

Manufacturing: production and sales P3041.2

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Actual estimates	January 2001	% change between January 2000 and January 2001	% change between November 1999 to January 2000 and November 2000 to January 2001
Physical volume of manufacturing production index (1995=100)	93,9	+5,7	+4,9
Total value of sales of manufactured products (R million)	34 159,6	+19,3	+14,7

Seasonally adjusted estimates	January 2001	% change between December 2000 and January 2001	% change between August 2000 to October 2000 and November 2000 to January 2001
Physical volume of manufacturing	108,8	-2,5	+3,3

production index (1995=100)			
Total value of sales of manufactured products (R million)	40 571,9	-0,5	+5,4

Key findings as at the end of January 2001

MANUFACTURING PRODUCTION INCREASES

Manufacturing production for three months ended January 2001 reflected an increase of 3,3% after seasonal adjustment compared with the previous three months. Higher production was reported by 21 of the 27 manufacturing divisions.

The major contributors to the increase of 3,3% after seasonal adjustment in the total manufacturing production were the machinery and equipment (+0,7 of a percentage point), followed by motor vehicle (+0,6 of a percentage point), other chemical products (+0,3 of a percentage point), basic iron and steel products (+0,3 of a percentage point) and fabricated metal products (+0,3 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 January 2001 reflected an increase of 5,4% (R6 219 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 January 2001 reflected an increase of 14,7% (+R14 760 million) compared with three months ended January 2000. Higher manufacturing sales were reported by 22 of the 27 manufacturing divisions during this period.

The increase of 5,4% after seasonal adjustment in the total value of sales of manufactured products at current prices for the three months ended January 2001 compared with the previous three months was mainly due to large increases reported by the machinery and equipment (+13,8% or +R698 million), other manufacturing industries (+13,3% or R493 million), basic chemicals (+8,2% or R475 million), motor vehicle (+7,1% or R1 030 million), coke and refined petroleum products (+6,9% or R600 million), basic iron and steel products (+4,8% or +R390 million) and food and food products (+3,5% or +R523 million) divisions.

The major contributors to the increase of 14,7% in the actual value of sales of manufactured products at current prices for the three months ended January 2001 compared with the three months ended January 2000 were the motor vehicle (+3,3 percentage points or +R3 357 million), coke and refined petroleum products (+3,2 percentage points or +R3 166 million), machinery and equipment (+1,1 percentage points

or +R1 106 million), basic iron and steel products (+1,0 percentage points or +R1 032 million), food and food products (+0,9 of a percentage point or +R882 million) , paper and paper products (+0,8 of a percentage point or +R841 million) and fabricated metal products (+0,8 of a percentage point or +R838 million) divisions.

Notes

Forthcoming issues	Issue	Expected release date
	February 2001	10 April 2001
	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 January 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	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 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

		<p>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.</p>
	12	<p>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.</p>
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>

		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.
Seasonal adjustment	14	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.
Trend cycle	15	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.
Reliability of estimates	16	Estimates are subject to sampling and non-sampling errors. Figures for the latest month are preliminary.
Historical data	17	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.
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 1999. ▪ 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 January 2001, by manufacturing major divisions, in table B.
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Table B - Response rates for January 2001

Manufacturing major divisions	% response
Food and food products	77,7
Beverages	84,7
Textile	93,9
Total wearing apparel	78,9
Tanning and dressing of leather	70,0
Footwear	81,8
Wood and products of wood	72,7
Paper and paper products	78,5
Total publishing and printing	68,6
Coke and refined petroleum products	76,7
Basic chemicals	84,8
Other chemical products	77,2
Rubber products	86,4
Plastic products	66,3

Glass and glass products	91,7
Other non-metallic mineral products	76,9
Basic iron and steel products	80,0
Basic precious and non-ferrous metal products	72,0
Fabricated metal products	76,6
Total machinery and equipment	79,4
Electrical machinery, apparatus	62,1
Radio, television and communication apparatus	70,8
Professional equipment	60,7
Motor vehicles; trailers; parts and accessories	84,8
Other transport equipment	65,7
Furniture	84,7
Other manufacturing industries	74,1
Total	77,1

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;

	<ul style="list-style-type: none"> • 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 the total manufacturing production in the base year 1995 (Weights)	Average seasonally adjusted production index for the three months November 2000 to January 2001	Quarterly percentage change (November 2000 to January 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	101,0	+1,3	+0,1
Beverages	4,6	87,0	-5,4	-0,3
Total textiles	2,9	92,4	+1,7	+0,1
Total wearing apparel	3,6	82,1	+4,9	+0,2
Tanning and dressing of leather	0,4	145,8	+22,4	+0,1
Footwear	0,9	64,9	+3,8	+0,0
Wood and products of wood	1,9	118,7	-1,6	-0,0
Paper and paper products	5,3	108,8	+1,3	+0,1
Total publishing and printing	4,1	88,9	+1,6	+0,1
Coke and refined petroleum products	4,2	105,5	-3,4	-0,2
Basic chemicals	4,5	142,2	+3,0	+0,1
Other chemical products	6,2	105,0	+5,4	+0,3
Rubber products	1,4	107,9	+7,4	+0,1
Plastic products	3,1	95,6	+6,1	+0,2
Glass and glass products	1,0	91,4	-1,0	-0,0
Other non-metallic mineral products	3,5	96,3	+6,2	+0,2
Basic iron and steel products	7,6	117,2	+4,0	+0,3

Basic precious and non-ferrous metal products	3,2	164,5	-3,6	-0,1
Fabricated metal products	7,0	110,2	+4,6	+0,3
Total machinery and equipment	5,8	111,9	+12,6	+0,7
Electrical machinery, apparatus	3,4	107,0	+5,2	+0,2
Radio, television and communication apparatus	1,0	115,7	-7,6	-0,1
Professional equipment	0,5	88,7	+11,7	+0,1
Motor vehicles; trailers; parts and accessories	8,0	139,3	+7,1	+0,6
Other transport equipment	1,0	122,4	+6,4	+0,1
Furniture	1,6	105,1	+9,0	+0,1
Other manufacturing divisions	2,6	111,0	+0,2	+0,0
Total	100,0	110,0	+3,3	+3,3

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	93,9 1/
F	97,6	96,7	103,1	101,1	98,0	103,2	
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	120,8*	
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	105,6	105,0	100,9	102,6	108,8
F	99,3	98,6	105,1	102,7	99,7	104,8	
M	100,0	99,5	100,3	101,1	100,0	107,6	

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

* 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		
			January	December	January 1/	January	December	January
			2000	2001		2000	2001	
Food and food products	10,7	98,9	83,2	93,1	87,8	95,8	100,7	101,3
Meat, fish, fruit etc.	2,8	111,7	105,9	120,2	108,4	112,2	120,9	115,0
Dairy products	1,4	89,4	84,9	95,8	87,9	84,1	87,6	87,2
Grain mill products	2,1	90,9	80,7	87,7	84,1	85,3	87,3	88,8
Other food products	4,4	97,3	69,3	77,5	76,3	94,0	98,2	102,7
Beverages	4,6	92,6	85,6	118,9	83,3	86,4	88,4	84,1
Total textiles	2,9	93,5	66,4	61,6	68,8	91,8	92,4	95,7
Textiles	1,7	84,6	63,2	48,6	59,7	83,9	75,8	79,7
Other textile products	1,2	106,2	70,9	79,9	81,8	102,9	116,1	118,5
Total wearing apparel	3,6	82,7	55,1	63,4	52,4	83,5	84,1	79,5
Knitted, crocheted articles	0,6	73,6	47,9	47,4	45,7	64,7	68,9	62,1
Wearing apparel	3,0	84,5	56,6	66,6	53,8	87,3	87,2	83,0
Tanning and dressing of leather	0,4	126,5	97,4	100,2	123,4	123,9	144,4	157,4
Footwear	0,9	65,6	42,5	45,1	42,6	68,5	65,2	67,9
Wood and products of wood	1,9	119,3	93,4	85,6	94,3	121,1	116,4	121,9
Sawmilling and planing of wood	0,8	104,8	81,1	71,9	84,9	108,2	98,5	113,4
Products of wood	1,2	128,8	101,5	94,6	100,4	129,6	128,1	127,5
Paper and paper products	5,3	105,3	97,9	103,2	109,0	101,5	109,1	113,0
Total publishing and printing	4,1	90,0	80,6	77,9	78,9	92,0	86,9	90,2
Publishing	1,5	97,8	99,7	97,0	99,0	105,8	98,8	104,7
Printing, recorded media	2,6	85,6	69,8	67,1	67,6	84,2	80,3	82,0
Coke and refined petroleum products	4,2	104,5	110,0	108,2	110,4	102,9	107,2	103,4
Basic chemicals	4,5	134,9	124,5	140,0	130,5	131,8	145,1	137,6
Other chemical products	6,2	101,8	85,4	87,0	90,0	101,3	104,9	106,9
Rubber products	1,4	98,7	67,5	68,4	84,7	91,4	103,3	114,8
Plastic products	3,1	89,5	67,5	76,5	74,5	85,3	100,8	94,2
Glass and glass products	1,0	88,5	63,9	80,3	77,6	77,2	88,2	93,6

Other non-metallic mineral products	3,5	90,0	76,4	71,6	84,7	89,9	97,2	99,3
Basic iron and steel products	7,6	116,3	109,3	98,1	109,8	115,9	115,3	116,2
Basic precious and non-ferrous metal products	3,2	163,4	135,5	176,2	140,5	149,3	169,9	156,2
Fabricated metal products	7,0	103,4	94,2	89,3	93,8	111,3	112,6	110,8
Structural metal products	2,4	90,5	87,3	84,8	84,9	105,3	100,7	101,9
Other fabricated metal product	4,6	110,0	97,8	91,6	98,4	114,3	118,7	115,3
Total machinery and equipment	5,8	99,4	73,1	97,8	86,7	89,2	113,8	104,9
General purpose machinery	2,5	110,6	82,5	101,3	91,7	104,2	126,9	115,4
Special purpose machinery	2,9	87,5	63,5	96,6	83,9	71,4	102,2	95,1
Household appliances	0,4	116,9	84,5	83,8	74,7	125,3	116,4	110,6
Electrical machinery, apparatus	3,4	102,3	85,1	93,2	86,8	101,3	119,6	102,6
Radio, television and communication apparatus	1,0	123,7	122,6	98,5	107,0	146,8	122,4	126,3
Professional equipment	0,5	80,9	71,1	69,0	70,9	82,5	85,4	81,5
Motor vehicles; trailers; parts and accessories	8,0	125,4	86,3	94,4	109,5	104,8	147,4	134,3
Motor vehicles	4,5	114,9	68,1	85,1	96,6	88,8	132,5	126,3
Bodies for motor vehicles; trailers and semi-trailers	0,5	63,3	43,7	46,0	49,0	56,7	63,0	63,7
Parts and accessories	3,0	152,4	121,5	117,1	140,0	137,7	185,2	159,2
Other transport equipment	1,0	115,0	120,6	113,5	122,3	117,3	125,9	118,8
Furniture	1,6	98,9	65,4	67,8	61,1	104,0	107,0	96,6
Other manufacturing divisions	2,6	110,4	76,3	73,6	77,2	103,0	104,5	106,0
Total	100,0	106,0	88,8	94,7	93,9	102,6	111,6	108,8

* 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	34 159 573 1/
F	24 414 317	26 328 500	29 866 793	29 901 544	30 607 558	35 169 179	
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	37 173 027	
J	26 204 689	28 261 416	30 575 542	31 723 893	33 126 289	38 780 413	
J	25 613 126	28 378 392	31 169 707	31 732 667	33 429 319	36 382 349	
A	27 064 919	29 568 761	31 400 042	30 810 619	33 740 922	39 055 292	
S	27 737 968	29 549 724	31 344 644	32 896 327	35 884 855	39 957 871	
O	29 294 559	33 070 022	35 902 602	34 970 472	37 425 965	41 679 403	
N	29 960 074	33 084 713	33 709 581	34 300 610	38 884 753	43 839 044	
D	23 877 458	26 338 721	28 128 922	29 016 347	33 021 543	37 291 464	

| Year | 308 790 007 339 096 803 368 283 280 373 568 657 398 565 837 448 703 751 |

Seasonally adjusted values									
J	23 528 459	26 427 175	30 549 660	31 138 381	31 594 199	34 135 816	40 571 885		
F	24 773 590	26 796 047	30 483 083	30 567 610	31 387 690	36 000 533			
M	25 272 515	26 854 438	28 680 270	30 951 666	31 606 039	36 532 239			
A	24 272 433	27 706 522	32 046 926	31 335 970	32 138 916	34 572 564			
M	26 137 241	28 443 168	30 712 731	30 397 114	32 839 756	37 259 606			
J	25 965 734	28 039 933	30 253 235	31 345 720	32 773 143	38 219 036			
J	25 514 890	28 334 446	31 090 757	31 691 925	33 383 023	36 351 208			
A	26 224 355	28 817 133	30 756 536	30 365 348	33 362 159	38 719 924			
S	26 514 361	28 309 660	30 079 321	31 587 403	34 518 313	38 341 188			
O	26 222 390	29 576 343	32 176 562	31 340 777	33 723 103	37 809 671			
N	26 880 646	29 774 781	30 394 937	30 919 828	35 085 644	39 749 557			
D	26 855 661	29 379 141	30 995 053	31 560 189	36 060 634	40 767 933			

* 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 values		
		January	December	January 1/	January	December	January
		2000	2000	2001	2000	2001	
Food and food products	59 272 045	4 359 164	5 169 193	4 661 910	4 731 100	5 061 659	5 053 557
Meat, fish, fruit etc.	17 548 765	1 253 936	1 582 012	1 261 212	1 427 386	1 531 923	1 437 063
Dairy products	7 219 584	516 242	635 506	584 447	545 185	582 848	618 838
Grain mill products	15 205 535	1 122 754	1 301 408	1 172 900	1 234 988	1 257 901	1 292 478
Other food products	19 298 161	1 466 232	1 650 267	1 643 351	1 523 541	1 688 987	1 705 178
Beverages	20 396 626	1 524 461	2 538 749	1 537 507	1 484 029	1 812 833	1 490 386
Total textiles	10 164 330	576 663	611 025	580 057	852 999	853 313	860 593
Textiles	6 440 583	379 846	350 594	367 830	546 485	522 124	530 143
Other textile products	3 723 747	196 817	260 431	212 227	306 514	331 189	330 450
Total wearing apparel	10 544 016	520 976	728 266	551 564	875 641	905 674	926 458
Knitted, crocheted articles	1 690 521	80 694	93 350	80 791	125 104	134 517	126 771
Wearing apparel	8 853 495	440 282	634 916	470 773	750 537	771 157	799 687
Tanning and dressing of leather	2 753 875	162 587	203 843	236 308	222 158	292 046	323 541
Footwear	2 271 432	100 918	127 737	94 881	188 771	178 839	176 921
Wood and products of wood	9 099 907	561 130	598 111	637 070	727 259	752 795	821 027
Sawmilling and planing of wood	2 589 363	151 841	165 075	178 561	208 069	206 505	243 859
Products of wood	6 510 544	409 289	433 036	458 509	519 190	546 290	577 168
Paper and paper products	23 434 546	1 624 006	2 030 166	1 927 026	1 841 099	2 141 393	2 195 924

Total publishing and printing	12 031 993	872 770	920 914	886 904	1 004 818	997 287	1 016 971
Publishing	4 674 838	385 904	401 048	423 433	405 811	412 439	443 300
Printing, recorded media	7 357 155	486 866	519 866	463 471	599 007	584 848	573 671
Coke and refined petroleum products	31 825 691	1 821 900	3 017 085	3 067 593	1 901 900	3 047 736	3 209 915
Basic chemicals	22 103 101	1 513 234	1 970 424	1 976 969	1 757 651	2 068 066	2 270 828
Other chemical products	26 509 769	1 740 609	2 120 187	1 923 554	2 086 833	2 324 929	2 296 991
Rubber products	4 645 737	263 519	262 878	294 126	366 860	326 874	410 322
Plastic products	10 669 187	659 800	797 662	783 817	839 130	985 950	996 156
Glass and glass products	2 280 493	134 291	187 555	158 712	175 416	211 489	209 321
Other non-metallic mineral products	10 306 550	696 424	725 108	852 034	844 393	970 554	1 034 218
Basic iron and steel products	33 048 899	2 293 351	2 563 745	2 398 734	2 658 432	2 825 574	2 789 571
Basic precious and non-ferrous metal products	15 542 665	921 600	1 636 355	1 097 453	1 134 612	1 503 360	1 375 433
Fabricated metal products	24 753 734	1 560 382	1 844 697	1 741 715	1 900 357	2 173 108	2 120 786
Structural metal products	7 818 495	432 900	639 478	474 401	595 480	598 950	659 922
Other fabricated metal product	16 935 239	1 127 482	1 205 219	1 267 314	1 304 877	1 574 158	1 460 864
Total machinery and equipment	19 672 368	1 111 935	1 860 469	1 570 571	1 414 343	2 030 190	1 935 185
General purpose machinery	9 013 107	545 541	824 318	646 556	710 974	887 673	843 221
Special purpose machinery	8 475 053	448 719	894 544	826 632	510 258	953 169	932 207
Household appliances	2 184 208	117 675	141 607	97 383	193 111	189 348	159 757
Electrical machinery, apparatus	13 206 995	841 251	1 095 031	968 701	1 068 539	1 332 214	1 218 451
Radio, television and communication apparatus	4 639 808	346 392	311 109	354 636	422 802	374 239	428 180
Professional equipment	1 388 382	88 284	111 410	60 998	108 785	138 176	75 095
Motor vehicles; trailers; parts and accessories	54 064 330	2 821 075	3 917 288	4 019 639	3 604 638	5 221 545	5 156 087
Motor vehicles	37 493 963	1 830 865	2 801 801	2 646 193	2 399 569	3 553 502	3 489 153
Bodies for motor vehicles; trailers and semi-trailers	1 670 773	94 239	100 778	116 061	141 194	129 085	173 425
Parts and accessories	14 899 594	895 971	1 014 709	1 257 385	1 063 875	1 538 958	1 493 509
Other transport equipment	3 247 076	214 760	296 142	198 216	299 870	344 227	272 789
Furniture	6 255 247	331 850	395 012	280 297	534 750	522 496	449 478
Other manufacturing divisions	14 574 949	960 294	1 251 303	1 298 581	1 088 631	1 371 367	1 457 701
Total	448 703 751	28 623 626	37 291 464	34 159 573	34 135 816	40 767 933	40 571 885

* Revised
1/ Preliminary

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

Selected manufacturing subgroups	Actual values			Seasonally adjusted values		
	January	December	January 1/	January	December	January
	2000	2001		2000	2001	
Spinning, weaving and finishing of textiles	214 792	165 731	197 892	221 518	183 814	203 935
Tents, tarpaulins, sails						

and other canvas goods and automotive textile goods	26 815	27 535	30 354	24 744	28 928	27 961
Other textile articles	55 247	52 145	59 302	61 610	64 174	66 087
Knitted and crocheted fabrics and articles	159 739	137 632	128 126	165 693	140 788	132 780
Wearing apparel	719 849	616 468	662 983	752 093	668 686	690 639
Sawmilling and preserving of timber	22 581	26 061	26 417	22 381	27 988	26 212
Veneer sheets, plywood, laminboard, etc.	26 846	23 253	21 750	28 956	26 500	23 616
Builders' carpentry and joinery	50 962	38 645	44 444	50 452	41 897	43 728
Pulp, paper and paperboard	274 561	462 944	441 472	329 751	483 715	533 649
Corrugated paper and paper- board and containers	446 378	396 620	375 732	444 661	379 064	373 118
Paints, varnishes and coatings	27 577	19 300	20 748	25 777	17 031	19 733
Basic iron and steel products	3 173 333	2 954 841	3 029 879	3 106 010	2 943 925	2 963 125
Steel pipe and tube mills	164 364	180 093	184 910	154 944	173 611	174 509
Basic precious and non- ferrous metal products	1 008 334	1 247 565	1 349 830	1 076 419	1 339 019	1 439 688
Metal structures, parts	1 093 377	1 068 490	1 270 963	1 131 698	1 101 838	1 316 327
Cutlery, hand tools and general hardware	31 097	26 680	30 808	32 222	30 716	31 862
Metal containers, e.g. cans and tins	73 098	83 449	75 165	67 204	80 967	68 871
Cables, wire products, springs	54 236	47 579	56 365	60 019	58 480	61 948
Metal fasteners	64 538	47 830	56 591	56 520	49 192	49 225
All other metal products	452 081	653 683	610 240	503 115	697 525	679 718
Domestic appliances	39 498	39 097	39 338	40 246	39 435	40 184
Electric motors, generators and transformers	430 391	415 850	379 353	453 130	443 216	400 164
Insulated wire and cables	206 085	288 563	300 729	197 560	347 891	286 944
Accumulators, primary cells and primary batteries	12 650	13 898	12 820	12 862	14 381	13 197
Television, radio and communication apparatus	713 688	903 402	857 333	751 944	966 842	901 069
Motor vehicles	1 929 790	2 262 133	2 266 840	1 977 803	2 480 495	2 307 271
Parts and accessories for motor vehicles	277 432	352 854	317 963	283 871	361 621	326 379
Furniture	209 853	208 750	244 079	239 303	257 744	279 452

* Revised

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