Key figures as at the end of August 2000

Actual estimates	August 2000	% change between August 1999 and August 2000	% change between June 1999 to August 1999 and June 2000 to August 2000	% change between January 1999 to August 1999 and January 2000 to August 2000
Physical volume				
manufacturing production index (1995=100)	107,7	+4,1	+5,7	+4,6
Total value of				
of manufactured products (R million)	38 424,7	+14,0	+13,1	+12,3

Seasonally adjusted estimates	August 2000	% change between July 2000 and August 2000	% change between March 2000 to May 2000 and June 2000 to August 2000
Physical volume of manufacturing production index (1995=100) Total value of	105,8	+1,1	+2,6
of manufactured products (R million)	37 928,1	+4,8	+3,8

Key findings as at the end of August 2000

MANUFACTURING PRODUCTION INCREASES

Manufacturing production for the last three months up to August 2000 reflected an increase of 2,6% after seasonal adjustment compared with the previous three months. Higher manufacturing production was reported by 16 of the 27 manufacturing major divisions.

The major contributors to the increase of 2,6% after seasonal adjustment in the total manufacturing production were the basic chemicals (+0,5 of a percentage point), fabricated metal products (+0,5 of a percentage point), motor vehicle (+0,5 of a percentage point), food and food products (+0,4 of a percentage point) and the machinery and equipment (+0,4 of a percentage point) divisions (cf. Table A).

The total value of sales of manufactured products reflected an increase of 3,8% (R4 118 million) after seasonal adjustment for the three months up to August 2000 compared with the previous three months. The largest increases were reported by the coke and refined petroleum products (+14,3% or R1 045 million), motor vehicle (+12,1% or R1 443 million), basic chemicals (+8,8% or R454 million), 'other' manufacturing industries (+8,7% or R272 million) and fabricated metal products (+4,2% or R256 million) divisions during this period.

of

sales

sales

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

Manufacturing Divisions	facturing production in the base year 1995	seasonally adjusted production index for the three	Quarterly percentage change (Jun. 2000 - Aug. 2000 compared with the preceding three months)	Contribution (percentage points) to the seaso- nally adjus- ted quarterly percentage change in total manu- facturing production 1/
Food and food products	 10,7	100,3	+3,4	+0,4
Beverages	4,6	97,4	+2,9	+0,1
Total textiles	2,9	94,6	-1,4	-0,0
Total Wearing apparel	3,6	81,6	-4,4	-0,2
Tanning and dressing of leather		124,8	-2,3	-0,0
Footwear	0,9	66,6	-2,8	-0,0
Wood and products of wood	1,9	119,9	+1,6	+0,0
Paper and paper products	5,3	104,1	+0,1	+0,0
Total publishing and printing	4,1	90,3	-1,3	-0,1
Coke and refined petroleum				
products	4,2	109,2	+5,3	+0,2
Basic chemicals	4,5	144,8	+11,6	+0,5
Other chemical products	6,2	100,8	-1,4	-0,1
Rubber products	1,4	95,1	-1,6	-0,0
Plastic products	3,1	89,5	+2,9	+0,1
Glass and glass products Other non-metallic mineral	1,0 	93,7	+9,2	+0,1
products	3,5	88,1	-0,0	-0,0
Basic iron and steel products	7,6	115,3	-4,2	-0,3
Basic precious and non-ferrous	<u>'</u>			ĺ
metal products	3,2	156,3	-2,1	-0,1
Fabricated metal products	7,0	103,9	+6,6	+0,5
Total machinery and equipment	5,8	98,7	+7,5	+0,4
Electrical machinery, apparatus	3,4	100,2	+0,2	+0,0
Radio, television and				
communication apparatus	1,0	122,2	-1,3	-0,0
Professional equipment	0,5	83,4	+11,3	+0,1
Motor vehicles; trailers;		100 5		.0.5
parts and accessories Other transport equipment	8,0	123,5	+6,6	+0,5
Other transport equipment Furniture	1,0 1,6	111,4 103,5	+3,3 +11,9	+0,0
Other manufacturing industries	1,6	103,5	+11,9	+0,2
TOTAL	100,0	106,4	+0,0 +2,6	+0,2
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^{1/} The contribution is calculated by multiplying the quarterly percentage change of each manufacturing division with its corresponding weight in the base year.

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Forthcoming issues	Issue	Expected release date
	September 2000	7 November 2000
	October 2000	12 December 2000
	November 2000	9 January 2001
	December 2000	6 February 2001

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.

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

Base 1995 = 100

Month	1994	1995	1996	1997	1998	1999	2000
				Actual indices			
 Ј	72,7	80,6	83,6	89,8	89,6	86,7	88,8
F	87,0	97,6	96,7	103,1	101,1	98,0	103,2
M	95,6	104,2	102,6	102,5	102,8	101,5	109,0
A	82,8	91,0	96,4	105,5	96,3	94,8	93,3
M	84,8	101,8	104,1	106,2	101,1	101,1	106,5
J	92,4	102,4	102,9	104,9	104,5	100,5	110,5
J	92,9	101,7	104,7	108,2	104,4	104,3	107,7
A	94,0	106,0	107,8	105,8	100,0	103,5	107,7 1/
S	100,9	106,7	105,2	108,3	106,8	107,0	
0	104,2	112,5	115,8	119,1	111,8	112,9	
N	108,2	110,7	114,4	111,7	109,8	115,5	
D	85,3	84,8	83,7	86,9	85,3	90,6	
Year	91,7	100,0	101,5	104,3	101,1	101,4	
			 S	easonally adjus	ted indices		
 Ј	87,5	96,5	99,2	105,7	105,0	100,8	102,7
F	88,3	99,3	98,7	105,2	102,8	99,7	104,8
M	91,1	100,0	99,5	100,3	101,1	99,9	107,6
A	88,7	97,3	102,2	111,1	101,3	99,5	98,1
M	85,4	101,8	103,9	105,4	100,0	100,2	105,5
J	91,3	101,1	101,5	103,3	102,8	98,9	108,7
J	91,6	99,9	102,4	105,6	101,6	101,5	104,7
A	90,9	102,6	104,5	103,1	97,7	101,5	105,8
S	95,8	101,5	100,2	103,1	102,1	102,6	
0	93,9	101,1	103,1	105,8	99,7	100,7	
N	97,2	99,8	103,1	101,1	99,7	105,2	
D	98,1	98,3	98,9	102,5	101,2	108,2	

^{*} Revised 1/ Preliminary

 $\hbox{Table 2-Indices of the physical volume of manufacturing production according to manufacturing divisions and major groups }$

Base 1995 = 100

August July July August Jul	Manufacturing	<u> </u>		Act	ual indic	es 	Seasonal	ly adjust	ed indices
Food and food products	divisions	Weights	ĺ	 August	 July	 August 1/	 August	 July	 August
Meat, fish, fruit etc.			1999	1999	2	000	 1999	20	00
Dairy products (1,4 92,8 96,5 84,8 94,2 95,1 89,5 92, 67an mill products (2,1 93,9 94,8 90,0 94,2 95,3 84,9 94, 0ther food products (4,4 95,3 105,9 112,0 121,1 92,1 97,2 105, 88verages (4,6 100,8 90,0 84,0 71,1 92,1 97,2 105, 87,5 102,1 105,1 102,1 105,1 102,1 105,1 102,1 105,1 102,1 103,1 105,1 102,1 103,1 105,1 105,1 102,1 105,1 102,1 103,1	Food and food products	10,7	99,2	106,0	101,1	108,1	99,8	97,1	100,9
Grain mill products	Meat, fish, fruit etc.	2,8	112,4	119,0		104,8	117,3	109,5	102,8
Grain mill products		1,4			84,8			89,5	92,8
Beverages	-	1			90,0		!		94,7
Total textiles	-	1					!		105,2
Textile Text		1					!		85,5
Other textile products									91,5
Total wearing apparel		1							84,0
Rearing apparel 3,0 89,5 90,5 73,0 72,3 87,8 70,1 69,	Other textile products	1,2	101,9	108,8	115,6	107,5	102,9	105,6	102,2
Wearing apparel		3,6		92,7		84,7	89,1	75,1	81,9
Tamning and dressing of leather									69,9
Footwear									84,3
Nood and products of wood 1,9 114,1 117,0 121,5 125,8 112,8 113,8 121,							!		120,1
Sawmilling and planing of wood									66,6
Products of wood 1,2 120,6 120,3 127,5 133,3 118,2 119,8 131,							!		
Paper and paper products				111,9	112,3				
Total publishing and printing							!		
Publishing Printing, recorded media 2,6 89,5 93,7 89,4 94,4 90,0 86,6 90, Coke and refined petroleum Products 4,2 106,4 109,7 105,7 107,8 111,5 107,7 109,7 8asic chemicals 4,5 126,9 121,6 140,5 143,2 124,5 144,7 147, Cher chemical products 6,2 103,3 100,2 103,1 97,7 101,7 99,6 99, Rubber products 1,4 92,8 108,3 90,2 95,5 105,5 90,9 93, Plastic products 1,4 92,8 108,3 90,2 95,5 105,5 90,9 93, Plastic products 1,0 85,2 91,3 96,4 106,5 84,8 100,5 98,0 106,1 106,5 84,8 100,5 98,0 106,1 106,5 84,8 100,5 98,0 106,1 106,5 84,8 100,5 98,0 106,1 106,5 84,8 100,5 98,0 106,1 106				97,1			!		
Printing, recorded media							!		
Coke and refined petroleum products	-						!		
Products		2,6	89,5	93,7	89,4	94,4	90,0	86,6	90,7
Basic chemicals	-								
Other chemical products	-	· ·						•	
Rubber products							!		
Plastic products	-	!					!		
Class and glass products	-	1					!		
Other non-metallic mineral products	_						!		
products 3,5 85,0 88,7 89,7 93,4 84,4 85,4 89,7 Basic iron and steel products 7,6 96,9 99,2 129,9 108,5 100,3 122,0 110,0 Basic iron and steel products 7,6 96,9 99,2 129,9 108,5 100,3 122,0 110,0 metal products 7,6 96,9 99,2 129,9 108,5 100,3 122,0 110,0 Fabricated metal products 7,0 99,1 98,9 103,9 109,3 98,1 101,2 108,5 Structural metal products 2,4 95,9 92,3 85,7 87,5 94,5 85,3 89,0 Other fabricated metal product 4,6 100,8 102,3 113,2 120,5 99,9 109,5 117, 108,5 89,7 99,9 109,5 117, 101,5 118,4 126,4 103,0 112,5 124,4 97, 102,5 101,1 123,5 103,2 103,2		1,0	85,2	91,3	96,4	106,5	84,8	100,5	98,
Basic iron and steel products 7,6 96,9 99,2 129,9 108,5 100,3 122,0 110,		2 =	05.0	00 5	00 5	00.4	04.4	0.5.4	00.1
Basic precious and non-ferrous metal products	-								
metal products 3,2 153,3 157,7 140,7 156,7 155,5 130,5 154,6 Fabricated metal products 7,0 99,1 98,9 103,9 109,3 98,1 101,2 108, Structural metal products 2,4 95,9 92,3 85,7 87,5 94,5 85,3 89, Other fabricated metal product 4,6 100,8 102,3 113,2 120,5 99,9 109,5 117, Total machinery and equipment 5,8 97,5 99,8 107,9 96,1 95,9 103,2 93, General purpose machinery 2,5 111,5 119,4 126,4 103,0 112,5 124,4 97, Special purpose machinery 2,9 84,4 81,9 88,9 86,4 80,6 83,0 85, Household appliances 0,4 105,3 107,4 130,1 123,5 103,2 115,6 119, Electrical machinery, apparatus 3,4 96,5 95,8 99,2 98,6 93,5 94,3 96, 93,5 94,3 96, Radio, television and communication apparatus 1,0 126,9 124,4 126,8 134,2 119,5 120,9 129,7 Professional equipment 0,5 77,9 79,5 89,7 92,0 75,7 84,9 87, 87, Motor vehicles; trailers; parts and accessories 8,0 102,5 108,6 129,3 128,3 105,8 123,1 125,4 80 102,1 116,8 119, Bodies for motor vehicles; trailers and semi-trailers 0,5 64,3 70,0 59,6 66,9 65,7 61,9 62,8 Parts and accessories 3,0 117,7 123,0 155,0 151,0 118,5 143,9 146,0 113,1 114,6 123,8 113,1 112,3 112,0 111,7 111,0 113,1 114,6 123,8 113,1 112,3 112,0 111,7 111,0 111,0 113,1 114,6 123,8 113,1 112,3 112,0 111,0 111,1 115,3 112,0 101,0 100,0 108,0 108,0 108,0 108,0 108,0 108,0 108,1 117,0 113,1 115,3 126,9 108,5 106,1 117,0 117,0 117,1 115,3 126,9 108,5 106,1 117,0 117,0 117,1 115,3 126,9 108,5 106,1 117,0 117		7,6	96,9	99,2	129,9	108,5	1 100,3	122,0	110,0
Fabricated metal products 7,0 99,1 98,9 103,9 109,3 98,1 101,2 108, Structural metal products 2,4 95,9 92,3 85,7 87,5 94,5 85,3 89, Other fabricated metal product 4,6 100,8 102,3 113,2 120,5 99,9 109,5 117, Total machinery and equipment 5,8 97,5 99,8 107,9 96,1 95,9 103,2 93, General purpose machinery 2,5 111,5 119,4 126,4 103,0 112,5 124,4 97, Special purpose machinery 2,9 84,4 81,9 88,9 86,4 80,6 83,0 85, Household appliances 0,4 105,3 107,4 130,1 123,5 103,2 115,6 119, Electrical machinery, apparatus 3,4 96,5 95,8 99,2 98,6 93,5 94,3 96, Radio, television and communication apparatus 1,0 126,9 124,4 126,8 134,2 119,5 120,9 129,2 Professional equipment 0,5 77,9 79,5 89,7 92,0 75,7 84,9 87, Motor vehicles; trailers; parts and accessories 8,0 102,5 108,6 129,3 128,3 105,8 123,1 125,4 Motor vehicles 1,5 motor vehicles; trailers and semi-trailers 0,5 64,3 70,0 59,6 66,9 65,7 61,9 62,8 Parts and accessories 3,0 117,7 123,0 155,0 151,0 118,5 143,9 114,6 123,8 113,1 112,3 112,0 111,5 Furniture 1,6 102,6 105,1 97,8 112,5 101,0 100,0 108,0 Other manufacturing industries 2,6 107,7 117,1 115,3 126,9 108,5 106,1 117,	-		150 0	155.5	140 5	156 5	1 1 5 5	120 5	154 6
Structural metal products	-	· ·							
Other fabricated metal product		1					!		
Total machinery and equipment	-	1					!		
General purpose machinery 2,5 111,5 119,4 126,4 103,0 112,5 124,4 97, Special purpose machinery 2,9 84,4 81,9 88,9 86,4 80,6 83,0 85, Household appliances 0,4 105,3 107,4 130,1 123,5 103,2 115,6 119, Electrical machinery, apparatus 3,4 96,5 95,8 99,2 98,6 93,5 94,3 96, Radio, television and communication apparatus 1,0 126,9 124,4 126,8 134,2 119,5 120,9 129,7 Professional equipment 0,5 77,9 79,5 89,7 92,0 75,7 84,9 87, Motor vehicles; trailers; parts and accessories 8,0 102,5 108,6 129,3 128,3 105,8 123,1 125,4 Motor vehicles 4,5 97,0 103,8 120,6 120,7 102,1 116,8 119, Bodies for motor vehicles; trailers 0,5 64,3 70,0 59,6 66,9 65,7 61,9 62,8 Parts and accessories 3,0 117,7 123,0 155,0 151,0 118,5 143,9 146, Other transport equipment 1,0 113,1 114,6 123,8 113,1 112,3 112,0 111, Furniture 1,6 102,6 105,1 97,8 112,5 101,0 100,0 108, Other manufacturing industries 2,6 107,7 117,1 115,3 126,9 108,5 106,1 117,							!		
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Motor vehicles 4,5 97,0 103,8 120,6 120,7 102,1 116,8 119, Bodies for motor vehicles; trailers and semi-trailers 0,5 64,3 70,0 59,6 66,9 65,7 61,9 62,8 Parts and accessories 3,0 117,7 123,0 155,0 151,0 118,5 143,9 146, Other transport equipment 1,0 113,1 114,6 123,8 113,1 112,3 112,0 111, Furniture 1,6 102,6 105,1 97,8 112,5 101,0 100,0 108, Other manufacturing industries 2,6 107,7 117,1 115,3 126,9 108,5 106,1 117,0		l l g n	102 5	108 6	120 3	120 2	 105 Ω	122 1	125 /
Bodies for motor vehicles; trailers and semi-trailers 0,5 64,3 70,0 59,6 66,9 65,7 61,9 62,8 Parts and accessories 3,0 117,7 123,0 155,0 151,0 118,5 143,9 146, Other transport equipment 1,0 113,1 114,6 123,8 113,1 112,3 112,0 111,7 Furniture 1,6 102,6 105,1 97,8 112,5 101,0 100,0 108,0 Other manufacturing industries 2,6 107,7 117,1 115,3 126,9 108,5 106,1 117,0	-	· ·							
trailers and semi-trailers 0,5 64,3 70,0 59,6 66,9 65,7 61,9 62,8 Parts and accessories 3,0 117,7 123,0 155,0 151,0 118,5 143,9 146, Other transport equipment 1,0 113,1 114,6 123,8 113,1 112,3 112,0 111,5 Furniture 1,6 102,6 105,1 97,8 112,5 101,0 100,0 108,0 Other manufacturing industries 2,6 107,7 117,1 115,3 126,9 108,5 106,1 117,0		1 ,5	J1,0	103,0	120,0	140,7	ı ⊥∪∠,⊥ 	110,0	117,-
Parts and accessories 3,0 117,7 123,0 155,0 151,0 118,5 143,9 146, Other transport equipment 1,0 113,1 114,6 123,8 113,1 112,3 112,0 111, Furniture 1,6 102,6 105,1 97,8 112,5 101,0 100,0 108,0 Other manufacturing industries 2,6 107,7 117,1 115,3 126,9 108,5 106,1 117,0		Ι Ι ος	64 2	70 0	50 6	66 9	l 65-7	61 0	62 0
Other transport equipment 1,0 113,1 114,6 123,8 113,1 112,3 112,0 111, Furniture 1,6 102,6 105,1 97,8 112,5 101,0 100,0 108,0 Other manufacturing industries 2,6 107,7 117,1 115,3 126,9 108,5 106,1 117,0		'.					'.		
Furniture 1,6 102,6 105,1 97,8 112,5 101,0 100,0 108,0		:					:		
Other manufacturing industries 2,6 107,7 117,1 115,3 126,9 108,5 106,1 117,		1					:		
		1					:		
	COTAL	100,0	107,7	103,5	115,3	126,9	108,5	106,1	105,

^{*} Revised 1/ Preliminary

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

Month	:	L994			L995		19	996		:	L997			1998		:	1999		2	2000	
										Actual	va	lues									
J	16	267	098		206				249			480			926	26	410	458	28	442	536
F	1	815			414				500		866				544		607			051	
M	1	056			712				286		866				538		788			852	
A	1	132			897			231			438				879		508			660	
M	1	723			806			293			626				835		711				847
J		055			204			261			575				893		095				102*
J		251 957			613 064				392 761			707 042		810	667		398 707				744 703 1/
A S		954			737				724			644			327		898		30	424	/03 1/
0		209				559			022			602			472		387				
N	1	275				074			713			581			610		805				
D	1	667				458			721			922			347		013				
Year	 259	366	761	308	790	007	339	096	803	368	283	280	373	568		398					
										Seasona	ally	adju	sted	valı							
 Ј	 19	821	238	23	558	992	26	497	435	30	658	361	31	284	845	31	829	796	34	182	 898
F	20	116	145	24	779	108	26	809	107	30	509	656	30	617	022	31	422	612	35	925	980
M	20	747	448	25	291	270	26	876	378	28	711	699	31	002	091	31	632	535	36	435	267
A		324			280			721				095			214		149			481	
M	1	158				624		456				542			410		839			167	
J		898			973			048				402			840		735			074	
J	1	185			544			343			095				599		272			200	
A		213			207			794				350			860		217		37	928	880
S		750			482			263				469			063		550				
O N	1	673 532			198 859			540 736			054				265 757		384 014				
N D	1	375			807			358			315 029				346		490				
ע	23	3/5	996	26	80/	026	29	358	543	3 L	029	826	3 <u>1</u>	/ / 1	346	36	490	TZR			

^{*} Revised 1/ Preliminary

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

Manufagturing				 			Ac	tual	valı	ies			s	easo	nall	 у ас	djus	ted '	valı	ues	
Manufacturing divisions		Year A			gust	 	Jι	ıly		Aug	gust	1/	!	ugus		J	uly		Aug	gust	
and major groups	}	199	9		1999				20	000			l	1999				2000)		
Food and food products	 57	155	867	 4	712	904	4	722	513		114	349	4	639	489	4	729	748	5	057	934
Meat, fish, fruit etc.		159	161	1	404	365		404				039			743			109		423	
Dairy products	7	164	653		633	917		557	614		620	751	ĺ	615	890		600	377		603	555
Grain mill products	14	871	882	1	285	881	1	270	426	1	293	192	1	275	998	1	227	378	1	282	241
Other food products	17	960	171	1	388	741	1	489	666	1	781	367	1	342	858	1	439	884	1	749	097
Beverages	20	605	141	1	567	325	1	537	950	1	550	664	1	689	755	1	721	590	1	688	957
Total textiles	9	770	275		846	930		855	341		868	896	ĺ	815	695		797	112		841	719
Textiles	6	304	565		551	886		547	166		561	536		524	672		509	610		537	073
Other textile products	3	465	710		295	044		308	175		307	360		291	023		287	502		304	646
Total wearing apparel	10	994	539		940	315		847	473		881	291		904	252		858	908		851	225
Knitted, crocheted articles		858				340			583			314			157			820			399
Wearing apparel	!	135				975			890			977	ļ		095			088		708	
Tanning and dressing of leather		577				241			530			987			480			460			207
Footwear		379				502			373			682			144			617		190	
Wood and products of wood		386				899			481			269			873			828			372
Sawmilling and planing of wood		380				492			312			790	ļ		518			525			127
Products of wood		005				407			169			479	_		355			303	-	535	
Paper and paper products		400	594	1		641	1	923				452	1		040	1		750		933	
Total publishing and printing	1.	664				954			632	1	060		ļ		129			856	1	040	
Publishing		471				631			720			218			487			783		371	
Printing, recorded media] 7	193	856		600	323		622	912		68T	186	l	587	642		614	073		668	50I
Coke and refined petroleum		000	607	-	024	076	_		110	2	140	600	-	000	F06	_	700	070	_	010	000
products		999 872	911		934			620			143	851		806			726			919 946	
Basic chemicals		490				634 522		813 098				059			055 169			800 042		246	
Other chemical products	1 -	167		2		723	2		043			423	4		391	2		693	2	372	
Rubber products Plastic products		723				785			419			597			505			353		933	
Flastic products Glass and glass products		140				509			701			223			175			046		204	
Other non-metallic mineral	4	140	020		102	505		1)	701		211	223	l	170	1/3		1))	010		201	030
products	9	255	562		813	059		837	100		943	744		766	888		794	154		891	864
Basic iron and steel products			845	2		215	2	575		2		449	 2		926	2		048	2	636	
Basic precious and non-ferrous	20	050	015	2	152	213	_	373	007		001	117		12,	220	2	000	010	-	050	0,2
metal products	1 13	107	160	1	171	178	1	155	504	1	239	680	1	126	454	1	135	222	1	190	846
Fabricated metal products	1 -	450				197		111				586			150			539		171	
Structural metal products	8			_		530	_		612			910	i -		667	_		832	_	666	
Other fabricated metal product	1	074		1		667	1	480		1		676	1		483	1		707	1	504	
Total machinery and equipment		482				255		692				784			733			846	1	668	161
General purpose machinery	8	715	989		806	113		787	126		832	175	İ	731	847		780	966		757	038
Special purpose machinery	7	839	996		593	200		708	578		709	489	İ	599	564		700	810		725	157
Household appliances	1	926	197		157	942		196	352		191	120	İ	152	322		176	070		185	966
Electrical machinery, apparatus	11	835	715		980	975	1	062	074	1	123	797	İ	943	448	1	004	034	1	084	168
Radio, television and	ĺ																				
communication apparatus	4	441	396		412	730			237		486	682		387	178		359	990		459	256
Professional equipment	1	299	945		111	083		118	546		119	854		110	371		117	372		119	591
Motor vehicles; trailers;																					
parts and accessories		719			747			311			729			764			095			769	
Motor vehicles	30	465	944	2	699	332	3	059	252	3	285	499	2	729	253	2	900	245	3	333	799
Bodies for motor vehicles;																					
trailers and semi-trailers	1	529			135			130			160		ļ.		570		137			155	
Parts and accessories		724				704	1	121		1	283		ļ		542	1		771	1	280	
Other transport equipment		789				307			450			682	ļ		601			727		151	
Furniture		356				127			149			516	ļ		546			913			936
Other manufacturing industries		208				928		132				190			883			301		047	
TOTAL	398	331	546	33	707	678	36	289	744	38	424	703	33	217	221	36	200	141	37	928	880

^{*} Revised 1/ Preliminary

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

Selected	 		Ac	tual r	values 		 -	Seas	sonally a	djuste 	ed values	
manufacturing subgroups	August		July		 August	1/	August	=	Jul	У	 Augus	st
	1999			:	2000		199	9		200	00	
Spinning, weaving and							-					
finishing of textiles Tents, tarpaulins, sails	210 68	38	189	179	176	611	213	193	191	538	180	470
and other canvas goods and												
automotive textile goods	26 70			068		107		284		824		949
Other textile articles Knitted and crotcheted	60 8! 	56	70	575	59	575	63	802	69	734	63	092
fabrics and articles	147 88	38	141	093	129	042	151	236	148	391	132	809
Wearing apparel Sawmilling and preserving	868 9	84	675	160	677	304	857 	329	698	589	668	316
of timber Veneer sheets, plywood,	19 51	L5	25	657	27	643	19	346	25	522	27	467
laminboard, etc. Builders' carpentry	21 5	22	25	410	24	506	21	765	24	898	24	821
and joinery	59 63	36	39	416	42	653	56	886	36	843	40	493
Pulp, paper and paperboard Corrugated paper and paper-	261 9			576		720	1	549		553		820
board and containers	353 56	58	353	264	342	702	381	166	375	150	370	671
Paints, varnishes and coatings	12 3			852		692		593		153		294
Basic iron and steel products	2 857 9		3 099	080	2 996	851	2 909	405	3 173	605	3 048	007
Steel pipe and tube mills	141 8	40	214	445	197	585	150	654	222	333	210	458
Basic precious and non-	ĺ						ĺ					
ferrous metal products	1 043 97		1 181		1 223	422	1 042	110	1 242	943	1 226	659
Metal structures, parts Cutlery, hand tools and	1 331 3	10	1 300	676	1 308	900	1 333	617	1 287	524	1 312	000
general hardware Metal containers, e.g. cans	28 95	56	25	874	25	813	29	806	23	157	26	597
and tins	57 36	55	74	877	75	016	63	258	79	491	82	642
Cables, wire products, springs	75 3	90	59	807	60	164	73	468	57	077	58	312
Metal fasteners	35 3	87	55	517		925	38	513	57	154	61	629
All other metal products	647 3			940		771		347		042		459
Domestic appliances Electric motors, genarators	45 83	30	22	586	19	598	43	627	21	317	18	682
and transformers	445 37		542	197	515	629	447	843	525	416	521	164
Insulated wire and cables Accumulators, primary cells	162 7	81	301	687	316	708	164	136	294	440	319	553
and primary batteries Television, radio and	10 52	26	12	898	11	780	10	499	12	793	11	862
communication apparatus	828 72	21	1 204	166	1 157	914	838	174	1 233	899	1 177	902
Motor vehicles Parts and accessories for	1 688 3		2 019	231	2 007	565	1 753	506	2 088		2 073	767
motor vehicles	314 80	12	308	332	487	475	282	328	291	682	436	163
Furniture	218 6			949		985		763		575		763

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 August 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

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 2 700 manufacturing establishments.

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.
- 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 In order to calculate a production index for the total manufacturing industry, the production

indices for the major groups are combined as follows:

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

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 Users may also wish to refer to the following publications which are available from Stats SA -
 - 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:

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.

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

Symbols and abbreviations

22	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

See the response rates for August 2000, by manufacturing major divisions, in table B.

Table B - Response rates for August 2000

Manufacturing major divisions	0/0
	response
Food and food products	76,8
Beverages	86,1
Textile	94,0
	94,0 87,1
Total wearing apparel	
Tanning and dressing of leather	57,6
Footwear	78,3
Wood and products of wood	82,5
Paper and paper products	80,6
Total publishing and printing	72,4
Coke and refined petroleum products	69,7
Basic chemicals	92,4
Other chemical products	88,5
Rubber products	87,0
Plastic products	71,1
Glass and glass products	91,7
Other non-metallic mineral products	62,3
Basic iron and steel products	78,1
Basic precious and non-ferrous metal products	68,0
Fabricated metal products	81,1
Total machinery and equipment	79,2
Electrical machinery, apparatus	72,8
Radio, television and communication apparatus	82,6
Professional equipment	71,4
Motor vehicles; trailers; parts and accessories	84,1
Other transport equipment	82,9
Furniture	80,3
Other manufacturing industries	76,5
Total	79,5

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 June 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 -

- 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 -

- 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;
- 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; and
- opening values of work in progress, finished goods and factored goods.

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.

FOR MORE INFORMATION

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Library of Parliament, Cape Town
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