

P3041.2

Manufacturing: production and sales

May 2001

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Key figures as at the end of May 2001

Actual estimates	May 2001	% change between May 2000 and May 2001	% change between March 2000 to May 2000 and March 2001 to May 2001	% change between January 2000 to May 2000 and January 2001 to May 2001
Physical volume of manufacturing production index (1995=100)	108,3	+1,7	+3,7	+4,0
Total value of sales of manufactured products (R million)	41 128,7	+11,0	+12,4	+13,5

Seasonally adjusted estimates	May 2001	% change between April 2001 and May 2001	% change between December 2000 to February 2001 and March 2001 to May 2001
Physical volume of manufacturing production index (1995=100)	107,4	+0,5	-1,2
Total value of sales of manufactured products (R million)	41 053,5	+2,4	+0,2

Key findings as at the end of May 2001

MANUFACTURING PRODUCTION DECREASES

Manufacturing production for the three months ended May 2001 reflected a decrease of 1,2% after seasonal adjustment compared with the previous three months. Lower production was reported by 20 of the 27 manufacturing divisions. However, the total manufacturing production for May 2001 after seasonal adjustment increased by 0,5% compared with April 2001. Furthermore, the total manufacturing production for the first five months of 2001 increased by 4,0% compared with the first five months of 2000.

The major contributor to the decrease of 1,2% after seasonal adjustment in the total manufacturing production was the basic iron and steel products division (-0,5 of a percentage point), followed by fabricated metal products (-0,3 of a percentage point), motor vehicles; trailers; parts and accessories (-0,3 of a percentage point), other non-metallic mineral products (-0,2 of a percentage point) and machinery and equipment (-0,2 of a percentage point) divisions. However, these decreases were partially counteracted by increases in production reported by the food and food products (+0,5 of a percentage point) and basic precious and non-ferrous metal products (+0,4 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 May 2001 reflected an increase of 0,2% (+R301 million) after seasonal adjustment compared with the previous three months. Higher manufacturing sales were reported by 14 of the 27 manufacturing divisions during this period. Furthermore, the actual total value of sales of manufactured products at current prices for the three months ended May 2001 reflected an increase of 12,4% (+R13 394 million) compared with three months ended May 2000. Higher manufacturing sales were reported by 24 of the 27 manufacturing divisions during the latter period.

The increase of 0,2% after seasonal adjustment in the total value of sales of manufactured products at current prices for the three months ended May 2001 compared with the previous three months was mainly due to large increases reported by the basic precious and non-ferrous metal products (+6,3% or +R266 million), food and food products (+4,3% or +R692 million) and coke and refined petroleum products (+2,6% or +R243 million) divisions.

The major contributors to the increase of 12,4% in the actual value of sales of manufactured products at current prices for the three months ended May 2001 compared with the three months ended May 2000 were the motor vehicles; trailers; parts and accessories (+2,8 percentage points or +R3 030 million), coke and refined petroleum products (+2,0 percentage points or +R2 114 million), food and food products (+16 percentage points or R1 758 million), basic precious and non-ferrous metal products (+0,8 of a percentage point or +R811 million) and basic chemicals (+0,7 of a percentage point or +R783 million) divisions.

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Notes

Forthcoming issues	Issue	Expected release date
	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 May 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 This survey covers manufacturing establishments conducting activities regarding -
 - the manufacturing, processing, making or packing of products;
 - the slaughtering of animals, including poultry; and
 - installation, assembly, completion, repair and related work.

Classification

- 5 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).

Statistical unit

- 6 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).

- Survey methodology and design**
- 7 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.
- 8 The survey is collected by mail each month from a sample of approximately 2 500 manufacturing establishments.
- 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 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 1999. • Bulletin of Statistics. • SA Statistics. • P0441 - Gross Domestic Product

- 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.
- re-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

Stats SA	Statistics South Africa
TBVC states	Relates to the former Transkei, Bophuthatswana, Venda and Ciskei states
SIC	Standard Industrial Classification of all Economic Activities
ISIC	International Standard Classification of all Economic Activities
SNA	System of National Accounts
PPI	Production Price Index
GDP	Gross Domestic Product
1/	Preliminary figures
*	Revised figures

Technical notes

Response rates The response rate for the survey on manufacturing production and sales for May 2001 is 75,6%.The response rates by manufacturing major division are tabulated in table B.

Table B - Response rates for May 2001

Manufacturing major divisions	% response
Food and food products	77,8
Beverages	88,2
Textile	85,3
Total wearing apparel	85,5
Tanning and dressing of leather	70,0
Footwear	72,7
Wood and products of wood	69,1
Paper and paper products	75,0
Total publishing and printing	74,2
Coke and refined petroleum products	70,0
Basic chemicals	87,3
Other chemical products	82,3
Rubber products	82,6
Plastic products	70,8
Glass and glass products	78,6
Other non-metallic mineral products	64,4
Basic iron and steel products	71,4
Basic precious and non-ferrous metal products	70,8
Fabricated metal products	73,8
Total machinery and equipment	70,4
Electrical machinery, apparatus	61,6
Radio, television and communication apparatus	70,8
Professional equipment	58,6
Motor vehicles; trailers; parts and accessories	80,3
Other transport equipment	78,9
Furniture	70,8
Other manufacturing industries	81,4
Total	75,6

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	Output is the aggregate value of goods manufactured and work done. Output includes - <ul style="list-style-type: none">• sales and transfers-out of own manufactures, factory waste and stocks of factored goods;• repairs;• installation, erection and assembly;• sundry trading revenue;• sales of factored goods minus purchases of factored goods;• rent and leasing received;• royalties received;• difference between opening value and closing value of work in progress, stocks of own manufactures and stocks of factored goods;• head office charges; and• other revenue.

Output excludes excise and customs duty paid.

Value added

Value added is the value of output less intermediate consumption. It represents the value added to the cost of the materials used in the process of production.

Sales

Sales are the total value of sales and transfers-out of all own manufactured products/articles and the amounts received for installation, erection or assembly or other services rendered.

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.

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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 March 2001 to May 2001	Quarterly percentage change (March 2001 to May 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	108,1	+4,6	+0,5
Beverages	4,6	94,6	+4,8	+0,2
Total textiles	2,9	95,9	+2,5	+0,1
Total wearing apparel	3,6	77,7	-2,0	-0,1
Tanning and dressing of leather	0,4	125,6	-9,1	-0,0
Footwear	0,9	54,9	-12,0	-0,1
Wood and products of wood	1,9	119,0	-0,5	-0,0
Paper and paper products	5,3	105,8	-2,7	-0,1
Total publishing and printing	4,1	83,0	-3,4	-0,1
Coke and refined petroleum products	4,2	103,3	-2,2	-0,1
Basic chemicals	4,5	139,6	-0,7	-0,0
Other chemical products	6,2	102,7	-1,3	-0,1
Rubber products	1,4	99,6	-5,7	-0,1
Plastic products	3,1	98,7	+1,9	+0,1
Glass and glass products	1,0	98,5	+3,7	+0,0
Other non-metallic mineral products	3,5	87,1	-5,0	-0,2
Basic iron and steel products	7,6	107,3	-6,5	-0,5
Basic precious and non-ferrous metal products	3,2	177,7	+11,0	+0,4
Fabricated metal products	7,0	103,4	-4,1	-0,3
Total machinery and equipment	5,8	106,1	-3,5	-0,2
Electrical machinery, apparatus	3,4	105,8	-1,9	-0,1
Radio, television and communication apparatus	1,0	108,1	-11,6	-0,1
Professional equipment	0,5	89,1	-0,8	-0,0
Motor vehicles; trailers; parts and accessories	8,0	135,7	-4,2	-0,3
Other transport equipment	1,0	113,1	-5,9	-0,1
Furniture	1,6	96,3	-1,9	-0,0
Other manufacturing divisions	2,6	110,3	+1,1	+0,0
Total	100,0	108,0	-1,2	-1,2

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	80,4	83,6	89,8	89,6	86,7	88,8	94,7
F	97,4	96,7	103,1	101,1	98,0	103,2	105,8
M	104,0	102,6	102,5	102,7	101,4	109,0	111,8
A	91,3	96,4	105,5	96,3	94,8	93,2	99,9
M	101,0	104,1	106,2	101,1	101,1	106,5	108,3 1/
J	102,1	102,9	104,9	104,5	100,5	110,4	
J	101,6	104,7	108,2	104,4	104,3	107,2	
A	105,6	107,8	105,8	99,9	103,5	108,5	
S	106,8	105,2	108,2	106,8	107,0	112,4	
O	112,6	115,8	119,1	111,7	112,9	117,0	
N	110,9	114,4	111,7	109,8	115,5	120,7	
D	86,2	83,7	86,9	85,3	90,5	94,7	
Year	100,0	101,5	104,3	101,1	101,4	106,0	
Seasonally adjusted indices							
J	96,1	99,0	105,5	104,7	100,5	102,2	108,9
F	99,1	98,7	105,2	102,9	99,8	105,0	107,6
M	99,9	99,5	100,3	100,9	99,6	106,9	109,8
A	97,4	102,1	111,2	101,7	100,3	99,3	106,9
M	101,1	104,0	105,4	100,2	100,2	105,5	107,4
J	101,0	101,5	103,3	102,8	99,0	108,5	
J	99,8	102,4	105,6	101,6	101,6	104,2	
A	102,4	104,6	103,0	97,7	101,5	106,5	
S	101,6	100,2	103,1	101,9	102,2	107,2	
O	101,4	103,3	106,3	100,2	101,5	105,5	
N	100,0	103,0	100,9	99,3	104,6	109,4	
D	99,3	98,8	102,3	100,3	106,8	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	Actual indices			Seasonally adjusted indices			
			2000	May	April	May 1/	May	April	May
				2000	2001		2000	2001	
Food and food products	10,7	99,2	100,2	105,3	104,2	97,6	112,3	101,7	
Meat, fish, fruit etc.	2,8	111,7	117,1	121,3	115,4	116,3	120,9	114,6	
Dairy products	1,4	89,4	79,0	82,0	84,0	86,0	93,2	91,7	
Grain mill products	2,1	91,3	99,4	90,1	102,2	96,6	94,9	99,2	
Other food products	4,4	98,0	96,3	109,4	104,2	89,6	121,1	97,6	
Beverages	4,6	92,6	83,2	84,7	82,7	90,7	97,6	90,7	
Total textiles	2,9	93,5	99,7	87,8	102,2	94,7	93,8	97,2	
Textiles	1,7	84,6	88,4	83,0	95,7	84,5	85,6	91,6	
Other textile products	1,2	106,2	115,6	94,5	111,4	109,1	105,3	105,2	
Total wearing apparel	3,6	82,8	83,5	73,1	77,2	86,0	77,2	78,8	
Knitted, crocheted articles	0,6	73,9	88,1	70,9	94,9	77,8	73,4	83,7	
Wearing apparel	3,0	84,5	82,6	73,6	73,7	87,7	78,0	77,8	
Tanning and dressing of leather	0,4	125,2	158,9	126,1	122,5	152,7	124,7	117,8	
Footwear	0,9	65,6	64,1	50,3	52,6	66,6	54,4	54,6	
Wood and products of wood	1,9	119,3	123,4	111,0	123,4	122,8	117,6	122,6	
Sawmilling and planing of wood	0,8	104,8	105,5	108,3	105,0	109,6	112,6	109,2	
Products of wood	1,2	128,8	135,2	112,8	135,5	131,4	120,9	131,3	
Paper and paper products	5,3	105,3	113,3	96,5	106,8	111,8	106,5	104,7	
Total publishing and printing	4,1	87,8	85,5	76,9	82,8	86,0	82,6	83,4	
Publishing	1,5	97,8	94,1	86,1	87,9	97,4	89,5	91,2	
Printing, recorded media	2,6	82,3	80,6	71,8	80,0	79,6	78,7	79,0	
Coke and refined petroleum products	4,2	104,5	101,7	110,5	91,4	102,8	107,7	93,0	
Basic chemicals	4,5	134,9	135,4	126,2	136,7	143,1	138,6	144,5	
Other chemical products	6,2	101,8	96,9	93,5	101,6	99,6	98,0	104,5	
Rubber products	1,4	98,7	114,0	73,8	116,9	108,7	75,6	110,8	
Plastic products	3,1	89,7	84,8	90,8	98,0	87,6	98,5	101,4	
Glass and glass products	1,0	88,5	74,7	96,8	89,6	82,5	100,5	99,5	
Other non-metallic mineral products	3,5	90,0	89,9	81,8	92,0	88,4	87,6	90,5	
Basic iron and steel products	7,6	116,3	125,6	103,3	111,5	117,4	104,2	104,5	
Basic precious and non-ferrous metal products	3,2	163,4	165,3	156,6	183,9	163,8	175,0	182,6	
Fabricated metal products	7,0	103,4	104,4	95,4	108,9	101,9	100,4	105,9	
Structural metal products	2,4	90,5	95,7	84,5	95,1	92,4	92,8	91,4	
Other fabricated metal product	4,6	110,0	108,9	101,0	116,0	106,8	104,4	113,4	
Total machinery and equipment	5,8	99,6	97,8	95,0	103,0	96,1	105,1	100,8	
General purpose machinery	2,5	110,6	101,4	113,8	113,6	96,8	113,7	108,8	
Special purpose machinery	2,9	87,8	92,9	78,2	92,5	93,7	96,8	92,2	
Household appliances	0,4	116,9	110,6	98,5	113,3	108,7	112,0	112,5	
Electrical machinery, apparatus	3,4	102,1	102,0	97,7	105,9	102,7	104,4	107,8	
Radio, television and communication apparatus	1,0	123,7	110,8	106,7	98,6	110,3	117,4	99,6	
Professional equipment	0,5	80,9	81,5	86,3	91,2	80,4	90,0	90,1	
Motor vehicles; trailers; parts and accessories	8,0	125,4	125,3	122,9	142,3	119,5	129,9	136,5	
Motor vehicles	4,5	114,9	116,0	110,5	128,5	109,7	119,4	122,8	
Bodies for motor vehicles; trailers and semi-trailers	0,5	63,3	75,9	71,0	78,2	74,6	71,2	76,5	
Parts and accessories	3,0	152,4	148,4	151,0	174,8	142,5	156,3	168,0	
Other transport equipment	1,0	115,0	124,7	119,1	117,2	115,2	113,1	108,4	
Furniture	1,6	98,9	94,3	78,1	99,7	95,2	88,6	100,1	
Other manufacturing divisions	2,6	111,5	109,4	88,2	112,7	107,5	108,0	110,8	
Total	100,0	106,0	106,5	99,9	108,3	105,5	106,9	107,4	

* Revised
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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	28 589 385	34 219 887*
F	24 414 317	26 328 500	29 866 793	29 901 544	30 607 558	35 164 838	39 263 579*
M	26 712 878	28 188 286	29 866 272	32 190 538	32 788 344	38 016 107	42 641 815*
A	22 897 368	26 231 967	30 438 604	29 758 879	30 508 382	32 678 871	37 377 574
M	25 806 431	28 293 052	30 626 091	30 352 835	32 737 449	37 058 722	41 128 673 1/
J	26 204 689	28 261 416	30 575 542	31 723 893	33 126 289	38 670 000	
J	25 613 126	28 378 392	31 169 707	31 732 667	33 429 319	36 236 782	
A	27 064 919	29 568 761	31 400 042	30 810 619	33 740 922	38 956 632	
S	27 737 968	29 549 724	31 344 644	32 896 327	35 884 855	39 908 826	
O	29 294 559	33 070 022	35 902 602	34 970 472	37 448 797	41 811 309	
N	29 960 074	33 084 713	33 709 581	34 300 610	38 909 651	43 949 795	
D	23 877 458	26 338 721	28 128 922	29 016 347	33 048 575	37 306 934	
Year	308 790 007	339 096 803	368 283 280	373 568 657	398 640 599	448 348 201	
Seasonally adjusted values							
J	23 517 037	26 403 719	30 511 752	31 081 564	31 531 730	33 999 623	40 402 067
F	24 782 565	26 817 829	30 530 744	30 678 847	31 517 433	36 213 740	40 566 588
M	25 277 335	26 866 988	28 695 826	30 948 770	31 514 556	36 353 802	40 760 789
A	24 285 240	27 734 919	32 119 990	31 525 992	32 406 381	34 885 194	40 077 540
M	26 136 226	28 435 706	30 691 455	30 374 049	32 739 710	36 972 947	41 053 538
J	25 967 120	28 039 001	30 250 039	31 328 558	32 771 025	38 095 687	
J	25 519 231	28 343 210	31 103 918	31 702 659	33 422 571	36 228 116	
A	26 222 095	28 812 690	30 736 885	30 322 906	33 318 681	38 529 833	
S	26 504 585	28 297 384	30 060 726	31 567 595	34 495 352	38 255 835	
O	26 218 256	29 568 813	32 154 061	31 308 633	33 692 292	37 869 999	
N	26 874 599	29 761 720	30 362 265	30 892 195	35 077 739	39 815 158	
D	26 849 489	29 358 151	30 958 714	31 536 827	36 049 047	40 621 825	

* 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		
		May	April	May 1/	May	April	May
		2000	2001		2000	2001	
Food and food products	59 836 880	5 059 125	5 390 132	5 642 194	5 023 289	5 522 820	5 589 041
Meat, fish, fruit etc.	17 696 951	1 534 865	1 553 497	1 686 120	1 482 174	1 559 972	1 625 014
Dairy products	7 246 522	563 120	584 518	635 112	589 165	651 985	662 771
Grain mill products	15 373 318	1 398 636	1 348 236	1 495 942	1 351 234	1 405 886	1 442 728
Other food products	19 520 089	1 562 504	1 903 881	1 825 020	1 600 716	1 904 977	1 858 528
Beverages	20 378 659	1 426 407	1 722 333	1 615 465	1 617 324	1 979 426	1 842 773
Total textiles	10 164 459	911 069	831 213	939 206	850 601	860 583	875 578
Textiles	6 440 583	570 866	543 505	606 546	533 252	556 722	566 800
Other textile products	3 723 876	340 203	287 708	332 660	317 349	303 861	308 778
Total wearing apparel	10 523 645	849 548	873 771	854 248	898 933	867 766	899 015
Knitted, crocheted articles	1 693 563	161 447	145 900	175 258	142 820	140 378	155 313
Wearing apparel	8 830 082	688 101	727 871	678 990	756 113	727 388	743 702
Tanning and dressing of leather	2 666 786	260 541	237 517	263 845	229 769	233 847	232 182
Footwear	2 238 178	197 307	150 300	163 937	198 998	162 366	164 103
Wood and products of wood	9 073 197	812 686	775 074	841 979	798 639	819 973	827 019
Sawmilling and planing of wood	2 589 363	217 923	225 388	233 626	217 319	252 560	232 783
Products of wood	6 483 834	594 763	549 686	608 353	581 320	567 413	594 236
Paper and paper products	23 434 546	1 982 298	1 830 228	2 120 233	1 930 627	2 037 964	2 044 333
Total publishing and printing	11 678 548	923 180	902 941	984 785	934 357	955 600	995 804
Publishing	4 668 251	375 618	363 932	378 785	386 543	377 737	390 145
Printing, recorded media	7 010 297	547 562	539 009	606 000	547 814	577 863	605 659
Coke and refined petroleum products	31 823 682	2 398 796	3 030 687	3 066 453	2 511 532	3 186 954	3 218 150
Basic chemicals	21 571 212	1 668 128	1 851 208	2 043 752	1 745 470	2 003 711	2 139 017
Other chemical products	26 327 958	2 110 409	2 163 421	2 250 631	2 185 670	2 276 803	2 335 357
Rubber products	4 645 737	416 300	359 582	451 806	403 604	363 975	434 917
Plastic products	10 669 187	866 866	918 442	1 039 826	876 693	990 130	1 051 603
Glass and glass products	2 280 493	165 856	208 113	202 205	183 888	229 841	224 115
Other non-metallic mineral products	10 249 683	883 786	842 849	945 643	869 315	901 007	930 030
Basic iron and steel products	33 529 317	3 095 543	2 680 685	3 057 247	2 888 476	2 787 516	2 851 447
Basic precious and non-ferrous metal products	15 542 665	1 297 933	1 313 080	1 512 409	1 252 103	1 475 681	1 465 021
Fabricated metal products	24 753 734	2 211 688	1 923 974	2 184 917	2 235 151	2 064 210	2 206 567
Structural metal products	7 818 495	868 520	622 294	680 366	887 012	634 125	694 071
Other fabricated metal product	16 935 239	1 343 168	1 301 680	1 504 551	1 348 139	1 430 085	1 512 496
Total machinery and equipment	19 664 968	1 528 613	1 472 388	1 761 111	1 551 599	1 702 327	1 778 879
General purpose machinery	8 821 849	696 151	695 232	810 055	676 737	785 448	782 986
Special purpose machinery	8 658 911	662 755	624 399	769 715	708 560	741 272	816 019
Household appliances	2 184 208	169 707	152 757	181 341	166 302	175 607	179 874
Electrical machinery, apparatus	13 219 217	1 072 555	1 127 627	1 228 491	1 049 314	1 189 601	1 210 415
Radio, television and communication apparatus	4 639 808	382 716	286 202	286 473	395 812	334 207	297 070
Professional equipment	1 388 382	111 475	123 406	143 651	109 534	130 738	141 244
Motor vehicles; trailers; parts and accessories	54 020 716	4 505 299	4 505 855	5 354 608	4 281 350	4 850 808	5 099 819
Motor vehicles	37 493 963	3 166 813	3 023 607	3 670 581	3 002 464	3 311 865	3 486 681
Bodies for motor vehicles; trailers and semi-trailers	1 670 903	161 425	119 418	173 502	149 677	116 761	161 151
Parts and accessories	14 855 850	1 177 061	1 362 830	1 510 525	1 129 209	1 422 182	1 451 987
Other transport equipment	3 247 376	221 564	171 001	250 964	256 338	242 438	294 822
Furniture	6 253 537	505 368	432 315	535 840	502 319	479 655	530 805
Other manufacturing divisions	14 525 631	1 193 666	1 253 230	1 386 754	1 192 242	1 427 593	1 374 412
Total	448 348 201	37 058 722	37 377 574	41 128 673	36 972 947	40 077 540	41 053 538

* Revised

1/ Preliminary

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

Selected manufacturing subgroups	Actual values			Seasonally adjusted values		
	May	April	May 1/	May	April	May
	2000	2001		2000	2001	
Spinning, weaving and finishing of textiles	215 447	214 898	224 693	212 719	210 614	221 473
Tents, tarpaulins, sails and other canvas goods and automotive textile goods	28 389	27 074	26 820	28 503	27 691	26 931
Other textile articles	61 045	58 981	51 467	62 994	56 005	53 503
Knitted and crocheted fabrics and articles	132 166	96 788	99 938	132 076	99 068	99 617
Wearing apparel	756 958	667 755	630 752	760 266	671 103	636 980
Sawmilling and preserving of timber	23 866	18 301	18 283	24 332	18 199	18 763
Veneer sheets, plywood, laminboard, etc.	20 570	24 972	27 379	19 079	23 631	25 189
Builders' carpentry and joinery	41 132	31 853	31 083	44 081	35 419	33 515
Pulp, paper and paperboard	416 407	478 864	518 716	417 322	510 199	514 610
Corrugated paper and paperboard and containers	330 503	379 159	395 883	351 318	398 976	423 812
Paints, varnishes and coatings	20 872	27 403	26 610	28 501	39 578	36 188
Basic iron and steel products	3 174 410	2 918 321	3 083 377	3 234 608	2 908 522	3 152 136
Steel pipe and tube mills	175 397	188 706	211 507	177 370	196 219	213 693
Basic precious and non-ferrous metal products	1 178 871	1 723 079	1 787 199	1 140 257	1 705 622	1 723 096
Metal structures, parts	1 256 465	1 319 875	1 430 163	1 181 117	1 307 786	1 342 694
Cutlery, hand tools and general hardware	30 311	24 835	20 326	33 293	24 556	22 425
Metal containers, e.g. cans and tins	77 977	89 359	84 771	82 033	90 202	88 631
Cables, wire products, springs	56 171	65 821	70 998	54 640	66 857	69 795
Metal fasteners	53 559	56 730	72 108	52 454	58 314	70 909
All other metal products	511 340	596 720	592 015	519 715	608 561	601 438
Domestic appliances	35 717	23 458	30 578	34 645	23 601	29 766
Electric motors, generators and transformers	483 997	358 668	366 254	482 566	368 798	366 605
Insulated wire and cables	206 557	399 597	453 621	209 507	372 705	461 969
Accumulators, primary cells and primary batteries	13 616	16 285	11 602	13 109	15 257	11 144
Television, radio and communication apparatus	1 104 677	2 075 747	2 021 731	1 055 003	1 945 017	1 928 968
Motor vehicles	2 249 649	2 183 930	2 234 640	2 070 110	2 019 372	2 071 426
Parts and accessories for motor vehicles	309 388	349 720	368 904	288 208	342 783	343 821
Furniture	208 708	220 998	244 339	241 740	251 461	280 223

* Revised