

Manufacturing: production and sales

July 2001

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Key figures as at the end of July 2001

Actual estimates	July 2001	% change between July 2000 and July 2001	% change between May 2000 to July 2000 and May 2001 to July 2001	% change between January 2000 to July 2000 and January 2001 to July 2001
Physical volume of manufacturing production index (1995=100)	108,3	+1,0	+1,8	+3,4
Total value of sales of manufactured products (R million)	40 766,3	+12,5	+11,2	+12,8

Seasonally adjusted estimates	July 2001	% change between June 2001 and July 2001	% change between February 2001 to April 2001 and May 2001 to July 2001
Physical volume of manufacturing production index (1995=100)	106,2	-3,8	-0,2
Total value of sales of manufactured products (R million)	41 257,0	-0,8	+2,2

Key findings as at the end of July 2001

MANUFACTURING PRODUCTION DECREASES SLIGHTLY

Manufacturing production for the three months ended July 2001 reflected a slight decrease of 0,2% after seasonal adjustment compared with the previous three months. Lower production was reported by 15 of the 27 manufacturing divisions.

The major contributor to the decrease of 0,2% after seasonal adjustment in the total manufacturing production was the food and food products division (contributing -0,6 of a percentage point to total manufacturing production), followed by the coke and refined petroleum products (-0,4 of a percentage point) and basic iron and steel products (-0,2 of a percentage point) divisions. However, these decreases were partially counteracted by large increases reported by the fabricated metal products division (contributing +0,4 of a percentage point to the total manufacturing production), followed by the basic chemicals (+0,3 of a percentage point), 'other' non-metallic mineral products (+0,3 of a percentage point) and motor vehicles, trailers, parts and accessories (+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 July 2001 reflected an increase of 2,2% (+R2 698 million) after seasonal adjustment compared with the previous three months. Higher manufacturing sales were reported by 20 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 July 2001 reflected an increase of 11,2% (+R12 541 million) compared with three months ended July 2000. Higher manufacturing sales were reported by 23 of the 27 manufacturing divisions during the latter period.

The increase of 2,2% after seasonal adjustment in the total value of sales of manufactured products at current prices for the three months ended July 2001 compared with the previous three months was mainly due to large increases reported by the basic chemicals (+8,1% or +R477 million), total machinery and equipment (+6,9% or +R353 million), fabricated metal products (+5,8% or +R365 million) and motor vehicles, trailers, parts and accessories (+5,2% or +R798 million) divisions.

The major contributors to the increase of 11,2% in the actual value of sales of manufactured products at current prices for the three months ended July 2001 compared with the three months ended July 2000 were the motor vehicles, trailers, parts and accessories (+2,8 percentage points or +R3 172 million), coke and refined petroleum products (+1,6 percentage points or +R1 754 million), food and food products (+1,2 percentage points or R1 323 million), basic chemicals (+0,9 of a percentage point or +R1 021 million), total machinery and equipment (+0,7 of a percentage point or +R731 million) and other chemical products (+0,6 of a percentage point or +R699 million) divisions.

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Notes

Forthcoming issues	Issue	Expected release date
	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 (July) 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	<p>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.</p>
Rounding-off of figures	20	<p>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.</p>
Pre-release policy	21	<p>Stats SA has adopted the confidential pre-release policy in respect of selected economic indicators and specific government departments. The policy accords with</p>

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: 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.

22 Stats SA's pre-release policy may be inspected at its Website, www.statssa.gov.za.

Symbols and abbreviations

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

Technical notes

Response rates The response rate for the survey on manufacturing production and sales for July 2001 is 81,9%. The response rates by manufacturing major division are tabulated in table B.

Table B - Response rates for July 2001

Manufacturing major divisions	Sample No. of establishments	% response
Food and food products	324	84,3
Beverages	67	83,6
Textile	114	89,5
Total wearing apparel	141	88,7
Tanning and dressing of leather	27	81,5
Footwear	22	81,8
Wood and products of wood	123	77,2
Paper and paper products	94	85,1
Total publishing and printing	89	79,8
Coke and refined petroleum products	30	80,0
Basic chemicals	78	85,9
Other chemical products	113	85,0
Rubber products	23	82,6
Plastic products	88	83,0
Glass and glass products	14	85,7
Other non-metallic mineral products	145	80,7
Basic iron and steel products	42	83,3
Basic precious and non-ferrous metal products	24	83,3
Fabricated metal products	239	77,0
Total machinery and equipment	191	77,5
Electrical machinery, apparatus	81	79,0
Radio, television and communication apparatus	24	75,0
Professional equipment	27	81,5
Motor vehicles; trailers; parts and accessories	127	84,3
Other transport equipment	38	81,6
Furniture	72	81,9
Other manufacturing industries	86	74,4
Total	2443	81,9

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 May 2001 to July 2001	Quarterly percentage change (May 2001 to July 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	102,6	-5,8	-0,6
Beverages	4,6	95,0	-1,5	-0,1
Total textiles	2,9	95,0	+0,2	+0,0
Total wearing apparel	3,6	79,6	+4,1	+0,2
Tanning and dressing of leather	0,4	122,0	-4,8	-0,0
Footwear	0,9	55,0	+0,2	+0,0
Wood and products of wood	1,9	119,6	+1,0	+0,0
Paper and paper products	5,3	103,5	-2,3	-0,1
Total publishing and printing	4,1	83,1	-1,0	-0,0
Coke and refined petroleum products	4,2	96,5	-9,8	-0,4
Basic chemicals	4,5	148,2	+7,5	+0,3
Other chemical products	6,2	102,7	-1,2	-0,1
Rubber products	1,4	103,5	+8,0	+0,1
Plastic products	3,1	94,9	-2,4	-0,1
Glass and glass products	1,0	99,0	+1,4	+0,0
Other non-metallic mineral products	3,5	92,7	+7,7	+0,3
Basic iron and steel products	7,6	107,7	-2,4	-0,2
Basic precious and non-ferrous metal products	3,2	169,5	+1,7	+0,1
Fabricated metal products	7,0	109,8	+6,1	+0,4
Total machinery and equipment	5,8	105,9	-2,2	-0,1
Electrical machinery, apparatus	3,4	103,9	-1,0	-0,0
Radio, television and communication apparatus	1,0	101,5	-11,2	-0,1
Professional equipment	0,5	82,1	-8,5	-0,1
Motor vehicles; trailers; parts and accessories	8,0	140,5	+3,4	+0,3
Other transport equipment	1,0	112,1	-3,4	-0,1
Furniture	1,6	99,5	+4,8	+0,1
Other manufacturing divisions	2,6	112,1	-0,2	-0,0
Total	100,0	108,1	-0,2	-0,2

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	100,7*
M	101,0	104,1	106,2	101,1	101,1	106,5	108,4*
J	102,1	102,9	104,9	104,5	100,5	110,4	113,3
J	101,6	104,7	108,2	104,4	104,3	107,2	108,3 1/
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	
Seasonally adjusted indices							
J	96,1	99,0	105,5	104,7	100,6	102,2	109,0
F	99,1	98,6	105,1	102,9	99,8	104,9	107,6
M	99,9	99,5	100,3	100,9	99,6	106,9	109,8
A	97,5	102,1	111,2	101,7	100,2	99,2	107,5
M	101,1	103,9	105,4	100,2	100,4	105,7	107,7
J	100,9	101,6	103,3	102,7	98,5	107,7	110,4
J	99,8	102,5	105,7	102,0	102,1	104,9	106,2
A	102,4	104,5	103,0	97,6	101,6	106,6	
S	101,6	100,2	103,1	101,8	102,2	107,2	
O	101,4	103,3	106,2	100,1	101,5	105,4	
N	100,0	103,1	100,9	99,2	104,5	109,3	
D	99,3	98,8	102,3	100,4	107,0	111,8	
Year	100,0	101,5	104,3	101,1	101,4	106,0	

* 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		
			July	June	July 1/	July	June	July
			2000		2001	2000		2001
Food and food products	10,7	99,2	104,8	111,8	102,0	100,1	107,3	98,4
Meat, fish, fruit etc.	2,8	111,7	100,2	122,5	109,3	109,9	130,8	120,0
Dairy products	1,4	89,4	84,8	87,6	86,7	89,3	94,9	91,1
Grain mill products	2,1	91,3	92,1	101,5	99,4	88,4	99,9	95,6
Other food products	4,4	98,0	120,0	117,2	103,2	102,7	99,6	88,0
Beverages	4,6	92,6	84,0	93,4	78,7	96,7	103,8	90,6
Total textiles	2,9	93,5	101,1	103,9	97,7	94,0	97,9	90,9
Textiles	1,7	84,6	90,8	93,8	92,7	83,8	88,6	85,6
Other textile products	1,2	106,2	115,6	118,3	104,7	108,4	111,1	98,4
Total wearing apparel	3,6	82,8	82,2	77,9	73,7	80,7	86,3	72,7
Knitted, crocheted articles	0,6	73,9	73,0	90,8	77,1	71,0	86,5	75,3
Wearing apparel	3,0	84,5	84,0	75,3	73,0	82,7	86,2	72,1
Tanning and dressing of leather	0,4	125,2	121,0	130,4	115,3	126,3	127,9	120,3
Footwear	0,9	65,6	65,5	55,0	53,5	65,2	55,2	53,6
Wood and products of wood	1,9	119,3	123,7	123,3	122,6	118,1	120,5	117,8
Sawmilling and planing of wood	0,8	104,8	112,3	109,3	108,0	106,0	108,0	102,4
Products of wood	1,2	128,8	131,1	132,5	132,2	126,1	128,7	128,0
Paper and paper products	5,3	105,3	108,4	107,7	100,2	109,2	104,3	101,0
Total publishing and printing	4,1	87,8	78,5	82,5	82,0	77,8	84,3	81,5
Publishing	1,5	97,8	85,0	97,4	90,2	88,2	97,1	94,0
Printing, recorded media	2,6	82,3	74,9	74,2	77,4	71,9	77,1	74,5
Coke and refined petroleum products	4,2	104,5	105,7	92,4	102,8	106,4	93,0	103,5
Basic chemicals	4,5	134,9	130,2	142,9	142,8	137,3	147,1	150,6
Other chemical products	6,2	101,8	104,9	105,2	99,7	103,1	105,7	98,5
Rubber products	1,4	98,7	90,2	100,4	107,0	89,8	95,8	106,9
Plastic products	3,1	89,7	92,7	93,8	91,6	90,4	94,8	89,5
Glass and glass products	1,0	88,5	96,4	100,5	96,4	99,7	99,4	99,0
Other non-metallic mineral products	3,5	90,0	89,7	100,1	97,0	86,0	92,4	93,3
Basic iron and steel products	7,6	116,3	123,8	111,5	119,0	116,4	106,2	111,8
Basic precious and non-ferrous metal products	3,2	163,4	140,7	184,9	153,2	137,9	176,2	150,7
Fabricated metal products	7,0	103,4	103,9	117,6	110,2	101,2	114,6	107,6
Structural metal products	2,4	90,5	85,7	116,1	105,9	85,4	109,9	105,4
Other fabricated metal product	4,6	110,0	113,2	118,3	112,4	109,4	117,0	108,8
Total machinery and equipment	5,8	99,6	105,6	122,3	106,0	101,4	116,1	102,1
General purpose machinery	2,5	110,6	124,8	130,7	107,1	121,3	113,2	104,8
Special purpose machinery	2,9	87,8	86,1	112,8	102,9	82,2	117,8	98,6
Household appliances	0,4	116,9	126,4	138,4	121,9	115,0	122,2	111,0
Electrical machinery, apparatus	3,4	102,1	103,0	111,4	101,5	100,5	106,4	99,4
Radio, television and communication apparatus	1,0	123,7	126,8	102,3	111,8	120,2	99,9	105,9
Professional equipment	0,5	80,9	91,2	83,1	89,4	84,6	80,4	82,9
Motor vehicles; trailers; parts and accessories	8,0	125,4	130,4	154,7	147,3	124,5	141,1	140,7
Motor vehicles	4,5	114,9	120,6	145,0	136,0	116,1	128,5	130,9
Bodies for motor vehicles; trailers and semi-trailers	0,5	63,3	59,6	75,0	46,6	62,1	69,5	48,7
Parts and accessories	3,0	152,4	158,2	183,8	182,8	148,6	173,1	172,3
Other transport equipment	1,0	115,0	123,8	111,0	126,2	112,0	112,6	114,5
Furniture	1,6	98,9	97,8	103,9	95,9	99,3	97,2	98,0
Other manufacturing divisions	2,6	111,5	115,3	115,2	124,9	105,5	110,5	114,7
Total	100,0	106,0	107,2	113,3	108,3	104,9	110,4	106,2

* 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	28 589 385	34 200 193*
F	24 414 317	26 328 500	29 866 793	29 901 544	30 607 558	35 164 838	39 173 321*
M	26 712 878	28 188 286	29 866 272	32 190 538	32 788 344	38 016 107	42 584 814*
A	22 897 368	26 231 967	30 438 604	29 758 879	30 508 382	32 678 871	37 430 042*
M	25 806 431	28 293 052	30 626 091	30 352 835	32 737 449	37 000 959	41 035 968*
J	26 204 689	28 261 416	30 575 542	31 723 893	33 126 289	38 670 000	42 646 767
J	25 613 126	28 378 392	31 169 707	31 732 667	33 429 319	36 236 782	40 766 304 1/
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	43 932 190	
D	23 877 458	26 338 721	28 128 922	29 016 347	33 048 575	37 287 838	
Year	308 790 007	339 096 803	368 283 280	373 568 657	398 640 599	448 253 737*	
Seasonally adjusted values							
J	23 518 180	26 406 891	30 512 818	31 068 482	31 514 628	33 959 034	40 309 153
F	24 776 822	26 801 927	30 500 246	30 618 448	31 447 424	36 114 038	40 367 184
M	25 279 913	26 870 790	28 694 311	30 943 383	31 515 703	36 346 841	40 692 351
A	24 285 622	27 737 825	32 131 829	31 544 567	32 449 720	34 929 280	40 176 201
M	26 138 885	28 441 913	30 713 938	30 406 508	32 804 031	37 014 588	41 073 500
J	25 965 270	28 028 130	30 208 032	31 258 628	32 562 797	37 776 721	41 603 149
J	25 534 066	28 371 718	31 171 730	31 875 015	33 641 104	36 568 774	41 257 003
A	26 222 118	28 817 460	30 754 721	30 348 162	33 375 114	38 596 893	
S	26 508 137	28 301 228	30 065 412	31 564 039	34 496 631	38 251 685	
O	26 214 935	29 564 435	32 141 518	31 282 007	33 660 244	37 817 885	
N	26 870 874	29 758 828	30 353 019	30 871 671	35 054 468	39 764 198	
D	26 832 469	29 330 220	30 912 212	31 477 984	35 978 477	40 522 900	

* 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		
		July	June	July 1/	July	June	July
		2000	2000	2001	2000	2001	
Food and food products	59 836 880	4 736 141	5 458 087	5 149 952	4 847 389	5 495 131	5 287 329
Meat, fish, fruit etc.	17 696 951	1 411 796	1 683 380	1 616 024	1 466 641	1 704 981	1 673 692
Dairy products	7 246 522	557 614	629 776	638 595	599 777	676 107	684 701
Grain mill products	15 373 318	1 275 027	1 443 079	1 420 393	1 251 192	1 422 887	1 399 392
Other food products	19 520 089	1 491 704	1 701 852	1 474 940	1 529 779	1 691 156	1 529 544
Beverages	20 378 659	1 537 950	1 783 921	1 582 201	1 718 875	2 061 503	1 788 568
Total textiles	10 164 459	857 189	1 030 729	931 276	816 653	930 547	889 920
Textiles	6 440 583	547 166	660 381	618 030	519 119	600 556	588 349
Other textile products	3 723 876	310 023	370 348	313 246	297 534	329 991	301 571
Total wearing apparel	10 523 645	853 032	860 019	864 000	870 873	945 469	882 676
Knitted, crocheted articles	1 693 563	140 583	179 214	156 981	138 602	160 251	155 369
Wearing apparel	8 830 082	712 449	680 805	707 019	732 271	785 218	727 307
Tanning and dressing of leather	2 666 786	220 239	267 552	204 494	225 343	257 380	208 671
Footwear	2 238 178	187 373	171 204	178 847	183 518	175 819	175 797
Wood and products of wood	9 073 197	794 518	873 471	882 565	759 439	852 329	846 296
Sawmilling and planing of wood	2 589 363	225 882	237 507	240 147	214 849	228 004	229 314
Products of wood	6 483 834	568 636	635 964	642 418	544 590	624 325	616 982
Paper and paper products	23 434 546	1 923 767	2 175 059	2 010 227	1 954 137	2 082 902	2 037 547
Total publishing and printing	11 678 548	887 126	972 954	980 972	903 553	1 014 380	1 003 891
Publishing	4 668 251	348 720	406 405	396 534	359 797	411 262	411 042
Printing, recorded media	7 010 297	538 406	566 549	584 438	543 756	603 118	592 849
Coke and refined petroleum products	31 823 682	2 625 359	3 117 180	3 380 888	2 720 403	3 005 816	3 514 539
Basic chemicals	21 571 212	1 747 541	2 026 359	2 155 960	1 771 976	2 053 082	2 188 903
Other chemical products	26 327 958	2 092 572	2 340 411	2 418 785	2 112 099	2 397 121	2 448 646
Rubber products	4 645 737	358 043	466 342	459 188	369 224	441 014	475 694
Plastic products	10 669 187	913 487	995 750	990 509	891 890	999 178	969 878
Glass and glass products	2 280 493	197 701	234 828	232 629	200 131	244 150	235 756
Other non-metallic mineral products	10 249 683	846 282	1 031 914	956 155	811 228	964 626	921 046
Basic iron and steel products	33 529 317	2 575 867	2 984 117	2 764 050	2 696 859	2 744 315	2 883 797
Basic precious and non-ferrous metal products	15 542 665	1 159 452	1 675 177	1 265 813	1 283 198	1 545 970	1 404 291
Fabricated metal products	24 753 734	2 111 128	2 352 842	2 234 226	2 084 744	2 295 712	2 217 145
Structural metal products	7 818 495	630 612	824 830	727 023	644 393	786 743	740 931
Other fabricated metal product	16 935 239	1 480 516	1 528 012	1 507 203	1 440 351	1 508 969	1 476 214
Total machinery and equipment	19 664 968	1 644 234	1 934 105	1 784 260	1 639 456	1 848 902	1 787 591
General purpose machinery	8 821 849	759 587	784 611	764 119	745 422	712 984	747 206
Special purpose machinery	8 658 911	693 990	915 816	828 959	713 708	930 074	858 290
Household appliances	2 184 208	190 657	233 678	191 182	180 326	205 844	182 095
Electrical machinery, apparatus	13 182 516	1 065 964	1 263 347	1 184 555	1 035 130	1 199 729	1 159 150
Radio, television and communication apparatus	4 639 808	377 237	415 967	311 938	360 822	360 153	298 342
Professional equipment	1 388 382	118 546	128 236	136 542	116 765	115 532	134 949
Motor vehicles; trailers; parts and accessories	53 962 953	4 427 104	5 931 648	5 579 014	4 253 473	5 517 310	5 396 302
Motor vehicles	37 436 200	3 059 252	4 203 320	3 953 638	2 928 072	3 824 420	3 817 796
Bodies for motor vehicles; trailers and semi-trailers	1 670 903	130 676	130 875	128 791	134 521	131 222	133 044
Parts and accessories	14 855 850	1 237 176	1 597 453	1 496 585	1 190 880	1 561 668	1 445 462
Other transport equipment	3 247 376	280 092	261 506	284 188	289 581	223 877	297 716
Furniture	6 253 537	507 686	542 446	524 345	495 176	544 315	513 873
Other manufacturing divisions	14 525 631	1 191 152	1 351 596	1 318 725	1 156 839	1 286 887	1 288 690
Total	448 253 737	36 236 782	42 646 767	40 766 304	36 568 774	41 603 149	41 257 003

* Revised
1/ Preliminary

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

Selected manufacturing subgroups	Actual values			Seasonally adjusted values		
	July	June	July 1/	July	June	July
	2000	2001		2000	2001	
Spinning, weaving and finishing of textiles	189 179	233 261	222 662	194 448	228 441	230 586
Tents, tarpaulins, sails and other canvas goods and automotive textile goods	28 889	27 022	28 804	30 728	31 031	30 318
Other textile articles	70 575	48 182	53 502	68 474	43 849	52 028
Knitted and crocheted fabrics and articles	117 091	104 376	105 777	126 554	111 611	114 787
Wearing apparel	712 863	632 486	646 920	726 862	661 800	658 245
Sawmilling and preserving of timber	25 657	18 216	20 527	25 656	18 749	20 570
Veneer sheets, plywood, laminboard, etc.	25 410	29 579	21 972	24 446	30 960	20 978
Builders' carpentry and joinery	39 416	33 735	36 795	37 219	33 678	34 837
Pulp, paper and paperboard	529 576	407 229	479 856	482 947	425 327	440 335
Corrugated paper and paperboard and containers	401 346	387 559	391 641	432 408	418 366	423 421
Paints, varnishes and coatings	23 715	23 530	25 027	28 516	33 827	29 665
Basic iron and steel products	3 065 712	3 225 081	3 387 744	3 142 588	3 310 973	3 479 519
Steel pipe and tube mills	214 445	144 722	185 450	225 956	159 379	195 783
Basic precious and non-ferrous metal products	1 181 145	1 792 256	1 834 841	1 183 293	1 647 954	1 831 851
Metal structures, parts	1 300 676	1 598 957	1 583 727	1 249 823	1 601 150	1 515 666
Cutlery, hand tools and general hardware	25 874	17 818	17 114	25 863	19 437	17 348
Metal containers, e.g. cans and tins	74 877	85 410	80 209	78 458	82 702	84 206
Cables, wire products, springs	59 807	69 106	65 558	57 480	66 025	62 759
Metal fasteners	54 701	62 802	58 356	57 641	64 532	61 830
All other metal products	536 940	604 413	507 900	516 628	576 626	495 173
Domestic appliances	36 828	29 154	29 581	35 228	28 068	28 218
Electric motors, generators and transformers	542 197	392 797	415 220	512 744	365 833	392 737
Insulated wire and cables	296 073	435 271	467 149	286 432	420 285	451 082
Accumulators, primary cells and primary batteries	12 898	12 351	14 376	13 126	11 518	14 781
Television, radio and communication apparatus	1 188 548	1 999 445	2 037 056	1 183 944	1 938 054	2 032 831
Motor vehicles	2 019 231	2 084 000	2 157 661	2 082 862	2 138 957	2 212 491
Parts and accessories for motor vehicles	306 551	324 577	378 037	286 603	306 424	352 910
Furniture	236 584	211 483	248 230	248 497	228 662	260 756

* Revised