

Manufacturing: production and sales P3041.2

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Actual estimates	February 2001	% change between February 2000 and February 2001	% change between December 1999 to February 2000 and December 2000 to February 2001	% change between January 2000 to February 2000 and January 2001 February 2001
Physical volume of manufacturing production index (1995=100)	104,9	+1,6	+3,9	+3,6
Total value of sales of manufactured products (R million)	39 265,5	+11,6	+14,1	+14,9

Seasonally adjusted estimates	February 2001	% change between January 2001 and February 2001	% change between September 2000 to November 2000 and December 2000 to February 2001
Physical volume of manufacturing production index (1995=100)	107,2	-0,9	+1,6

Total value of sales of manufactured products (R million)	40 581,3	-0,1	+4,8
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Key findings as at the end of February 2001

MANUFACTURING PRODUCTION INCREASES

Manufacturing production for the three months ended February 2001 reflected an increase of 1,6% after seasonal adjustment compared with the previous three months. Higher production was reported by 20 of the 27 manufacturing divisions.

The major contributors to the increase of 1,6% after seasonal adjustment in the total manufacturing production were the motor vehicle (+0,4 of a percentage point), followed by fabricated metal products (+0,3 of a percentage point), food and food products (+0,2 of a percentage point), other chemical products (+0,2 of a percentage point), plastic products (+0,2 of a percentage point), machinery and equipment (+0,2 of a percentage point) and electrical machinery (+0,2 of a percentage point) divisions (cf. table A).

SALES OF MANUFACTURED PRODUCTS INCREASE

The total value of sales of manufactured products at current prices for the three months ended February 2001 reflected an increase of 4,8% (R5 509 million) after seasonal adjustment compared with the previous three months. Furthermore, the actual value of sales of manufactured products at current prices for the three months ended February 2001 reflected an increase of 14,1% (+R13 633 million) compared with three months ended February 2000. Higher manufacturing sales were reported by 20 of the 27 manufacturing divisions during this period.

The increase of 4,8% after seasonal adjustment in the total value of sales of manufactured products at current prices for the three months ended February 2001 compared with the previous three months was mainly due to large increases reported by the basic chemicals (+15,4% or R877 million), machinery and equipment (+9,8% or R507 million), coke and refined petroleum products (+9,2% or R802 million), food and food products (+8,2% or R1 216 million) and motor vehicle (+4,8 or R713 million) divisions.

The major contributors to the increase of 14,1% in the actual value of sales of manufactured products at current prices for the three months ended February 2001 compared with the three months ended February 2000 were the coke and refined petroleum products (+3,1 percentage points or +R3 004 million), motor vehicle (+2,8 percentage points or +R2 733 million), food and food products (+1,4 percentage points or R1 383 million), basic chemicals (+1,1 percentage points or +R1 103 million), machinery and equipment (+1,0 percentage points or +R985 million) and paper and paper products (+0,8 of a percentage point or +R748 million) divisions.

Notes

Forthcoming issues	Issue	Expected release date
	March 2001	8 May 2001
	April 2001	12 June 2001

	May 2001	10 July 2001
	June 2001	7 August 2001
	July 2001	11 September 2001
	August 2001	9 October 2001
	September 2001	6 November 2001
	October 2001	11 December 2001
	November 2001	8 January 2002
	December 2001	12 February 2002
Purpose of the survey		
	The monthly Manufacturing Production and Sales Survey is a country-wide sample survey covering a sample of private establishments, public corporations and government establishments operating in the manufacturing industry in the South African economy. The results of this survey are used to calculate physical volume of manufacturing production indices in order to estimate the gross domestic product (GDP) to monitor and develop Government policy.	

Additional information

Explanatory notes

Introduction	1	Statistics South Africa (Stats SA) conducts a monthly sample survey of the manufacturing industry covering private manufacturing establishments (branches), public corporations and government establishments. This statistical release contains detailed information regarding indices of the physical volume of manufacturing production, the total value of sales of manufactured products and unfilled orders, according to manufacturing divisions and major groups on a monthly basis.
	2	In accordance to international practice, the indices have to be rebased every five years to a new base year. The indices in this statistical release have been calculated on the basis of 1995=100 since November 1997. Both actual and seasonally adjusted figures are presented.
	3	In order to improve timeliness, some information for the current month February have been estimated due to late response. These estimates

		will be revised in the future statistical release(s) as soon as more up-to-date information is available.
Scope of the survey	4	<p>This survey covers manufacturing establishments conducting activities regarding -</p> <ul style="list-style-type: none"> • the manufacturing, processing, making or packing of products; • the slaughtering of animals, including poultry; and • installation, assembly, completion, repair and related work.
Classification	5	<p>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, major group and subgroup level. Each statistical unit is classified to an industry which reflects the predominant activity of the establishment (branch).</p>
Statistical unit	6	<p>The basic statistical unit for the collection of information is the manufacturing establishment. An establishment is the smallest economic unit that functions as a separate entity. Each statistical unit is classified to an industry (cf. paragraph 6).</p>
Survey methodology and design	7	<p>The calculation of the monthly production indices is based on the value of products and articles manufactured, after the effect of price changes has been eliminated through deflation by using appropriate sub-indices of the Production Price Index (PPI). The value of the manufactured products is obtained from a monthly sample survey of manufacturing establishments in the private and public sectors.</p>
	8	<p>The survey is collected by mail each month from a sample of approximately 2 500 manufacturing establishments.</p>
	9	<p>The above-mentioned measurement method in paragraph 7 was followed in 40 of the various major groups. On account of certain considerations more appropriate indicators were used for the four remaining major groups namely "other transport equipment"; tobacco products and coke and refined petroleum products and bodies for motor vehicles. The volume indices for the major groups tobacco products and coke and refined petroleum products are calculated on the basis of physical quantities. The major group tobacco products is included under 'Other' manufacturing industries. This method is also applied by other international statistical agencies for petroleum products due to the results being more satisfactory (mainly due to these commodities being relatively homogeneous and the nature of the industry). In the case of "other transport equipment" units such as ships and aircraft are completed over a relatively long period and establishments can often not report charges for work done continuously. The sales and charges for work done are only shown after completion of the product, which is not</p>

		a true reflection of the real production for the month under consideration. Therefore the index for "other transport equipment" is calculated monthly according to man-hours worked.
Sample design	10	The 1988 Census of Manufacturing provided the sampling frame for the selection of the monthly sample regarding manufacturing production and sales which was implemented as from January 1995. A stratified systematic sample design based on gross output was used. All statistical units were stratified by type of economic activity according to the Standard Industrial Classification of all Economic Activities (SIC) and measure of size, where measure of size was the total manufacturing gross output of the establishment. All large establishments (size category one cases) are completely enumerated. A sample was drawn from medium and small size establishments by systematically selecting establishments with equal probability.
Benchmarking	11	The index of physical volume of manufacturing production as well as the total value of sales of manufactured products should provide an accurate reflection of the trend of activities of the relevant industry. The level of activities as measured by the monthly Manufacturing Production and Sales sample survey is based on information received from a sample of manufacturing establishments which is weighted according to the original sample design in order to represent the population of manufacturing establishments. It is necessary to adjust the level of activities as measured by the monthly sample survey to the level of activities as measured periodically by the Census of Manufacturing. This procedure, whereby the latest results of an economic census are used to compile more accurate level estimates for a certain year, is known as benchmarking. The results, due to benchmarking, were published in statistical releases P3041.3 (entitled Manufacturing statistics: Indices of the physical volume of manufacturing production, Base: 1995=100, January 1990 to September 1999) on 21 December 1999 and P3041.4 (entitled Manufacturing statistics: Value of sales, January 1990 to September 1999) on 8 December 1999.
	12	The results of the 1991, 1993 and 1996 Censuses of Manufacturing and information obtained from the former TBVC states were used to adjust the level of the manufacturing production indices and the value of sales of manufactured products. The total value of output of the manufacturing major groups (which represents the total value of work done by the establishments in these major groups) as obtained from the manufacturing censuses, was deflated with appropriate sub-indices of the Production Price Index in order to calculate the real output. The latter served as benchmarks to verify or adjust the level of the monthly physical volume of manufacturing production indices. The level adjustments were done on the volume indices for January of the relevant census year (e.g. the 1996 census year covers the period 1 July 1995 to 30 June 1996 and therefore the benchmarking was done using the index of January 1996 as reference point). The motor vehicle major group is the only exception where the financial year for most of the establishments covered the period 1 January 1995 to 31 December 1995. The benchmarking was done using the physical volume of manufacturing production index for July 1995 as reference point.

Production index for the total manufacturing industry	13	<p>In order to calculate a production index for the total manufacturing industry, the production indices for the major groups are combined as follows:</p> <p>A weight is calculated for every major group according to the value added of the relevant major group compared with the value added to the total manufacturing industry based on the 1991, 1993 and 1996 Censuses of Manufacturing. Weights between census years are fixed and are based on the results of the most recent Census of Manufacturing. The production indices of all the major groups are multiplied by the applicable weights and aggregated to reflect the total physical volume of manufacturing production index.</p>
Seasonal adjustment	14	<p>Seasonally adjusted estimates of all items are generated each month, using the X-11 Seasonal Adjustment Program developed by US Bureau of the Census Economic Research and Analyses Division, 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. This means the month-to-month movements of seasonally adjusted estimates may not be reliable indicators of trend behaviour.</p>
Trend cycle	15	<p>The trend is the long-term pattern or movement of a time series. The X-11 Seasonal Adjustment Program is used for smoothing seasonally adjusted estimates.</p>
Reliability of estimates	16	<p>Estimates are subject to sampling and non-sampling errors. Figures for the latest month are preliminary.</p>
Historical data	17	<p>More comprehensive detail on the method of calculation and historical data in respect of the production indices according to manufacturing major groups and the value of sales for the period January 1990 to September 1999 were published in statistical releases P3041.3 (entitled Manufacturing statistics: Indices of the physical volume of manufacturing production, Base: 1995=100, January 1990 to September 1999) on 21 December 1999 and P3041.4 (entitled Manufacturing statistics: Value of sales, January 1990 to September 1999) on 8 December 1999.</p>
Related publications	18	<p>Users may also wish to refer to the following publications which are available from Stats SA -</p> <ul style="list-style-type: none"> • P3041.3 -Manufacturing statistics: Indices of the physical volume of manufacturing production, Base: 1995=100, January 1990 to September 1999. • P3041.4 - Manufacturing statistics: Value of sales (divisions, major groups and subgroups), January 1990 to September

		<p>1999.</p> <ul style="list-style-type: none"> • Bulletin of Statistics. • SA Statistics.
Unpublished statistics	19	In some cases Stats SA can also make available statistics which are not published. The statistics can be made available as: computer printouts, diskette and CD. Generally a charge is made for providing unpublished statistics.
Rounding-off of figures	20	The figures in the tables have, where necessary, been rounded off to the nearest final digit shown. There may, therefore, be slight discrepancies between the sums of the constituent items and the totals shown.
Pre-release policy	21	Stats SA has adopted the confidential pre-release policy in respect of selected economic indicators and specific government departments. The policy accords with practice among leading statistical agencies. The statistical integrity of the indices and strict observance of the release time has been assured by the following procedure:
	22	In respect of this statistical release, an official representative from the Office of the President, the Office of the Deputy President, the Department of Trade and Industry, the Department of Finance and the South African Reserve Bank receive a copy of the release on a strictly confidential basis two hours in advance of the public issue.
	23	Stats SA's pre-release policy may be inspected at its Website, www.statssa.gov.za .
Symbols and abbreviations		<p>Stats SA Statistics South Africa</p> <p>TBVC states Relates to the former Transkei, Bophuthatswana, Venda and Ciskei states</p> <p>SIC Standard Industrial Classification of all Economic Activities</p> <p>ISIC International Standard Classification of all Economic Activities</p> <p>SNA System of National Accounts</p> <p>PPI Production Price Index</p> <p>GDP Gross Domestic Product</p> <p>1/ Preliminary figures</p> <p>* Revised figures</p>

Technical notes	
Response rates	See the response rates for February 2001, by manufacturing major divisions, in table B.

Table B - Response rates for February 2001

Manufacturing major divisions	% response
Food and food products	80,9
Beverages	89,7
Textile	88,7
Total wearing apparel	77,9
Tanning and dressing of leather	63,3
Footwear	68,2
Wood and products of wood	63,9
Paper and paper products	75,3
Total publishing and printing	64,7
Coke and refined petroleum products	63,3
Basic chemicals	83,5
Other chemical products	83,2
Rubber products	78,3
Plastic products	71,9
Glass and glass products	92,3
Other non-metallic mineral products	74,1
Basic iron and steel products	73,8
Basic precious and non-ferrous metal products	66,7
Fabricated metal products	66,3
Total machinery and equipment	76,2
Electrical machinery, apparatus	55,8
Radio, television and communication apparatus	62,5

Professional equipment	62,1
Motor vehicles; trailers; parts and accessories	86,5
Other transport equipment	71,1
Furniture	81,9
Other manufacturing industries	72,9
Total	75,2

Glossary	
Enterprise	An enterprise (firm) is a legal entity consisting of one or more establishments. The establishments need not necessarily all be manufacturing establishments, but some may be classifiable as other industries of the economy, such as wholesale trade, retail trade, motor trade and construction.
Establishment	An establishment is defined as an enterprise (firm), or part of an enterprise, that is situated at a single location and in which only a single (non-ancillary) productive activity is carried out or in which the principal productive activity accounts for most of the value added.
Index of physical volume of manufacturing production	The index of physical volume of manufacturing production or 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 1995. The production in the base period is set at 100.
Industry	An industry consists of a group of establishments engaged in the same or similar kinds of economic activity. Industries are defined in the System of National Accounts (SNA) in the same way as in the Standard Industrial Classification of all Economic Activities, Fifth Edition, Report No. 09-90-02 of January 1993 (SIC).
Intercensal period	Intercensal period is the period between January of the one census year and January of the next census year.
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	<p>Output is the aggregate value of goods manufactured and work done.</p> <p>Output includes -</p> <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.
Weight	The weight of a major group is the ratio of the value added of a major group (i.e. output of a major group minus intermediate consumption) to the total value added of the manufacturing industry. The weight of a major group reflects the importance of the major group in the total manufacturing industry. The weights change over time due to quality changes, changes in relative prices, and changes in preference, etc. New weights need to be calculated from time to time.

Table A - Contribution of the production by the different manufacturing divisions to the total manufacturing production (Base 1995=100)

Manufacturing Divisions	Percentage contribution to total manufacturing production in the base year 1995 (Weights)	Average seasonally adjusted production index for the three months December 2000 to February 2001	Quarterly percentage change (December 2000 to February 2001 compared with the preceding three months)	Contribution (percentage points) to the seasonally adjusted quarterly percentage change in total manufacturing production 1/
Food and food products	10,7	101,6	+1,6	+0,2
Beverages	4,6	89,7	-2,0	-0,1
Total textiles	2,9	94,2	+4,6	+0,0
Total wearing apparel	3,6	79,6	+1,7	+0,0
Tanning and dressing of leather	0,4	138,3	+12,3	+0,1
Footwear	0,9	63,4	+3,4	+0,0
Wood and products of wood	1,9	121,1	+1,2	+0,0
Paper and paper products	5,3	108,8	+1,4	+0,1
Total publishing and printing	4,1	86,9	-0,8	-0,0
Coke and refined petroleum products	4,2	105,1	-3,0	-0,1
Basic chemicals	4,5	140,0	+1,9	+0,1
Other chemical products	6,2	102,9	+3,4	+0,2
Rubber products	1,4	104,6	+0,9	+0,0
Plastic products	3,1	96,2	+7,6	+0,2
Glass and glass products	1,0	95,2	+5,2	+0,0
Other non-metallic mineral products	3,5	92,2	+1,8	+0,1
Basic iron and steel products	7,6	115,0	-1,8	-0,1
Basic precious and non-ferrous metal products	3,2	160,2	-6,4	-0,2
Fabricated metal products	7,0	107,4	+3,9	+0,3
Total machinery and equipment	5,8	110,2	+3,5	+0,2
Electrical machinery, apparatus	3,4	108,0	+5,1	+0,2
Radio, television and communication apparatus	1,0	123,9	+8,0	+0,1
Professional equipment	0,5	90,4	+4,0	+0,0
Motor vehicles; trailers; parts and accessories	8,0	140,2	+5,5	+0,4
Other transport equipment	1,0	119,1	+0,3	+0,0
Furniture	1,6	99,0	-0,6	-0,0
Other manufacturing divisions	2,6	107,8	-5,0	-0,1
Total	100,0	109,1	+1,6	+1,6

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

Table 1 - Indices of the physical volume of manufacturing production: Total

Base 1995 = 100							
Month	1995	1996	1997	1998	1999	2000	2001
Actual indices							
J	80,6	83,6	89,8	89,6	86,7	88,8	94,0
F	97,6	96,7	103,1	101,1	98,0	103,2	104,9 1/
M	104,2	102,6	102,5	102,8	101,5	109,0	
A	91,0	96,4	105,5	96,3	94,8	93,3	
M	101,8	104,1	106,2	101,1	101,1	106,5	
J	102,4	102,9	104,9	104,5	100,5	110,4	
J	101,7	104,7	108,2	104,4	104,3	107,2	
A	106,0	107,8	105,8	100,0	103,5	108,5	
S	106,7	105,2	108,3	106,8	107,0	112,5	
O	112,5	115,8	119,1	111,8	112,9	117,0	
N	110,7	114,4	111,7	109,8	115,5	120,7	
D	84,8	83,7	86,9	85,3	90,6	94,7	
Year	100,0	101,5	104,3	101,1	101,4	106,0	

Seasonally adjusted indices

J	96,5	99,1	105,5	104,7	100,5	102,1	108,2
F	99,3	98,7	105,2	103,1	100,0	105,4	107,2
M	99,9	99,5	100,4	101,1	100,1	107,7	
A	97,3	102,1	111,1	101,3	99,6	98,3	
M	101,6	104,0	105,4	100,1	100,4	105,7	
J	101,1	101,5	103,2	102,8	99,0	108,5	
J	99,9	102,4	105,6	101,7	101,7	104,3	
A	102,6	104,6	103,0	97,7	101,5	106,6	
S	101,5	100,2	103,1	101,9	102,2	107,3	
O	101,3	103,3	106,3	100,2	101,5	105,5	
N	99,8	103,0	100,9	99,2	104,5	109,3	
D	98,2	98,9	102,3	100,3	106,9	111,8	

* Revised

1/ Preliminary

Table 2 - Indices of the physical volume of manufacturing production according to manufacturing divisions and major groups

Base 1995 = 100

Manufacturing divisions and major groups	Weights	Year 2000	Actual indices			Seasonally adjusted indices		
			February 2000	January 2001	February ^{1/} 2001	February 2000	January 2001	February
Food and food products	10,7	98,9	87,2	87,4	92,1	96,3	101,2	102,6
Meat, fish, fruit etc.	2,8	111,7	116,4	106,8	118,8	107,0	112,9	110,0
Dairy products	1,4	89,4	87,2	87,9	88,6	91,7	88,0	93,2
Grain mill products	2,1	90,9	86,0	84,1	86,3	91,7	89,9	92,2
Other food products	4,4	97,3	69,1	76,3	78,9	93,0	103,2	105,8
Beverages	4,6	92,6	87,0	83,3	87,3	95,9	84,6	96,1
Total textiles	2,9	93,5	96,8	68,8	96,4	94,3	95,9	94,2
Textiles	1,7	84,6	91,3	59,7	84,6	86,7	80,0	80,3
Other textile products	1,2	106,2	104,5	81,8	113,1	105,0	118,4	114,0
Total wearing apparel	3,6	82,7	88,2	52,4	74,4	89,2	78,5	75,7
Knitted, crocheted articles	0,6	73,6	87,5	45,7	70,3	83,4	62,3	67,2
Wearing apparel	3,0	84,5	88,4	53,8	75,2	90,4	81,7	77,4
Tanning and dressing of leather	0,4	125,2	131,2	117,9	126,0	129,6	149,5	125,9
Footwear	0,9	65,6	74,8	42,6	58,2	72,7	69,0	56,6
Wood and products of wood	1,9	119,3	120,6	95,7	123,9	119,7	123,0	123,2
Sawmilling and planing of wood	0,8	104,8	109,5	81,5	109,6	107,0	108,3	107,1
Products of wood	1,2	128,8	127,9	105,0	133,2	128,0	132,6	133,7
Paper and paper products	5,3	105,3	97,1	108,4	96,4	106,1	112,0	105,7
Total publishing and printing	4,1	90,0	92,6	77,0	81,8	97,3	88,1	85,9
Publishing	1,5	97,8	100,9	99,0	91,5	105,7	103,9	96,2
Printing, recorded media	2,6	85,6	88,0	64,7	76,3	92,6	79,3	80,2
Coke and refined petroleum products	4,2	104,5	101,0	110,4	104,5	101,0	103,6	104,3
Basic chemicals	4,5	134,9	118,3	130,5	142,3	114,5	137,1	138,1
Other chemical products	6,2	101,8	100,7	88,1	96,9	103,1	104,8	99,6
Rubber products	1,4	98,7	114,6	88,6	111,7	102,5	110,2	100,8
Plastic products	3,1	89,5	91,7	72,6	99,5	87,8	92,4	95,3
Glass and glass products	1,0	88,5	84,4	83,8	97,4	83,6	99,6	97,1
Other non-metallic mineral products	3,5	90,0	86,9	75,1	87,9	88,9	89,5	90,0
Basic iron and steel products	7,6	116,3	106,4	111,7	104,7	114,4	117,2	112,8
Basic precious and non-ferrous metal products	3,2	163,4	159,5	151,5	143,9	167,3	159,7	150,7
Fabricated metal products	7,0	103,4	104,6	91,8	103,4	104,7	107,4	103,4
Structural metal products	2,4	90,5	89,7	81,5	81,0	92,5	95,5	83,6
Other fabricated metal product	4,6	110,0	112,3	97,1	114,9	110,9	113,5	113,5
Total machinery and equipment	5,8	99,4	103,5	91,0	112,4	100,8	107,4	109,0
General purpose machinery	2,5	110,6	112,5	89,1	120,0	115,6	113,3	123,3
Special purpose machinery	2,9	87,5	94,0	94,9	105,7	85,3	101,7	95,4
Household appliances	0,4	116,9	115,4	74,7	112,9	120,8	111,3	118,5
Electrical machinery, apparatus	3,4	102,3	101,2	86,0	104,6	99,5	101,7	102,8
Radio, television and communication apparatus	1,0	123,7	136,9	107,0	124,6	134,4	126,8	122,1
Professional equipment	0,5	80,9	77,9	81,1	96,0	77,0	89,6	94,6
Motor vehicles; trailers; parts and accessories	8,0	125,4	127,0	109,3	141,1	122,5	134,3	135,6
Motor vehicles	4,5	114,9	119,3	96,6	131,7	113,1	126,1	123,9
Bodies for motor vehicles; trailers and semi-trailers	0,5	63,3	65,3	46,1	77,6	61,9	61,8	74,2
Parts and accessories	3,0	152,4	149,8	140,0	166,8	147,6	159,9	164,5
Other transport equipment	1,0	115,0	104,0	122,3	106,5	111,5	115,6	114,3

Furniture	1,6	98,9	100,3	61,1	92,6	102,6	96,1	95,4
Other manufacturing divisions	2,6	110,4	108,0	77,2	107,1	108,9	106,7	111,8
Total	100,0	106,0	103,2	94,0	104,9	105,4	108,2	107,2

* Revised

1/ Preliminary

Table 3 - Value of sales of the manufacturing industry: Total (R'000)

Month	1995	1996	1997	1998	1999	2000*	2001
Actual values							
J	19 206 220	21 803 249	25 254 480	25 913 926	26 410 458	28 623 626	34 028 373
F	24 414 317	26 328 500	29 866 793	29 901 544	30 607 558	35 169 179	39 265 469 1/
M	26 712 878	28 188 286	29 866 272	32 190 538	32 788 344	37 990 206	
A	22 897 368	26 231 967	30 438 604	29 758 879	30 508 382	32 761 877	
M	25 806 431	28 293 052	30 626 091	30 352 835	32 737 449	37 114 192	
J	26 204 689	28 261 416	30 575 542	31 723 893	33 126 289	38 759 397	
J	25 613 126	28 378 392	31 169 707	31 732 667	33 429 319	36 349 255	
A	27 064 919	29 568 761	31 400 042	30 810 619	33 740 922	39 018 117	
S	27 737 968	29 549 724	31 344 644	32 896 327	35 884 855	39 907 462	
O	29 294 559	33 070 022	35 902 602	34 970 472	37 425 965	41 630 639	
N	29 960 074	33 084 713	33 709 581	34 300 610	38 884 753	43 798 356	
D	23 877 458	26 338 721	28 128 922	29 016 347	33 021 543	37 153 893	
Year	308 790 007	339 096 803	368 283 280	373 568 657	398 565 837	448 276 199	

Seasonally adjusted values							
J	23 567 205	26 617 736	30 609 221	31 178 868	31 582 099	34 141 283	40 604 833
F	24 834 358	26 863 137	30 585 983	30 724 577	31 525 432	36 287 470	40 581 303
M	25 201 138	26 775 134	28 582 872	30 942 166	31 614 686	36 642 608	
A	24 374 530	27 793 389	32 094 507	31 303 638	32 109 898	34 491 854	
M	25 938 209	28 326 572	30 599 875	30 329 877	32 811 166	37 271 616	
J	25 885 404	27 937 981	30 240 294	31 379 908	32 727 601	38 249 282	
J	25 457 316	28 210 123	30 959 028	31 481 572	33 123 737	36 001 836	
A	26 399 744	28 949 049	30 856 278	30 325 734	33 278 837	38 547 924	
S	26 482 083	28 263 351	30 034 267	31 517 649	34 336 435	38 114 005	
O	26 380 068	29 780 014	32 385 944	31 685 894	34 069 190	38 010 257	
N	26 843 062	29 732 772	30 391 571	30 982 425	35 153 013	39 617 280	
D	26 794 130	29 298 214	31 002 576	31 625 066	35 740 640	40 064 295	

* Revised

1/ Preliminary

Table 4 - Value of sales of manufactured products according to manufacturing divisions and major groups (R'000)

Manufacturing divisions and major groups	Year	Actual values			Seasonally adjusted value		
		February	January	February 1/	February	January	Febr
Food and food products	59 363 418	4 438 518	4 796 258	5 112 062	4 741 154	5 323 386	5 4
Meat, fish, fruit etc.	17 548 765	1 384 862	1 271 304	1 365 278	1 385 738	1 437 586	1 3
Dairy products	7 219 584	575 269	584 447	617 006	600 255	632 226	6
Grain mill products	15 205 535	1 182 685	1 176 095	1 205 689	1 271 849	1 295 125	1 2
Other food products	19 389 534	1 295 702	1 764 412	1 924 089	1 512 908	1 924 240	2 2
Beverages	20 378 659	1 544 024	1 515 254	1 637 544	1 756 386	1 613 166	1 8
Total textiles	10 164 459	864 558	566 151	878 602	864 694	847 280	8
Textiles	6 440 583	564 128	356 506	547 610	551 222	518 562	5
Other textile products	3 723 876	300 430	209 645	330 992	311 045	328 340	3
Total wearing apparel	10 532 533	855 642	518 857	829 252	884 229	853 591	8

Knitted, crocheted articles	1 693 563	156 876	81 880	135 822	152 073	128 339	1
Wearing apparel	8 838 970	698 766	436 977	693 430	727 074	739 576	7
Tanning and dressing of leather	2 666 786	235 700	219 229	230 477	230 577	310 258	2
Footwear	2 238 178	212 870	87 041	159 735	204 972	162 576	1
Wood and products of wood	9 073 197	719 668	621 954	807 558	730 406	806 999	8
Sawmilling and planing of wood	2 589 363	210 341	162 290	223 170	209 766	221 530	2
Products of wood	6 483 834	509 327	459 664	584 388	519 687	583 097	5
Paper and paper products	23 434 546	1 732 475	1 930 744	1 921 208	1 873 289	2 197 010	2 0
Total publishing and printing	12 025 406	997 833	919 480	940 390	1 048 324	1 063 599	9
Publishing	4 668 251	400 109	417 999	384 224	427 556	434 928	4
Printing, recorded media	7 357 155	597 724	501 481	556 166	631 533	611 922	5
Coke and refined petroleum products	31 823 682	2 132 776	3 065 584	3 049 730	2 273 024	3 220 381	3 2
Basic chemicals	22 044 200	1 657 851	2 048 886	2 087 535	1 673 852	2 348 754	2 1
Other chemical products	26 327 958	2 112 770	1 875 512	2 213 722	2 190 049	2 272 729	2 2
Rubber products	4 645 737	415 710	311 022	451 706	385 960	433 377	4
Plastic products	10 669 187	855 360	799 182	971 821	865 636	1 011 563	9
Glass and glass products	2 280 493	170 159	164 478	228 452	171 171	216 541	2
Other non-metallic mineral products	10 249 683	767 968	728 645	878 331	801 263	922 463	9
Basic iron and steel products	33 120 629	2 587 977	2 444 901	2 616 813	2 668 544	2 820 914	2 7
Basic precious and non-ferrous metal products	15 542 665	1 110 555	1 108 432	1 246 492	1 178 263	1 373 300	1 3
Fabricated metal products	24 753 734	1 995 742	1 711 017	2 057 687	2 034 420	2 140 766	2 1
Structural metal products	7 818 495	583 153	467 530	592 636	626 675	648 963	6
Other fabricated metal product	16 935 239	1 412 589	1 243 487	1 465 051	1 395 006	1 473 360	1 4
Total machinery and equipment	19 663 134	1 489 330	1 459 817	1 740 119	1 539 104	1 886 648	1 7
General purpose machinery	8 954 927	640 156	578 446	687 073	696 855	763 665	7
Special purpose machinery	8 523 999	675 447	786 229	879 188	658 268	892 937	8
Household appliances	2 184 208	173 727	95 142	173 858	180 323	156 265	1
Electrical machinery, apparatus	13 206 995	1 038 784	924 938	1 200 005	1 030 412	1 171 699	1 1
Radio, television and communication apparatus	4 639 808	394 923	335 173	411 394	390 383	407 665	4
Professional equipment	1 388 382	112 793	120 427	134 662	113 089	142 075	1
Motor vehicles; trailers; parts and accessories	54 014 461	4 495 516	3 976 412	5 292 600	4 380 464	5 143 349	5 1
Motor vehicles	37 493 963	3 211 112	2 638 774	3 584 784	3 112 371	3 477 360	3 4
Bodies for motor vehicles; trailers and semi-trailers	1 670 903	133 946	96 674	140 649	142 250	147 875	1
Parts and accessories	14 849 595	1 150 458	1 240 964	1 567 167	1 125 802	1 472 379	1 5
Other transport equipment	3 247 376	444 053	198 998	238 319	414 624	264 358	2
Furniture	6 253 537	492 555	279 341	477 001	516 573	447 591	5
Other manufacturing divisions	14 527 356	1 293 069	1 300 640	1 452 252	1 237 005	1 442 002	1 3
Total	448 276 199	35 169 179	34 028 373	39 265 469	36 287 470	40 604 833	40 5

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1/ Preliminary

Table 5 - Value of unfilled orders according to selected manufacturing subgroups (R'000)

Selected manufacturing subgroups	Actual values			Seasonally adjusted va	
	February	January	February 1/	February	January
	2000	2001		2000	2001
Spinning, weaving and finishing of textiles	236 894	197 892	201 634	224 177	203 922
Tents, tarpaulins, sails and other canvas goods and automotive textile goods	34 671	31 086	30 280	30 770	27 838
Other textile articles	61 917	59 302	51 546	61 314	66 466
Knitted and crocheted fabrics and articles	181 262	129 126	135 492	179 645	134 163
Wearing apparel	699 146	655 726	639 588	745 634	687 109
Sawmilling and preserving of timber	22 737	26 417	25 441	22 573	26 077
Veneer sheets, plywood, laminboard, etc.	25 636	21 750	20 862	26 298	22 404
Builders' carpentry and joinery	43 647	44 444	44 227	47 254	44 051
Pulp, paper and paperboard	371 396	327 001	388 546	410 237	412 710
Corrugated paper and paper-board and containers	394 781	378 001	409 027	368 080	377 643
Paints, varnishes and coatings	26 963	20 748	21 816	26 670	20 306

Basic iron and steel products	3 321 677	2 985 982	3 008 697	3 206 471	2 924 988	2
Steel pipe and tube mills	143 275	184 910	184 405	146 125	179 075	
Basic precious and non-ferrous metal products	1 227 799	1 334 688	1 430 863	1 244 854	1 422 799	1
Metal structures, parts	1 048 649	1 270 963	1 209 318	1 109 884	1 323 737	1
Cutlery, hand tools and general hardware	31 773	30 807	31 169	31 770	31 722	
Metal containers, e.g. cans and tins	76 547	75 165	74 472	73 687	69 876	
Cables, wire products, springs	63 978	56 365	61 411	61 881	61 592	
Metal fasteners	58 680	56 591	58 277	55 024	50 249	
All other metal products	524 238	610 240	604 729	569 393	670 059	
Domestic appliances	37 905	39 338	34 850	38 356	39 399	
Electric motors, generators and transformers	451 272	379 353	366 533	471 661	401 086	
Insulated wire and cables	213 650	289 356	286 368	204 518	276 268	
Accumulators, primary cells and primary batteries	13 006	12 820	13 594	13 734	13 191	
Television, radio and communication apparatus	718 250	857 333	1 734 861	701 622	911 835	1
Motor vehicles	1 864 085	2 266 840	2 451 369	1 908 093	2 310 135	2
Parts and accessories for motor vehicles	287 963	302 938	275 916	292 234	311 571	
Furniture	232 101	260 803	224 875	269 554	292 488	

* Revised

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