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## SUMMARY OF FINDINGS: MANUFACTURING PRODUCTION AND SALES

**Table A – Selected key figures regarding manufacturing production and sales for September 2008**

Estimates	September 2008	% change between September 2007 and September 2008	% change between July to September 2007 and July to September 2008	% change between January to September 2007 and January to September 2008
Physical volume of manufacturing production index (2000=100)	130,0	4,9	2,9	3,2
Total value of sales of manufactured products (R million)	120 380	26,0	25,5	21,8

Seasonally adjusted estimates	September 2008	% change between August and September 2008	% change between April to June 2008 and July to September 2008
Physical volume of manufacturing production index (2000=100)	125,6	-0,6	-2,5
Total value of sales of manufactured products (R million)	115 749	-0,9	1,1

### Manufacturing production slows down

*The estimated seasonally adjusted manufacturing production for the third quarter of 2008 decreased by 2,5% compared with the second quarter of 2008. Manufacturing production for January to September 2008 increased by 3,2% compared with the same period in 2007, which was slightly higher than the annual increase of 3,0% reported for the period January to August 2008. The manufacturing production for September 2008 increased by 4,9% compared with September 2007. The higher annual growth rate in manufacturing production for September 2008 is mainly due to strike action within the motor vehicle parts and accessories industries during September 2007.*

The major contributor to the seasonally adjusted decrease of 2,5% in total manufacturing production for the third quarter of 2008 compared with the second quarter of 2008 was the motor vehicles, parts and accessories and other transport equipment division (contributing -0,9 of a percentage point), followed by the food and beverages division (contributing -0,6 of a percentage point), the textiles, clothing, leather and footwear division and the basic iron and steel, non-ferrous metal products, metal products and machinery division (each contributing -0,3 of a percentage point), the petroleum, chemical products, rubber and plastic products division and the glass and non-metallic mineral products division (each contributing -0,2 of a percentage point) (see Table B).

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

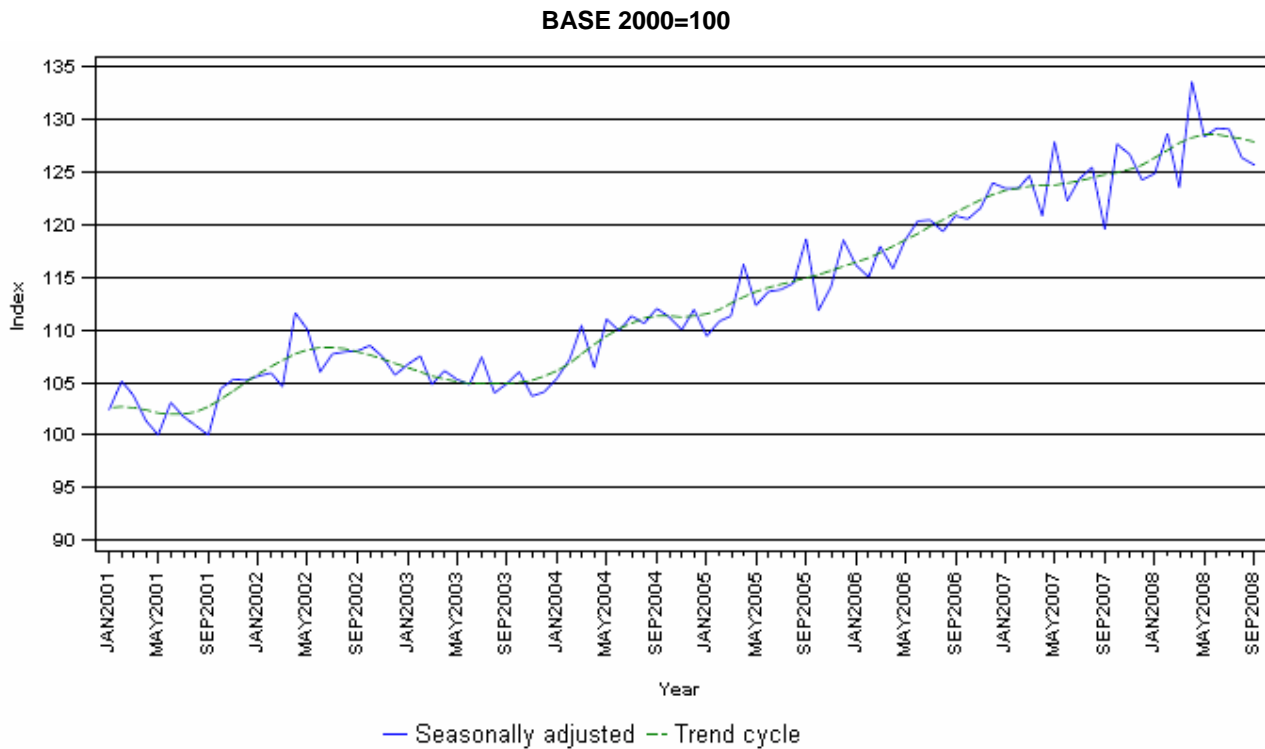
(Base 2000=100)

Manufacturing divisions and major groups	Percentage contribution to total manufacturing production using the weights according to large sample survey of the manufacturing industry, 2001	Average seasonally adjusted production index for April to June 2008	Average seasonally adjusted production index for July to September 2008	Quarterly percentage change of July to September 2008 compared with the preceding three months	Contribution (percentage points) to the seasonally adjusted quarterly percentage change in total manufacturing production 1/
<b>Food and beverages</b>	16,4	132,9	127,7	-3,9	-0,6
-Food and food products	12,1	126,4	118,0	-6,6	-0,8
-Beverages	4,3	151,2	155,2	2,6	0,1
<b>Textiles, clothing, leather and footwear</b>	5,4	104,2	99,1	-4,9	-0,3
-Textiles	2,4	97,5	92,6	-5,0	-0,1
-Wearing apparel	2,3	113,5	107,5	-5,3	-0,1
-Leather and leather products	0,3	107,1	102,4	-4,4	0,0
-Footwear	0,4	90,6	88,8	-2,0	0,0
<b>Wood and wood products, paper, publishing and printing</b>	11,0	120,7	120,1	-0,5	-0,1
-Wood and products of wood	1,7	127,6	116,1	-9,0	-0,2
-Paper and paper products	4,8	128,7	129,3	0,5	0,0
-Publishing and printing	4,6	109,6	111,9	2,1	0,1
<b>Petroleum, chemical products, rubber and plastic products</b>	22,5	138,0	136,5	-1,1	-0,2
-Coke, petroleum products and nuclear fuel	9,1	101,5	100,0	-1,5	-0,1
-Basic chemicals	4,0	184,5	181,0	-1,9	-0,1
-Other chemical products	5,4	151,3	153,1	1,2	0,1
-Rubber products	1,1	92,5	86,2	-6,8	-0,1
-Plastic products	3,0	181,1	178,7	-1,3	0,0
<b>Glass and non-metallic mineral products</b>	3,9	139,4	131,3	-5,8	-0,2
-Glass and glass products	1,1	162,0	159,2	-1,7	0,0
-Non-metallic mineral products	2,9	131,0	121,0	-7,6	-0,2
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	22,4	125,7	124,1	-1,3	-0,3
-Basic iron and steel products	5,5	111,9	112,6	0,6	0,0
-Basic precious, non-ferrous metal products	4,7	113,2	110,8	-2,1	-0,1
-Fabricated metal products	5,5	147,9	143,3	-3,1	-0,2
-Machinery and equipment	6,7	127,3	127,0	-0,2	0,0
Electrical machinery	2,7	119,2	125,7	5,5	0,1
<b>Radio, television and communication apparatus and professional equipment</b>	1,3	124,8	119,8	-4,0	-0,1
-Radio, television and communication apparatus	0,7	114,8	108,6	-5,4	0,0
-Professional equipment	0,6	135,0	131,2	-2,8	0,0
<b>Motor vehicles, parts and accessories and other transport equipment</b>	8,6	150,7	135,5	-10,1	-0,9
-Motor vehicles, trailers, parts and accessories	7,6	156,5	140,3	-10,4	-0,8
-Other transport equipment	1,0	106,6	99,2	-6,9	-0,1
<b>Furniture and other manufacturing division</b>	5,8	123,1	123,7	0,5	0,0
-Furniture	1,6	144,0	141,5	-1,7	0,0
-Other manufacturing groups	4,2	115,1	117,0	1,7	0,1
<b>Total</b>	<b>100,0</b>	<b>130,3</b>	<b>127,0</b>	<b>-2,5</b>	<b>-2,5</b>

1/ The contribution is calculated by multiplying the quarterly percentage change of each manufacturing group or division with its corresponding weight in the base year, divided by 100.

Figure 1 shows the seasonally adjusted and trend series for the volume index of manufacturing production between January 2001 and September 2008.

**Figure 1 – Index of the physical volume of manufacturing production**



**Seasonally adjusted sales of manufactured products increase**

***The estimated total value of sales of manufactured products at current prices for the third quarter of 2008 increased by 1,1% (R3 980 million), after seasonal adjustment, compared with the second quarter of 2008. Higher manufacturing sales were reported by six of the ten manufacturing divisions during this period (see Table C).***

The seasonally adjusted increase of 1,1% in the total value of sales of manufactured products at current prices for the third quarter of 2008 compared with the second quarter of 2008 was mainly due to increases reported for the basic iron and steel, non-ferrous metal products, metal products and machinery division (+4,8% or +R3 780 million), the petroleum, chemical products, rubber and plastic products division (+4,3% or + R3 526 million) and the food and beverages division (+4,1% or +R2 343 million) (see Table C).

**Table C – Contribution of the manufacturing divisions and major groups to the total value of seasonally adjusted sales of manufactured products at current prices**

Manufacturing divisions and major groups	Seasonally adjusted sales April to June 2008	Seasonally adjusted sales July to September 2008	Percentage change between April to June 2008 and July to September 2008	Difference in seasonally adjusted sales of manufacturing divisions between April to June 2008 and July to September 2008
	R '000	R '000		R '000
<b>Food and beverages</b>	57 260 886	59 604 000	4,1	2 343 114
-Food and food products	43 410 926	45 192 659	4,1	1 781 733
-Beverages	13 849 961	14 411 341	4,1	561 380
<b>Textiles, clothing, leather and footwear</b>	10 656 195	10 304 616	-3,3	-351 579
-Textiles	4 242 431	4 191 645	-1,2	-50 786
-Wearing apparel	4 436 185	4 144 528	-6,6	-291 657
-Leather and leather products	1 114 619	1 096 780	-1,6	-17 839
-Footwear	862 958	871 661	1,0	8 703
<b>Wood and wood products, paper, publishing and printing</b>	27 901 905	28 336 049	1,6	434 144
-Wood and products of wood	6 904 606	6 554 840	-5,1	-349 766
-Paper and paper products	12 196 258	12 572 076	3,1	375 818
-Publishing and printing	8 801 041	9 209 133	4,6	408 092
<b>Petroleum, chemicals products, rubber and plastic products</b>	82 912 748	86 438 871	4,3	3 526 123
-Coke, petroleum products and nuclear fuel	35 282 480	35 253 494	-0,1	-28 986
-Basic chemicals	18 745 979	20 787 729	10,9	2 041 750
-Other chemical products	15 446 509	16 406 989	6,2	960 480
-Rubber products	3 035 022	3 056 444	0,7	21 422
-Plastic products	10 402 759	10 934 215	5,1	531 456
<b>Glass and non-metallic mineral products</b>	9 073 730	8 961 208	-1,2	-112 522
-Glass and glass products	1 528 931	1 533 999	0,3	5 068
-Non-metallic mineral products	7 544 799	7 427 209	-1,6	-117 590
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	78 288 603	82 068 450	4,8	3 779 847
-Basic iron and steel products	35 044 522	37 372 718	6,6	2 328 196
-Basic precious, non-ferrous metal products	10 646 746	11 038 223	3,7	391 477
-Fabricated metal products	17 607 435	18 071 762	2,6	464 327
-Machinery and equipment	14 989 900	15 585 749	4,0	595 849
<b>Electrical machinery</b>	10 004 729	10 405 986	4,0	401 257
<b>Radio, television and communication apparatus and professional equipment</b>	3 586 718	3 491 136	-2,7	-95 582
-Radio, television and communication apparatus	1 662 750	1 619 466	-2,6	-43 284
-Professional equipment	1 923 969	1 871 670	-2,7	-52 299
<b>Motor vehicles, parts and accessories and other transport equipment</b>	53 474 833	47 359 587	-11,4	-6 115 246
-Motor vehicles, trailers, parts and accessories	49 827 635	43 757 863	-12,2	-6 069 772
-Other transport equipment	3 647 199	3 601 724	-1,2	-45 475
<b>Furniture and other manufacturing division</b>	16 008 781	16 179 047	1,1	170 266
-Furniture	3 425 723	3 463 323	1,1	37 600
-Other manufacturing groups	12 583 058	12 715 724	1,1	132 666
<b>Total</b>	<b>349 169 130</b>	<b>353 148 949</b>	<b>1,1</b>	<b>3 979 819</b>

**Sales of manufactured products at current prices increase**

*The value of sales of manufactured products at current prices for the third quarter of 2008 was 25,5% (R73 933 million) higher than for the third quarter of 2007 (see Table D). Increased sales were reflected in all divisions.*

The major contributors to the increase of 25,5% in sales of manufactured products at current prices for the third quarter of 2008 compared with the third quarter of 2007 were the petroleum, chemical products, rubber and plastic products division (+9,8 percentage points or +R28 519 million), the basic iron and steel, non-ferrous metal products, metal products and machinery division (+7,1 percentage points or +R20 451 million), the food and beverages division (+3,8 percentage points or +R11 151 million) and the motor vehicles, parts and accessories and other transport equipment division (+1,7 percentage points or +R5 043 million) (see Table D).

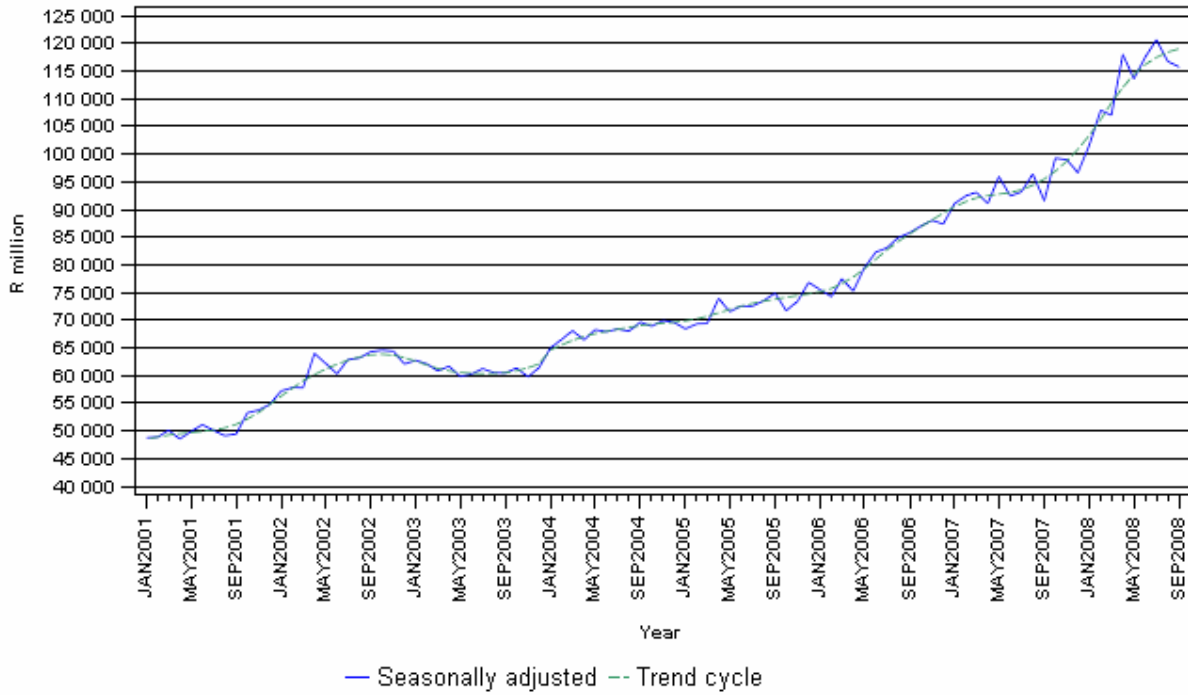
**Table D – Contribution of the manufacturing divisions and major groups to the total value of sales of manufactured products at current prices**

Manufacturing divisions and major groups	Percentage contribution to total value of sales of manufactured products July to September 2007	Percentage change between July to September 2007 and July to September 2008	Contribution (percentage points) to the percentage change in the total value of sales of manufactured products 1/	Difference in sales of manufacturing divisions between July to September 2007 and July to September 2008
				R '000
<b>Food and beverages</b>	16,5	23,3	3,8	11 150 824
-Food and food products	12,4	25,8	3,2	9 280 668
-Beverages	4,1	15,8	0,6	1 870 156
<b>Textiles, clothing, leather and footwear</b>	3,6	1,0	0,0	101 177
-Textiles	1,5	-0,8	0,0	-35 616
-Wearing apparel	1,5	0,7	0,0	28 634
-Leather and leather products	0,4	0,3	0,0	3 341
-Footwear	0,3	12,4	0,0	104 818
<b>Wood and wood products, paper, publishing and printing</b>	9,0	12,6	1,1	3 279 030
-Wood and products of wood	2,4	1,3	0,0	88 890
-Paper and paper products	3,6	25,4	0,9	2 666 653
-Publishing and printing	3,0	6,0	0,2	523 487
<b>Petroleum, chemicals products, rubber and plastic products</b>	21,2	46,4	9,8	28 518 629
-Coke, petroleum products and nuclear fuel	7,7	68,5	5,3	15 254 149
-Basic chemicals	4,8	54,3	2,6	7 514 573
-Other chemical products	4,8	19,6	0,9	2 738 339
-Rubber products	0,8	29,0	0,2	709 474
-Plastic products	3,1	25,7	0,8	2 302 094
<b>Glass and non-metallic mineral products</b>	3,0	8,9	0,3	779 835
-Glass and glass products	0,5	8,9	0,0	131 938
-Non-metallic mineral products	2,5	8,9	0,2	647 897
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	21,9	32,2	7,1	20 450 926
-Basic iron and steel products	7,8	65,2	5,1	14 806 017
-Basic precious, non-ferrous metal products	3,4	13,6	0,5	1 340 640
-Fabricated metal products	5,5	21,0	1,2	3 314 905
-Machinery and equipment	5,2	6,6	0,3	989 364
Electrical machinery	3,1	22,3	0,7	1 998 705
<b>Radio, television and communication apparatus and professional equipment</b>	1,2	2,5	0,0	88 913
-Radio, television and communication apparatus	0,5	6,7	0,0	105 352
-Professional equipment	0,7	-0,8	0,0	-16 439
<b>Motor vehicles, parts and accessories and other transport equipment</b>	15,5	11,2	1,7	5 043 004
-Motor vehicles, trailers, parts and accessories	14,4	11,1	1,6	4 623 712
-Other transport equipment	1,1	13,1	0,1	419 292
<b>Furniture and other manufacturing division</b>	4,9	17,7	0,9	2 522 286
-Furniture	1,2	4,7	0,1	163 589
-Other manufacturing groups	3,7	21,9	0,8	2 358 697
<b>Total</b>	<b>100,0</b>	<b>25,5</b>	<b>25,5</b>	<b>73 933 329</b>

1/ The contribution (percentage points) is calculated by multiplying the percentage change of each manufacturing major group or division with the percentage contribution of the same major group or division during corresponding period in 2007, divided by 100.

Figure 2 shows the seasonally adjusted and trend series for sales of manufactured products between January 2001 and September 2008.

**Figure 2 – Total value of sales of manufactured products at current prices**



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**Detailed results: Tables**

**Table 1 – Index of the physical volume of manufacturing production: Total**

**Base 2000 = 100**

Month	2002	2003	2004	2005	2006	2007	2008
Jan	93,7	94,4	93,1	96,2	101,7	107,6	108,8
Feb	103,6	104,3	103,6	106,3	110,1	118,2	122,8
Mar	108,2	108,4	114,1	114,9	121,4	128,3	126,9
Apr	104,4	100,0	100,3	109,2	109,2	113,9	125,9
May	110,3	105,7	111,6	112,8	118,9	128,1	128,7
Jun	106,7	105,3	110,5	114,3	121,4	123,7	130,7
Jul	108,8	108,7	113,0	115,5	122,2	126,1	1/ 130,6
Aug	109,8	106,3	113,7	118,2	123,8	130,1	1/ 130,7
Sep	111,4	108,7	116,0	122,9	125,5	123,9	1/ 130,0
Oct	119,6	116,7	122,5	123,2	132,6	140,3	
Nov	119,8	114,9	122,3	127,1	135,4	141,1	
Dec	92,7	91,5	99,0	104,6	109,3	109,5	
Year	107,4	105,4	110,0	113,8	119,3	124,2	

1/ Preliminary.

**Table 2 – Annual percentage change in the index of the physical volume of manufacturing production: Total**

Month	2002	2003	2004	2005	2006	2007	2008
Jan	-	0,7	-1,4	3,3	5,7	5,8	1,1
Feb	-	0,7	-0,7	2,6	3,6	7,4	3,9
Mar	-	0,2	5,3	0,7	5,7	5,7	-1,1
Apr	-	-4,2	0,3	8,9	0,0	4,3	10,5
May	-	-4,2	5,6	1,1	5,4	7,7	0,5
Jun	-	-1,3	4,9	3,4	6,2	1,9	5,7
Jul	-	-0,1	4,0	2,2	5,8	3,2	3,6
Aug	-	-3,2	7,0	4,0	4,7	5,1	0,5
Sep	-	-2,4	6,7	5,9	2,1	-1,3	4,9
Oct	-	-2,4	5,0	0,6	7,6	5,8	
Nov	-	-4,1	6,4	3,9	6,5	4,2	
Dec	-	-1,3	8,2	5,7	4,5	0,2	
Year	-	-1,9	4,4	3,5	4,8	4,1	

The percentage change is the change in the index of the physical volume of manufacturing production of the relevant year compared with the index of physical volume of manufacturing production of the previous year expressed as a percentage.

**Table 3 – Seasonally adjusted index of the physical volume of manufacturing production: Total**

Month	2002	2003	2004	2005	2006	2007	2008
Jan	105,8	107,0	105,4	109,4	116,1	123,4	124,8
Feb	105,9	107,6	107,2	110,8	115,0	123,4	128,6
Mar	104,6	104,8	110,4	111,3	117,9	124,6	123,5
Apr	112,0	106,8	106,4	116,2	115,8	120,8	133,5
May	110,0	105,3	111,0	112,3	118,5	127,8	128,3
Jun	106,1	104,8	109,9	113,6	120,3	122,2	129,1
Jul	107,5	107,2	111,3	113,8	120,4	124,3	129,0
Aug	107,7	103,8	110,6	114,4	119,3	125,4	126,3
Sep	108,0	105,1	112,0	118,6	120,8	119,5	125,6
Oct	108,6	106,0	111,2	111,8	120,5	127,6	
Nov	107,5	103,6	110,0	114,1	121,5	126,6	
Dec	105,1	103,2	111,9	118,5	123,9	124,2	

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

**Base 2000 = 100**

Manufacturing divisions and major groups	Weights	Year 2007	Indices			Seasonally adjusted indices		
			September 2007	1/ August 2008	1/ September 2008	September 2007	August 2008	September 2008
<b>Food and beverages</b>	16,4	124,5	130,3	130,6	133,5	124,1	126,4	127,6
-Meat, fish, fruit etc.	2,6	130,7	129,0	133,3	137,1	131,2	137,1	139,8
-Dairy products	1,1	112,3	114,5	110,9	116,1	110,5	112,9	112,4
-Grain mill products	1,5	129,4	131,8	132,4	136,1	129,4	131,4	133,8
-Other food products	6,8	111,2	122,6	123,5	120,7	108,9	105,9	107,6
-Beverages	4,3	143,1	147,0	144,9	155,2	145,4	154,3	153,5
<b>Textiles, clothing, leather and footwear</b>	5,4	102,6	107,6	105,8	103,2	102,2	100,3	98,1
-Textiles	1,2	80,0	79,4	77,3	71,1	73,8	71,6	66,0
-Other textile products	1,2	119,5	120,9	126,5	112,1	120,3	122,9	112,1
-Knitted, crocheted articles	0,3	82,6	83,3	84,1	84,8	80,7	80,9	82,3
-Wearing apparel	2,0	113,8	123,7	115,8	121,5	115,5	109,8	113,4
-Leather and leather products	0,3	101,6	104,3	103,4	98,7	106,9	104,5	101,0
-Footwear	0,4	84,9	97,3	101,8	102,2	85,0	87,8	89,2
<b>Wood and wood products, paper, publishing and printing</b>	11,0	117,5	120,1	122,7	127,6	114,7	120,2	121,8
-Sawmilling and planing of wood	0,7	116,4	114,0	109,2	106,6	111,0	105,8	104,1
-Products of wood	1,0	134,9	145,7	131,4	136,7	135,1	121,0	126,7
-Paper and paper products	4,8	113,5	115,2	131,2	140,1	109,1	129,4	132,6
-Publishing	2,4	123,9	126,2	112,9	119,4	122,7	112,1	116,2
-Printing, recorded media	2,1	111,4	114,1	115,3	111,5	109,7	113,3	107,3
<b>Petroleum, chemical products, rubber and plastic products</b>	22,5	124,1	122,4	139,6	133,6	123,4	136,2	134,3
-Coke, petroleum products and nuclear fuel	9,1	97,0	88,5	106,2	84,0	97,9	104,6	93,2
-Basic chemicals	4,0	142,3	143,3	178,6	185,5	141,5	169,6	183,9
-Other chemical products	5,4	139,6	142,3	151,5	160,6	137,0	150,7	155,0
-Rubber products	1,1	82,9	85,6	91,3	87,0	83,3	85,9	84,7
-Plastic products	3,0	170,6	177,1	186,8	185,2	168,3	181,8	176,1
<b>Glass and non-metallic mineral products</b>	3,9	136,6	141,2	138,4	142,2	131,4	133,0	132,5
-Glass and glass products	1,1	155,0	163,4	163,6	171,4	153,2	161,8	160,7
-Non-metallic mineral products	2,9	129,7	133,0	129,0	131,3	123,3	122,3	122,1
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	22,4	126,3	128,1	128,1	124,4	124,7	123,5	121,3
-Basic iron and steel products	5,5	111,8	108,5	118,2	103,6	108,2	118,8	103,2
-Non-ferrous metal products	4,7	118,9	121,0	114,2	110,8	121,2	110,7	110,9
-Structural metal products	1,3	137,7	156,6	146,7	151,6	146,1	141,5	141,4
-Other fabricated metal products	4,2	140,7	142,0	143,4	146,5	137,9	136,5	143,2
-General purpose machinery	2,4	119,8	124,9	107,3	105,1	116,6	101,7	98,5
-Special purpose machinery	3,2	143,0	144,9	151,5	152,9	138,3	141,1	146,1
-Household appliances	1,2	130,0	131,0	134,0	130,7	126,4	126,5	126,8
-Electrical machinery	2,7	106,6	112,5	129,3	133,0	106,8	122,6	126,9
<b>Radio, television and communication apparatus and professional equipment</b>	1,3	116,9	125,7	120,4	126,0	115,5	119,7	116,0
-Radio, television and communication apparatus	0,7	100,3	104,3	110,7	111,5	96,2	109,9	104,2
-Professional equipment	0,6	133,7	147,4	130,2	140,7	135,1	129,7	128,0
<b>Motor vehicles, parts and accessories and other transport equipment</b>	8,6	144,7	105,9	143,0	139,3	102,3	131,4	135,2
-Motor vehicles	4,1	140,7	93,7	141,9	135,9	91,7	124,8	133,6
-Bodies for motor vehicles, trailers and semi-trailers	0,4	218,2	203,1	248,1	276,4	182,1	231,4	247,8
-Parts and accessories	3,1	154,5	113,8	145,2	141,8	108,5	137,6	136,3
-Other transport equipment	1,0	103,1	95,5	101,1	93,9	96,9	101,9	96,4
<b>Furniture and other manufacturing division</b>	5,8	120,1	136,9	124,8	134,6	120,4	124,9	117,9
-Furniture	1,6	142,6	146,1	148,0	144,7	137,1	142,9	136,2
-Other manufacturing groups	4,2	111,6	133,4	116,0	130,8	114,1	118,1	111,0
<b>Total</b>	<b>100,0</b>	<b>124,2</b>	<b>123,9</b>	<b>130,7</b>	<b>130,0</b>	<b>119,5</b>	<b>126,3</b>	<b>125,6</b>

1/ Preliminary.

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

**Base 2000 = 100**

Manufacturing divisions and major groups	Weights	Year 2007	Indices			Seasonally adjusted indices		
			September 2007	1/ September 2008	Percentage difference between September 2007 and September 2008	August 2008	September 2008	Percentage difference between August and September 2008
<b>Food and beverages</b>	16,4	124,5	130,3	133,5	2,5	126,4	127,6	0,9
-Meat, fish, fruit etc.	2,6	130,7	129,0	137,1	6,3	137,1	139,8	2,0
-Dairy products	1,1	112,3	114,5	116,1	1,4	112,9	112,4	-0,4
-Grain mill products	1,5	129,4	131,8	136,1	3,3	131,4	133,8	1,8
-Other food products	6,8	111,2	122,6	120,7	-1,5	105,9	107,6	1,6
-Beverages	4,3	143,1	147,0	155,2	5,6	154,3	153,5	-0,5
<b>Textiles, clothing, leather and footwear</b>	5,4	102,6	107,6	103,2	-4,1	100,3	98,1	-2,2
-Textiles	1,2	80,0	79,4	71,1	-10,5	71,6	66,0	-7,8
-Other textile products	1,2	119,5	120,9	112,1	-7,3	122,9	112,1	-8,8
-Knitted, crocheted articles	0,3	82,6	83,3	84,8	1,8	80,9	82,3	1,7
-Wearing apparel	2,0	113,8	123,7	121,5	-1,8	109,8	113,4	3,3
-Leather and leather products	0,3	101,6	104,3	98,7	-5,4	104,5	101,0	-3,3
-Footwear	0,4	84,9	97,3	102,2	5,0	87,8	89,2	1,6
<b>Wood and wood products, paper, publishing and printing</b>	11,0	117,5	120,1	127,6	6,2	120,2	121,8	1,3
-Sawmilling and planing of wood	0,7	116,4	114,0	106,6	-6,5	105,8	104,1	-1,6
-Products of wood	1,0	134,9	145,7	136,7	-6,2	121,0	126,7	4,7
-Paper and paper products	4,8	113,5	115,2	140,1	21,6	129,4	132,6	2,5
-Publishing	2,4	123,9	126,2	119,4	-5,4	112,1	116,2	3,7
-Printing, recorded media	2,1	111,4	114,1	111,5	-2,3	113,3	107,3	-5,3
<b>Petroleum, chemical products, rubber and plastic products</b>	22,5	124,1	122,4	133,6	9,2	136,2	134,3	-1,4
-Coke, petroleum products and nuclear fuel	9,1	97,0	88,5	84,0	-5,1	104,6	93,2	-10,9
-Basic chemicals	4,0	142,3	143,3	185,5	29,4	169,6	183,9	8,4
-Other chemical products	5,4	139,6	142,3	160,6	12,9	150,7	155,0	2,9
-Rubber products	1,1	82,9	85,6	87,0	1,6	85,9	84,7	-1,4
-Plastic products	3,0	170,6	177,1	185,2	4,6	181,8	176,1	-3,1
<b>Glass and non-metallic mineral products</b>	3,9	136,6	141,2	142,2	0,7	133,0	132,5	-0,4
-Glass and glass products	1,1	155,0	163,4	171,4	4,9	161,8	160,7	-0,7
-Non-metallic mineral products	2,9	129,7	133,0	131,3	-1,3	122,3	122,1	-0,2
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	22,4	126,3	128,1	124,4	-2,9	123,5	121,3	-1,8
-Basic iron and steel products	5,5	111,8	108,5	103,6	-4,5	118,8	103,2	-13,1
-Non-ferrous metal products	4,7	118,9	121,0	110,8	-8,4	110,7	110,9	0,2
-Structural metal products	1,3	137,7	156,6	151,6	-3,2	141,5	141,4	-0,1
-Other fabricated metal products	4,2	140,7	142,0	146,5	3,2	136,5	143,2	4,9
-General purpose machinery	2,4	119,8	124,9	105,1	-15,9	101,7	98,5	-3,1
-Special purpose machinery	3,2	143,0	144,9	152,9	5,5	141,1	146,1	3,5
-Household appliances	1,2	130,0	131,0	130,7	-0,2	126,5	126,8	0,2
Electrical machinery	2,7	106,6	112,5	133,0	18,2	122,6	126,9	3,5
<b>Radio, television and communication apparatus and professional equipment</b>	1,3	116,9	125,7	126,0	0,2	119,7	116,0	-3,1
-Radio, television and communication apparatus	0,7	100,3	104,3	111,5	6,9	109,9	104,2	-5,2
-Professional equipment	0,6	133,7	147,4	140,7	-4,5	129,7	128,0	-1,3
<b>Motor vehicles, parts and accessories and other transport equipment</b>	8,6	144,7	105,9	139,3	31,5	131,4	135,2	2,9
-Motor vehicles	4,1	140,7	93,7	135,9	45,0	124,8	133,6	7,1
-Bodies for motor vehicles, trailers and semi-trailers	0,4	218,2	203,1	276,4	36,1	231,4	247,8	7,1
-Parts and accessories	3,1	154,5	113,8	141,8	24,6	137,6	136,3	-0,9
-Other transport equipment	1,0	103,1	95,5	93,9	-1,7	101,9	96,4	-5,4
<b>Furniture and other manufacturing division</b>	5,8	120,1	136,9	134,6	-1,7	124,9	117,9	-5,6
-Furniture	1,6	142,6	146,1	144,7	-1,0	142,9	136,2	-4,7
-Other manufacturing groups	4,2	111,6	133,4	130,8	-1,9	118,1	111,0	-6,0
<b>Total</b>	<b>100,0</b>	<b>124,2</b>	<b>123,9</b>	<b>130,0</b>	<b>4,9</b>	<b>126,3</b>	<b>125,6</b>	<b>-0,6</b>

1/ Preliminary.

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

Month	2002	2003	2004	2005	2006	2007	2008
Jan	49 460 059	54 362 254	55 071 330	57 996 123	64 189 094	77 735 488	87 264 599
Feb	57 864 931	61 989 347	64 229 244	66 760 165	71 388 922	88 795 001	103 240 425
Mar	61 605 130	64 510 085	69 915 271	71 125 524	79 202 703	95 108 539	108 981 724
Apr	62 018 095	60 355 639	62 938 714	69 852 309	70 995 969	85 951 025	111 471 587
May	64 280 531	62 025 293	68 680 038	71 871 060	79 802 545	96 506 978	114 469 290
Jun	62 755 902	62 591 404	68 432 062	73 140 542	83 059 482	93 559 142	118 895 452
Jul	64 595 172	63 121 052	68 962 693	73 306 407	84 166 082	94 457 875	1/ 122 517 062
Aug	66 054 568	63 133 885	69 723 627	75 677 432	87 784 628	99 753 483	1/ 120 814 289
Sep	68 466 542	64 724 012	72 859 146	78 504 917	89 792 711	95 566 455	1/ 120 379 791
Oct	72 908 893	69 446 223	75 511 320	78 553 072	94 992 441	108 206 596	
Nov	73 373 081	68 158 470	77 784 326	82 083 555	98 270 280	110 644 228	
Dec	58 669 430	57 772 435	63 593 769	69 817 622	78 806 146	87 539 378	
Year	762 052 334	752 190 099	817 701 540	868 688 728	982 451 003	1 133 824 188	

1/ Preliminary.

**Table 6 – Annual percentage change in the value of sales of the manufacturing industry: Total**

Month	2002	2003	2004	2005	2006	2007	2008
Jan	-	9,9	1,3	5,3	10,7	21,1	12,3
Feb	-	7,1	3,6	3,9	6,9	24,4	16,3
Mar	-	4,7	8,4	1,7	11,4	20,1	14,6
Apr	-	-2,7	4,3	11,0	1,6	21,1	29,7
May	-	-3,5	10,7	4,6	11,0	20,9	18,6
Jun	-	-0,3	9,3	6,9	13,6	12,6	27,1
Jul	-	-2,3	9,3	6,3	14,8	12,2	29,7
Aug	-	-4,4	10,4	8,5	16,0	13,6	21,1
Sep	-	-5,5	12,6	7,7	14,4	6,4	26,0
Oct	-	-4,7	8,7	4,0	20,9	13,9	
Nov	-	-7,1	14,1	5,5	19,7	12,6	
Dec	-	-1,5	10,1	9,8	12,9	11,1	
Year	-	-1,3	8,7	6,2	13,1	15,4	

The percentage change is the change in the sales of the manufacturing industry of the relevant year compared with the sales of the previous year expressed as a percentage.

**Table 7 – Total seasonally adjusted sales of the manufacturing industry (R'000)**

Month	2002	2003	2004	2005	2006	2007	2008
Jan	58 695 982	64 397 247	64 983 274	68 436 180	75 523 041	91 088 314	101 617 788
Feb	59 539 913	63 984 520	66 564 657	69 345 236	74 256 526	92 479 862	107 932 429
Mar	59 361 955	62 541 021	68 105 588	69 395 094	77 480 306	93 096 985	107 026 489
Apr	65 841 248	63 833 325	66 430 112	73 939 311	75 284 151	91 077 140	118 002 440
May	63 818 100	61 603 259	68 267 982	71 532 962	79 460 753	95 941 593	113 623 901
Jun	61 870 780	61 972 710	67 909 390	72 571 006	82 283 267	92 449 055	117 542 789
Jul	64 510 351	62 881 710	68 409 616	72 521 706	83 052 976	93 187 415	120 655 591
Aug	64 873 593	61 882 792	68 010 678	73 518 882	84 913 596	96 418 304	116 744 082
Sep	65 931 988	62 042 814	69 666 213	74 900 364	85 782 157	91 578 053	115 749 276
Oct	66 432 547	63 299 036	68 903 452	71 733 840	86 997 273	99 269 061	
Nov	66 108 780	61 281 413	69 942 718	73 395 780	88 042 850	99 015 546	
Dec	63 792 204	63 135 251	69 618 524	76 823 470	87 376 863	96 640 093	

**Table 8a – Sales of manufactured products according to manufacturing divisions and major groups (R'000)**

Manufacturing divisions and major groups	Year 2007	Actual values			Seasonally adjusted values		
		September 2007	1/ August 2008	1/ September 2008	September 2007	August 2008	September 2008
<b>Food and beverages</b>	191 280 333	16 346 999	19 670 685	20 132 452	16 189 631	19 791 975	19 984 466
-Meat, fish, fruit etc.	47 533 498	4 085 200	5 001 964	5 242 271	4 029 174	5 037 934	5 177 570
-Dairy products	16 243 788	1 432 633	1 513 963	1 638 620	1 395 430	1 529 463	1 602 623
-Grain mill products	35 331 934	3 039 684	4 029 130	4 145 207	3 057 867	4 038 722	4 184 260
-Other food products	42 111 462	3 561 987	4 583 110	4 289 359	3 519 371	4 351 517	4 244 426
-Beverages	50 059 651	4 227 495	4 542 518	4 816 995	4 187 788	4 834 338	4 775 588
<b>Textiles, clothing, leather and footwear</b>	40 680 698	3 513 253	3 621 177	3 558 493	3 356 451	3 446 204	3 405 284
-Textiles	6 541 155	558 324	573 408	569 472	528 676	550 200	539 001
-Other textile products	10 292 874	834 519	926 857	815 008	840 922	874 066	826 141
-Knitted, crocheted articles	1 828 314	151 155	162 981	157 926	149 493	160 635	157 052
-Wearing apparel	14 627 431	1 319 738	1 265 918	1 312 206	1 226 017	1 202 766	1 221 836
-Leather and leather products	4 228 274	363 464	369 231	366 078	362 823	366 659	366 593
-Footwear	3 162 650	286 053	322 782	337 803	248 520	291 878	294 661
<b>Wood and wood products, paper, publishing and printing</b>	100 400 647	8 866 520	9 749 592	10 299 878	8 316 761	9 461 291	9 651 060
-Sawmilling and planing of wood	7 925 755	651 613	704 030	707 446	636 398	672 570	694 337
-Products of wood	17 495 078	1 603 949	1 577 909	1 683 798	1 483 529	1 442 896	1 558 936
-Paper and paper products	40 527 758	3 654 759	4 324 221	4 744 534	3 306 219	4 250 476	4 302 122
-Publishing	15 083 782	1 281 326	1 291 769	1 340 588	1 251 049	1 279 517	1 311 085
-Printing, recorded media	19 368 274	1 674 873	1 851 663	1 823 512	1 639 565	1 815 832	1 784 580
<b>Petroleum, chemical products, rubber and plastic products</b>	239 298 878	20 851 140	29 846 845	29 122 949	19 781 689	28 748 658	27 621 558
-Coke, petroleum products and nuclear fuel	86 358 423	7 838 882	13 074 586	11 033 276	7 449 514	12 157 802	10 468 145
-Basic chemicals	52 421 118	4 438 179	6 525 837	7 457 651	4 107 115	6 540 316	6 919 183
-Other chemical products	54 957 891	4 716 826	5 454 130	5 733 671	4 529 584	5 404 542	5 533 881
-Rubber products	10 217 878	817 366	1 065 004	1 028 383	799 730	1 023 086	1 008 492
-Plastic products	35 343 568	3 039 887	3 727 288	3 869 968	2 895 747	3 622 912	3 691 858
<b>Glass and non-metallic mineral products</b>	33 300 539	2 921 177	3 159 751	3 271 680	2 702 189	2 956 833	3 033 014
-Glass and glass products	5 834 297	544 990	513 418	596 286	482 967	492 806	527 233
-Non-metallic mineral products	27 466 242	2 376 187	2 646 333	2 675 394	2 219 222	2 464 027	2 505 781
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	249 464 213	20 875 072	28 076 805	27 242 757	20 399 612	27 030 701	26 857 438
-Basic iron and steel products	93 724 513	7 264 303	12 725 035	11 893 899	7 378 131	12 380 098	12 126 319
-Non-ferrous metal products	38 935 281	3 334 333	3 800 167	3 638 658	3 280 048	3 722 273	3 601 519
-Structural metal products	19 849 436	1 917 698	2 170 403	2 186 747	1 777 295	2 053 728	2 028 597
-Other fabricated metal products	38 442 763	3 394 112	4 054 768	4 101 152	3 203 737	3 803 665	3 887 072
-General purpose machinery	21 932 921	1 926 429	2 062 205	2 051 458	1 819 480	1 967 156	1 941 027
-Special purpose machinery	26 930 080	2 251 379	2 458 796	2 565 366	2 171 074	2 330 261	2 479 162
-Household appliances	9 649 219	786 818	805 431	805 477	769 846	773 520	793 743
<b>Electrical machinery</b>	33 733 841	3 110 808	3 545 404	3 724 539	2 921 204	3 348 005	3 504 583
<b>Radio, television and communication apparatus and professional equipment</b>	13 324 902	1 229 091	1 182 230	1 242 706	1 124 336	1 161 414	1 135 229
-Radio, television and communication apparatus	5 956 698	550 098	538 409	594 831	493 836	536 315	535 322
-Professional equipment	7 368 204	678 993	643 821	647 875	630 500	625 099	599 907
<b>Motor vehicles, parts and accessories and other transport equipment</b>	176 807 942	12 908 994	16 433 985	16 473 284	12 168 318	15 390 100	15 593 660
-Motor vehicles	87 304 412	6 291 356	7 881 382	8 287 149	5 797 667	7 147 186	7 654 487
-Bodies for motor vehicles, trailers and semi-trailers	9 676 437	762 867	961 353	992 977	685 474	880 553	897 296
-Parts and accessories	67 353 836	4 881 344	6 349 241	6 042 853	4 702 370	6 127 110	5 864 696
-Other transport equipment	12 473 257	973 427	1 242 009	1 150 305	982 807	1 235 251	1 177 181
<b>Furniture and other manufacturing division</b>	55 532 195	4 943 401	5 527 815	5 311 053	4 617 863	5 408 902	4 962 983
-Furniture	13 389 662	1 154 897	1 207 603	1 207 690	1 073 074	1 179 143	1 124 980
-Other manufacturing groups	42 142 533	3 788 504	4 320 212	4 103 363	3 544 789	4 229 759	3 838 002
<b>Total</b>	<b>1 133 824 188</b>	<b>95 566 455</b>	<b>120 814 289</b>	<b>120 379 791</b>	<b>91 578 053</b>	<b>116 744 082</b>	<b>115 749 276</b>

1/ Preliminary.

**Table 8b – Sales of manufactured products according to manufacturing divisions and major groups (R'000) (concluded)**

Manufacturing divisions and major groups	Year 2007	Value of sales			Seasonally adjusted value of sales		
		September 2007	September 2008	Percentage change between September 2007 and September 2008	August 2008	September 2008	Percentage change between August and September 2008
<b>Food and beverages</b>	191 280 333	16 346 999	20 132 452	23,2	19 791 975	19 984 466	1,0
-Meat, fish, fruit etc.	47 533 498	4 085 200	5 242 271	28,3	5 037 934	5 177 570	2,8
-Dairy products	16 243 788	1 432 633	1 638 620	14,4	1 529 463	1 602 623	4,8
-Grain mill products	35 331 934	3 039 684	4 145 207	36,4	4 038 722	4 184 260	3,6
-Other food products	42 111 462	3 561 987	4 289 359	20,4	4 351 517	4 244 426	-2,5
-Beverages	50 059 651	4 227 495	4 816 995	13,9	4 834 338	4 775 588	-1,2
<b>Textiles, clothing, leather and footwear</b>	40 680 698	3 513 253	3 558 493	1,3	3 446 204	3 405 284	-1,2
-Textiles	6 541 155	558 324	569 472	2,0	550 200	539 001	-2,0
-Other textile products	10 292 874	834 519	815 008	-2,3	874 066	826 141	-5,5
-Knitted, crocheted articles	1 828 314	151 155	157 926	4,5	160 635	157 052	-2,2
-Wearing apparel	14 627 431	1 319 738	1 312 206	-0,6	1 202 766	1 221 836	1,6
-Leather and leather products	4 228 274	363 464	366 078	0,7	366 659	366 593	0,0
-Footwear	3 162 650	286 053	337 803	18,1	291 878	294 661	1,0
<b>Wood and wood products, paper, publishing and printing</b>	100 400 647	8 866 520	10 299 878	16,2	9 461 291	9 651 060	2,0
-Sawmilling and planing of wood	7 925 755	651 613	707 446	8,6	672 570	694 337	3,2
-Products of wood	17 495 078	1 603 949	1 683 798	5,0	1 442 896	1 558 936	8,0
-Paper and paper products	40 527 758	3 654 759	4 744 534	29,8	4 250 476	4 302 122	1,2
-Publishing	15 083 782	1 281 326	1 340 588	4,6	1 279 517	1 311 085	2,5
-Printing, recorded media	19 368 274	1 674 873	1 823 512	8,9	1 815 832	1 784 580	-1,7
<b>Petroleum, chemical products, rubber and plastic products</b>	239 298 878	20 851 140	29 122 949	39,7	28 748 658	27 621 558	-3,9
-Coke, petroleum products and nuclear fuel	86 358 423	7 838 882	11 033 276	40,8	12 157 802	10 468 145	-13,9
-Basic chemicals	52 421 118	4 438 179	7 457 651	68,0	6 540 316	6 919 183	5,8
-Other chemical products	54 957 891	4 716 826	5 733 671	21,6	5 404 542	5 533 881	2,4
-Rubber products	10 217 878	817 366	1 028 383	25,8	1 023 086	1 008 492	-1,4
-Plastic products	35 343 568	3 039 887	3 869 968	27,3	3 622 912	3 691 858	1,9
<b>Glass and non-metallic mineral products</b>	33 300 539	2 921 177	3 271 680	12,0	2 956 833	3 033 014	2,6
-Glass and glass products	5 834 297	544 990	596 286	9,4	492 806	527 233	7,0
-Non-metallic mineral products	27 466 242	2 376 187	2 675 394	12,6	2 464 027	2 505 781	1,7
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	249 464 213	20 875 072	27 242 757	30,5	27 030 701	26 857 438	-0,6
-Basic iron and steel products	93 724 513	7 264 303	11 893 899	63,7	12 380 098	12 126 319	-2,0
-Non-ferrous metal products	38 935 281	3 334 333	3 638 658	9,1	3 722 273	3 601 519	-3,2
-Structural metal products	19 849 436	1 917 698	2 186 747	14,0	2 053 728	2 028 597	-1,2
-Other fabricated metal products	38 442 763	3 394 112	4 101 152	20,8	3 803 665	3 887 072	2,2
-General purpose machinery	21 932 921	1 926 429	2 051 458	6,5	1 967 156	1 941 027	-1,3
-Special purpose machinery	26 930 080	2 251 379	2 565 366	13,9	2 330 261	2 479 162	6,4
-Household appliances	9 649 219	786 818	805 477	2,4	773 520	793 743	2,6
-Electrical machinery	33 733 841	3 110 808	3 724 539	19,7	3 348 005	3 504 583	4,7
<b>Radio, television and communication apparatus and professional equipment</b>	13 324 902	1 229 091	1 242 706	1,1	1 161 414	1 135 229	-2,3
-Radio, television and communication apparatus	5 956 698	550 098	594 831	8,1	536 315	535 322	-0,2
-Professional equipment	7 368 204	678 993	647 875	-4,6	625 099	599 907	-4,0
<b>Motor vehicles, parts and accessories and other transport equipment</b>	176 807 942	12 908 994	16 473 284	27,6	15 390 100	15 593 660	1,3
-Motor vehicles	87 304 412	6 291 356	8 287 149	31,7	7 147 186	7 654 487	7,1
-Bodies for motor vehicles, trailers and semi-trailers	9 676 437	762 867	992 977	30,2	880 553	897 296	1,9
-Parts and accessories	67 353 836	4 881 344	6 042 853	23,8	6 127 110	5 864 696	-4,3
-Other transport equipment	12 473 257	973 427	1 150 305	18,2	1 235 251	1 177 181	-4,7
<b>Furniture and other manufacturing division</b>	55 532 195	4 943 401	5 311 053	7,4	5 408 902	4 962 983	-8,2
-Furniture	13 389 662	1 154 897	1 207 690	4,6	1 179 143	1 124 980	-4,6
-Other manufacturing groups	42 142 533	3 788 504	4 103 363	8,3	4 229 759	3 838 002	-9,3
<b>Total</b>	<b>1 133 824 188</b>	<b>95 566 455</b>	<b>120 379 791</b>	<b>26,0</b>	<b>116 744 082</b>	<b>115 749 276</b>	<b>-0,9</b>

1/ Preliminary.

**Table 9 – Percentage change between the current quarter and the corresponding quarter of the previous year in the physical volume of manufacturing production and sales according to manufacturing divisions and major groups**

Manufacturing divisions and major groups	Weights	Indices (base 2000=100)			Value of sales (R '000)		
		July to September 2007	July to September 2008	Annual percentage change between July to September 2007 and July to September 2008	July to September 2007	July to September 2008	Annual percentage change between July to September 2007 and July to September 2008
<b>Food and beverages</b>	16,4	128,3	130,3	1,6	47 844 199	58 995 023	23,3
-Meat, fish, fruit etc.	2,6	127,8	134,7	5,4	11 983 354	15 357 130	28,2
-Dairy products	1,1	109,5	110,8	1,2	4 122 167	4 686 008	13,7
-Grain mill products	1,5	131,1	134,9	2,9	9 085 376	12 418 833	36,7
-Other food products	6,8	126,4	120,0	-5,1	10 816 204	12 825 798	18,6
-Beverages	4,3	135,5	147,7	9,0	11 837 098	13 707 254	15,8
<b>Textiles, clothing, leather and footwear</b>	5,4	108,6	103,1	-5,1	10 518 552	10 619 729	1,0
-Textiles	1,2	84,6	75,0	-11,3	1 737 747	1 716 848	-1,2
-Other textile products	1,2	123,3	117,2	-4,9	2 601 828	2 587 111	-0,6
-Knitted, crocheted articles	0,3	85,0	85,7	0,8	451 325	484 801	7,4
-Wearing apparel	2,0	121,6	116,2	-4,4	3 802 890	3 798 048	-0,1
-Leather and leather products	0,3	106,3	99,1	-6,8	1 079 238	1 082 579	0,3
-Footwear	0,4	95,3	99,6	4,5	845 524	950 342	12,4
<b>Wood and wood products, paper, publishing and printing</b>	11,0	119,1	122,9	3,2	26 021 589	29 300 619	12,6
-Sawmilling and planing of wood	0,7	118,3	110,1	-6,9	2 012 269	2 129 281	5,8
-Products of wood	1,0	146,3	130,5	-10,8	4 812 030	4 783 908	-0,6
-Paper and paper products	4,8	114,0	133,0	16,7	10 484 587	13 151 240	25,4
-Publishing	2,4	124,8	114,6	-8,2	3 810 657	3 874 149	1,7
-Printing, recorded media	2,1	111,4	110,4	-0,9	4 902 046	5 362 041	9,4
<b>Petroleum, chemical products, rubber and plastic products</b>	22,5	125,7	138,1	9,9	61 464 398	89 983 027	46,4
-Coke, petroleum products and nuclear fuel	9,1	98,6	98,1	-0,5	22 284 765	37 538 914	68,5
-Basic chemicals	4,0	144,7	185,2	28,0	13 837 857	21 352 430	54,3
-Other chemical products	5,4	141,0	155,5	10,3	13 936 819	16 675 158	19,6
-Rubber products	1,1	78,7	90,5	15,0	2 450 491	3 159 965	29,0
-Plastic products	3,0	174,0	184,8	6,2	8 954 466	11 256 560	25,7
<b>Glass and non-metallic mineral products</b>	3,9	141,1	138,0	-2,2	8 794 454	9 574 289	8,9
-Glass and glass products	1,1	155,6	162,3	4,3	1 484 064	1 616 002	8,9
-Non-metallic mineral products	2,9	135,8	128,9	-5,1	7 310 390	7 958 287	8,9
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	22,4	129,1	127,5	-1,2	63 443 466	83 894 392	32,2
-Basic iron and steel products	5,5	107,8	112,1	4,0	22 694 810	37 500 827	65,2
-Non-ferrous metal products	4,7	120,5	112,6	-6,6	9 891 777	11 232 417	13,6
-Structural metal products	1,3	146,8	152,3	3,7	5 393 090	6 615 680	22,7
-Other fabricated metal products	4,2	150,1	149,9	-0,1	10 416 906	12 509 221	20,1
-General purpose machinery	2,4	125,2	109,1	-12,9	5 786 007	6 176 214	6,7
-Special purpose machinery	3,2	148,1	149,5	0,9	6 904 098	7 459 671	8,0
-Household appliances	1,2	127,9	129,9	1,6	2 356 778	2 400 362	1,8
-Electrical machinery	2,7	112,1	130,9	16,8	8 948 861	10 947 566	22,3
<b>Radio, television and communication apparatus and professional equipment</b>	1,3	122,9	124,6	1,4	3 513 178	3 602 091	2,5
-Radio, television and communication apparatus	0,7	102,7	113,5	10,5	1 565 420	1 670 772	6,7
-Professional equipment	0,6	143,4	135,8	-5,3	1 947 758	1 931 319	-0,8
<b>Motor vehicles, parts and accessories and other transport equipment</b>	8,6	141,1	142,9	1,3	44 971 144	50 014 148	11,2
-Motor vehicles	4,1	134,1	141,1	5,2	22 420 111	24 714 045	10,2
-Bodies for motor vehicles, trailers and semi-trailers	0,4	226,1	263,1	16,4	2 571 206	2 924 594	13,7
-Parts and accessories	3,1	152,0	145,0	-4,6	16 788 965	18 765 355	11,8
-Other transport equipment	1,0	104,0	98,4	-5,4	3 190 862	3 610 154	13,1
<b>Furniture and other manufacturing division</b>	5,8	124,3	129,8	4,4	14 257 972	16 780 258	17,7
-Furniture	1,6	147,7	148,2	0,3	3 465 266	3 628 855	4,7
-Other manufacturing groups	4,2	115,5	122,8	6,3	10 792 706	13 151 403	21,9
<b>Total</b>	<b>100,0</b>	<b>126,7</b>	<b>130,4</b>	<b>2,9</b>	<b>289 777 813</b>	<b>363 711 142</b>	<b>25,5</b>

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

Manufacturing divisions and major groups	Weights	Indices (base 2000=100)				Value of sales (R million)			
		Jan. to Sep. 2007	Jan. to Sep. 2008	Annual percentage change between 2007 and 2008	Contribution (percentage points)	Jan. to Sep. 2007	Jan. to Sep. 2008	Annual percentage change between 2007 and 2008	Difference in sales between 2007 and 2008
<b>Food and beverages</b>	16,4	121,8	125,2	2,8	0,5	135 995	165 536	21,7	29 541
-Meat, fish, fruit etc.	2,6	130,5	138,0	5,7	0,1	34 220	43 344	26,7	9 124
-Dairy products	1,1	109,6	110,4	0,7	0,0	11 570	13 745	18,8	2 175
-Grain mill products	1,5	129,5	132,4	2,2	0,0	25 193	33 964	34,8	8 771
-Other food products	6,8	109,1	110,3	1,1	0,1	29 929	35 450	18,4	5 521
-Beverages	4,3	137,2	142,3	3,7	0,2	35 084	39 033	11,3	3 949
<b>Textiles, clothing, leather and footwear</b>	5,4	100,5	101,2	0,7	0,0	29 586	30 873	4,4	1 287
-Textiles	1,2	81,2	74,8	-7,9	-0,1	4 928	4 895	-0,7	-33
-Other textile products	1,2	116,6	117,5	0,8	0,0	7 580	7 664	1,1	84
-Knitted, crocheted articles	0,3	83,5	87,0	4,2	0,0	1 371	1 491	8,8	120
-Wearing apparel	2,0	109,5	112,4	2,6	0,1	10 376	11 012	6,1	636
-Leather and leather products	0,3	101,3	106,6	5,2	0,0	3 140	3 363	7,1	223
-Footwear	0,4	82,1	86,3	5,1	0,0	2 192	2 448	11,7	256
<b>Wood and wood products, paper, publishing and printing</b>	11,0	115,5	117,7	1,9	0,2	73 516	81 431	10,8	7 915
-Sawmilling and planing of wood	0,7	119,5	110,5	-7,5	-0,1	5 908	6 174	4,5	266
-Products of wood	1,0	134,7	129,4	-3,9	0,0	12 867	13 856	7,7	989
-Paper and paper products	4,8	111,5	125,4	12,5	0,6	29 831	35 599	19,3	5 768
-Publishing	2,4	121,1	112,4	-7,2	-0,2	10 956	11 021	0,6	65
-Printing, recorded media	2,1	108,0	103,7	-4,0	-0,1	13 954	14 782	5,9	828
<b>Petroleum, chemical products, rubber and plastic products</b>	22,5	120,6	133,1	10,4	2,3	172 060	238 472	38,6	66 412
-Coke, petroleum products and nuclear fuel	9,1	93,4	99,3	6,3	0,6	61 132	98 640	61,4	37 508
-Basic chemicals	4,0	137,9	172,7	25,2	1,0	38 003	55 350	45,6	17 347
-Other chemical products	5,4	137,3	146,7	6,8	0,4	40 028	45 258	13,1	5 230
-Rubber products	1,1	83,4	89,6	7,4	0,1	7 547	8 857	17,4	1 310
-Plastic products	3,0	164,8	176,1	6,9	0,2	25 350	30 368	19,8	5 018
<b>Glass and non-metallic mineral products</b>	3,9	135,5	136,1	0,4	0,0	24 672	26 663	8,1	1 991
-Glass and glass products	1,1	150,1	158,1	5,3	0,1	4 201	4 453	6,0	252
-Non-metallic mineral products	2,9	130,1	128,0	-1,6	0,0	20 471	22 209	8,5	1 738
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	22,4	126,2	124,1	-1,7	-0,4	185 177	230 016	24,2	44 839
-Basic iron and steel products	5,5	112,7	109,5	-2,8	-0,2	69 788	102 182	46,4	32 394
-Non-ferrous metal products	4,7	118,7	112,7	-5,1	-0,2	29 109	31 366	7,8	2 257
-Structural metal products	1,3	134,8	147,1	9,1	0,1	14 572	18 043	23,8	3 471
-Other fabricated metal products	4,2	140,8	142,4	1,1	0,0	28 521	33 240	16,5	4 719
-General purpose machinery	2,4	118,6	108,5	-8,5	-0,2	16 110	17 191	6,7	1 081
-Special purpose machinery	3,2	142,1	143,9	1,3	0,0	19 870	21 025	5,8	1 155
-Household appliances	1,2	131,0	125,5	-4,2	-0,1	7 206	6 970	-3,3	-236
-Electrical machinery	2,7	105,3	120,3	14,2	0,4	24 975	30 062	20,4	5 087
<b>Radio, television and communication apparatus and professional equipment</b>	1,3	116,1	118,9	2,4	0,0	9 928	10 341	4,2	413
-Radio, television and communication apparatus	0,7	98,5	107,0	8,6	0,1	4 403	4 726	7,3	323
-Professional equipment	0,6	134,0	131,0	-2,2	0,0	5 525	5 615	1,6	90
<b>Motor vehicles, parts and accessories and other transport equipment</b>	8,6	143,3	144,3	0,7	0,1	131 120	148 484	13,2	17 364
-Motor vehicles	4,1	138,4	136,0	-1,7	-0,1	64 319	71 246	10,8	6 927
-Bodies for motor vehicles, trailers and semi-trailers	0,4	216,7	241,6	11,5	0,0	7 099	7 958	12,1	859
-Parts and accessories	3,1	153,3	156,3	2,0	0,1	50 303	58 469	16,2	8 166
-Other transport equipment	1,0	104,5	105,1	0,6	0,0	9 400	10 810	15,0	1 410
<b>Furniture and other manufacturing division</b>	5,8	116,0	119,2	2,8	0,2	40 405	46 156	14,2	5 751
-Furniture	1,6	134,8	135,0	0,1	0,0	9 430	9 707	2,9	277
-Other manufacturing groups	4,2	108,8	113,3	4,1	0,2	30 975	36 449	17,7	5 474
<b>Total</b>	<b>100,0</b>	<b>122,2</b>	<b>126,1</b>	<b>3,2</b>	<b>3,2</b>	<b>827 434</b>	<b>1 008 034</b>	<b>21,8</b>	<b>180 600</b>

1/ The contribution (percentage points) is calculated by multiplying the percentage change of each manufacturing group or division with the weight of the group or division, divided by 100.



## 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 new business register, 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 2000. Both estimated and seasonally adjusted figures are presented.
  - 3 In order to improve timeliness, some information for the latest month has 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 new business register, 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. Statistics in this publication are presented at SIC division (two digit) and major group (three digit) level. Each enterprise is classified to an industry which reflects its predominant activity.
- Response rate**
- 9 The preliminary response rate for the survey on manufacturing production and sales for September 2008 was 83,3%. Improved response rate for August 2008 was 84,6%.
- 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 approximately 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 3 042 enterprises, which was drawn in April 2008 from a population then of 56 553 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 division estimates. These procedures, which are in line with international best practice, are described in more detail on the Stats SA website at [www.statssa.gov.za/publications/publicationsearch.asp](http://www.statssa.gov.za/publications/publicationsearch.asp).
  - 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 census of manufacturing or large sample survey of the manufacturing industry. For the period 1996 to 2000, the weights are based on the 1996 Census of Manufacturing and for the period 2001 to 2008, the weights are based on the 2001 large sample survey of the manufacturing industry. Weights between census 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 E for the fixed weights which were used for the two periods 1996 to 2000 and 2001 to 2008).
- Seasonal adjustment**
- 17 Seasonally adjusted estimates of all major groups are generated each month, using the X-11 Seasonal Adjustment Programme 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 more clearly recognised. 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.

- Trend cycle**                    **18** The trend is the long-term pattern or movement of a time series. The X-11 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 to 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.
  - *SA Statistics* issued annually.
- Rounding of figures**         **23** The figures in the tables have, where necessary, been rounded to the nearest digit shown.
- Pre-release policy**            **24** Stats SA's pre-release policy may be inspected at its website, [www.statssa.gov.za](http://www.statssa.gov.za)
- Symbols and abbreviations**   **25**
- |          |   |
|----------|---|
| GDP      | Gross Domestic Product  |
| ISIC     | International Standard Industrial Classification              |
| m        | Million   |
| SIC      | Standard Industrial Classification of all Economic Activities |
| SARS     | South African Revenue Service                                 |
| Stats SA | Statistics South Africa                                       |
| VAT      | Value-added tax   |
| 1/       | Preliminary figures   |
| *        | 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.

$$n_h = \frac{N_h S_h}{\sum N_h S_h}$$

where  $N_h$  and  $S_h$  are the stratum population size and the stratum variance, respectively.

Class limits: Manufacturing

Enterprise size	Lower limits	Upper limits
Very small	0	12 500 000
Small	12 500 001	32 500 000
Medium	32 500 001	127 500 000
Large	127 500 001	

## Glossary

<b>Enterprise</b>	The 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.
<b>Index of physical volume of manufacturing production</b>	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 2000. The production in the base period is set at 100.
<b>Industry</b>	An industry is made up of enterprises engaged in the same or similar kinds of economic activity. Industries are defined in the <i>System of National Accounts (SNA)</i> in the same way as in the <i>1993 Standard Industrial Classification of all Economic Activities</i> , Fifth Edition, Report No. 09-90-02 of January 1993 (SIC).
<b>Intermediate consumption</b>	Intermediate consumption includes - <ul style="list-style-type: none"><li>• purchases and transfers-in of materials;</li><li>• payments to other establishments for work done;</li><li>• other direct factory costs;</li><li>• rent and leasing paid;</li><li>• head office charges;</li><li>• royalties, copyright, trade names and patent rights paid;</li><li>• advertising;</li><li>• insurance premiums;</li><li>• services; and</li><li>• secretarial and administrative fees.</li></ul>
<b>Output</b>	Output is the aggregate value of goods manufactured and work done and includes - <ul style="list-style-type: none"><li>• sales and transfers-out of own manufactures, factory waste and stocks of factored goods;</li><li>• repairs;</li><li>• installation, erection and assembly;</li><li>• sundry trading revenue;</li><li>• sales of factored goods minus purchases of factored goods;</li><li>• rent and leasing received;</li><li>• royalties received;</li><li>• difference between opening value and closing value of work in progress, stocks of own manufactures and stocks of factored goods;</li><li>• head office charges; and</li><li>• other revenue.</li></ul> Output excludes excise and customs duty paid.
<b>Value added</b>	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.
<b>Sales</b>	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.
<b>Turnover</b>	Turnover refers to - <ul style="list-style-type: none"><li>• the value of sales and transfers out of all own manufactured products/articles;</li><li>• amounts received for work done; and</li><li>• amounts received for services rendered.</li></ul>

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 E – Weights according to manufacturing major groups**

Manufacturing divisions and major groups	Weights according to the 2001 large sample survey of the manufacturing industry 2001 - 2008	Weights according to the 1996 census of manufacturing 1996 - 2000
<b>Food and beverages</b>	<b>16,4</b>	<b>15,3</b>
Meat, fish, fruit, etc.	2,6	2,8
Dairy products	1,1	1,4
Grain mill products	1,5	2,1
Other food products	6,8	4,4
Beverages	4,3	4,6
<b>Textiles, clothing, leather and footwear</b>	<b>5,4</b>	<b>7,8</b>
Textiles	1,2	1,7
Other textile products	1,2	1,2
Knitted, crocheted articles	0,3	0,6
Wearing apparel	2,0	3,0
Tanning, dressing of leather	0,3	0,4
Footwear	0,4	0,9
<b>Wood and wood products, paper, publishing and printing</b>	<b>11,0</b>	<b>11,4</b>
Sawmilling and planing of wood	0,7	0,8
Products of wood	1,0	1,2
Paper and paper products	4,8	5,3
Publishing	2,4	1,5
Printing, recorded media	2,1	2,6
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>22,5</b>	<b>19,3</b>
Petroleum products	9,1	4,2
Basic chemicals	4,0	4,5
Other chemical products	5,4	6,2
Rubber products	1,1	1,4
Plastic products	3,0	3,1
<b>Glass and non-metallic mineral products</b>	<b>3,9</b>	<b>4,5</b>
Glass and glass products	1,1	1,0
Non-metallic mineral products	2,9	3,5
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>22,4</b>	<b>23,6</b>
Basic iron and steel products	5,5	7,6
Non-ferrous metal products	4,7	3,2
Structural metal products	1,3	2,4
Other fabricated metal products	4,2	4,6
General purpose machinery	2,4	2,5
Special purpose machinery	3,2	2,9
Household appliances	1,2	0,4
<b>Electrical machinery</b>	<b>2,7</b>	<b>3,4</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>1,3</b>	<b>1,5</b>
Radio, television and communication apparatus	0,7	1,0
Professional equipment	0,6	0,5
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>8,6</b>	<b>9,1</b>
Motor vehicles	4,1	4,5
Bodies for motor vehicles, trailers and semi-trailers	0,4	0,5
Parts and accessories	3,1	3,0
Other transport equipment	1,0	1,0
<b>Other manufacturing divisions</b>	<b>5,8</b>	<b>4,1</b>
Furniture	1,6	1,6
Other manufacturing groups	4,2	2,6
<b>Total</b>	<b>100,0</b>	<b>100,0</b>

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