretarial and administrative fees. |
| Output | Output is the aggregate value of goods manufactured and work done and includes: <ul style="list-style-type: none">• sales and transfers-out of own manufactures, factory waste and stocks of factored goods;• repairs;• installation, erection and assembly;• sundry trading revenue;• sales of factored goods minus purchases of factored goods;• rent and leasing received;• royalties received;• difference between opening value and closing value of work in progress, stocks of own manufactures and stocks of factored goods;• head office charges; and• other revenue. Output excludes excise and customs duty paid. |
| Value added | Value added is the value of output less intermediate consumption. It represents the value added to the cost of the materials used in the process of production. |
| Sales | Sales are the total value of sales and transfers-out of all own manufactured products/articles and the amounts received for installation, erection or assembly or other services rendered. |
| Turnover | Turnover refers to: <ul style="list-style-type: none">• the value of sales and transfers out of all own manufactured products/articles;• amounts received for work done; and• amounts received for services rendered. |

Turnover excludes:

- value added tax (VAT);
- export freight charges; and
- excise duty.

Weight

The weight of a major group of manufacturing in the overall index for manufacturing is the ratio of the value added of the major group (i.e. output of a major group minus intermediate consumption) to the total value added of the manufacturing industry. The weight reflects the importance of the major group in the total. The weights change over time due to changes in the relative performance of industries, due to factors such as quality changes, changes in relative prices, and changes in customer preferences. New weights need to be calculated from time to time.

Table F – Weights according to manufacturing divisions and major groups

| Manufacturing divisions and major groups | Weights according to 2010 national accounts value added 2010 | Weights according to 2011 national accounts value added 2011 | Weights according to 2012 national accounts value added 2012 – 2015 |
|---|--|--|---|
| Food and beverages | 22,08 | 23,82 | 24,44 |
| Meat, fish, fruit, etc. | 4,41 | 5,19 | 5,39 |
| Dairy products | 2,22 | 2,30 | 1,78 |
| Grain mill products | 2,71 | 2,78 | 2,86 |
| Other food products | 6,34 | 7,12 | 7,73 |
| Beverages | 6,40 | 6,43 | 6,68 |
| Textiles, clothing, leather and footwear | 3,45 | 2,92 | 3,17 |
| Textiles | 0,68 | 0,84 | 0,74 |
| Other textile products | 0,43 | 0,39 | 0,47 |
| Knitted, crocheted articles | 0,08 | 0,08 | 0,10 |
| Wearing apparel | 1,55 | 0,99 | 1,19 |
| Leather and leather products | 0,22 | 0,19 | 0,28 |
| Footwear | 0,49 | 0,43 | 0,39 |
| Wood and wood products, paper, publishing and printing | 9,30 | 9,46 | 12,65 |
| Sawmilling and planing of wood | 0,82 | 0,82 | 1,83 |
| Products of wood | 1,66 | 1,76 | 2,55 |
| Paper and paper products | 3,18 | 3,26 | 4,89 |
| Publishing | 1,45 | 1,45 | 1,51 |
| Printing, recorded media | 2,19 | 2,17 | 1,87 |
| Petroleum, chemical products, rubber and plastic products | 25,13 | 22,52 | 22,13 |
| Coke, petroleum products and nuclear fuel | 7,97 | 6,32 | 7,77 |
| Basic chemicals | 5,81 | 4,85 | 3,81 |
| Other chemical products | 7,39 | 7,06 | 6,49 |
| Rubber products | 1,19 | 1,18 | 1,00 |
| Plastic products | 2,77 | 3,11 | 3,06 |
| Glass and non-metallic mineral products | 4,91 | 4,42 | 3,91 |
| Glass and glass products | 0,80 | 0,89 | 0,78 |
| Non-metallic mineral products | 4,11 | 3,53 | 3,13 |
| Basic iron and steel, non-ferrous metal products, metal products and machinery | 20,30 | 20,40 | 19,59 |
| Basic iron and steel products | 4,42 | 4,71 | 3,38 |
| Non-ferrous metal products (including precious metals) | 3,44 | 3,46 | 3,18 |
| Structural metal products | 1,87 | 2,21 | 1,89 |
| Other fabricated metal products | 3,84 | 3,89 | 4,40 |
| General purpose machinery | 2,36 | 2,44 | 2,44 |
| Special purpose machinery | 3,48 | 3,04 | 3,44 |
| Household appliances | 0,89 | 0,65 | 0,86 |
| Electrical machinery | 2,44 | 2,37 | 1,70 |
| Radio, television and communication apparatus and professional equipment | 1,32 | 1,45 | 1,41 |
| Radio, television and communication apparatus | 0,77 | 0,88 | 0,90 |
| Professional equipment | 0,55 | 0,57 | 0,51 |
| Motor vehicles, parts and accessories and other transport equipment | 7,89 | 8,58 | 7,39 |
| Motor vehicles | 3,21 | 3,84 | 2,98 |
| Bodies for motor vehicles, trailers and semi-trailers | 0,64 | 0,53 | 0,43 |
| Parts and accessories | 2,88 | 3,00 | 2,77 |
| Other transport equipment | 1,16 | 1,21 | 1,21 |
| Other manufacturing divisions | 3,18 | 4,06 | 3,61 |
| Furniture | 0,94 | 1,05 | 1,08 |
| Other manufacturing groups | 2,24 | 3,01 | 2,53 |
| Total | 100 | 100 | 100 |

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