

MEDIA RELEASE

26 November 2021

Monthly Manufacturing Performance – October 2021

Highlights

- On a year-on-year basis, Singapore's manufacturing output increased 16.9% in October 2021. Excluding biomedical manufacturing, output grew 9.7%.
- On a seasonally adjusted month-on-month basis, manufacturing output increased 2.4% in October 2021. Excluding biomedical manufacturing, output grew 1.5%.

(I) Total Manufacturing Performance

1. Singapore's manufacturing output increased 16.9% in October 2021 on a year-on-year basis. Excluding biomedical manufacturing, output grew 9.7%. On a three-month moving average basis, manufacturing output rose 8.0% in October 2021, compared to a year ago. On a seasonally adjusted month-on-month basis, manufacturing output increased 2.4%. Excluding biomedical manufacturing, output grew 1.5%.

(II) Performance by cluster

2. Biomedical manufacturing: Output increased 56.1% in October 2021 compared to the same period in 2020. The pharmaceuticals segment expanded 93.4% from a low production base last year. Conversely, the medical technology segment declined 3.0% with lower demand for medical devices in some export markets. Overall, the biomedical manufacturing cluster grew 5.2% year-on-year in the period January – October 2021.
3. Transport engineering: Output expanded 35.3% in October 2021 compared to a year ago. The marine & offshore engineering segment rose 77.6% with a higher level of work done in shipbuilding & repairing activities, compared to the low base a year ago. The aerospace segment grew 26.9% as demand for maintenance, repair and overhaul activities improved compared to a year ago, when there was widespread grounding of aircraft due to COVID-19 international travel restrictions. Cumulatively, the transport engineering cluster grew 8.6% in the first ten months of 2021 compared to the same period last year.
4. Chemicals: Output grew 15.3% year-on-year in October 2021 with all segments recording an increase. The petrochemicals and petroleum segments expanded 16.9% and 15.7% respectively from a year ago, when production was low due to plant maintenance shutdowns and weak export demand amid the COVID-19 outbreak. The other chemicals segment rose 11.7% on account of higher output in fragrances, while the specialties segment grew 9.3% with higher production of mineral oil additives. On a year-to-date basis, the chemicals cluster grew 10.1% compared to the same period a year ago.
5. Precision engineering: Output increased 9.1% in October 2021 as compared to the same period a year ago. The machinery & systems segment grew 19.6% with higher

production of semiconductor equipment to cater to the strong capital investment in the global semiconductor industry. On the other hand, the precision modules & components segment fell 11.2% with lower output of optical products. Overall, the precision engineering cluster grew 19.8% in the period January – October 2021 compared to the same period last year.

6. Electronics: Output increased 6.5% year-on-year in October 2021. All segments recorded a higher level of production. In the first ten months of this year, the electronics cluster grew 17.2% compared to the same period in 2020.
7. General manufacturing: Output rose 0.8% in October 2021 on a year-on-year basis. The miscellaneous industries segment grew 20.2% from a low base last year, when demand for construction-related products was adversely affected by COVID-19. By contrast, the printing segment fell 8.2% while the food, beverage & tobacco segment contracted 10.3% on account of plant maintenance shutdowns and lower production of milk products due to weaker export demand. On a year-to-date basis, output of the general manufacturing industries cluster grew 6.4%, compared to the same period a year ago.
8. The next monthly manufacturing performance media release will be issued on 24 December 2021.

- END -

Editors' Note: Updates on Monthly Manufacturing Output are available on <https://www.gov.sg/resources/sqpc/> and <https://www.edb.gov.sg>

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About the Singapore Economic Development Board

The Singapore Economic Development Board (EDB), a government agency under the Ministry of Trade and Industry, is responsible for strategies that enhance Singapore's position as a global centre for business, innovation, and talent. We undertake investment promotion and industry development, and work with international businesses, both foreign and local, by providing information, connection to partners and access to government incentives for their investments. Our mission is to create sustainable economic growth, with vibrant business and good job opportunities for Singapore.

For more information on EDB, please visit www.edb.gov.sg

TABLE 1 : MANUFACTURING SECTOR GROWTH

Period		NSA INDEX Total Mfg (2019 = 100)	YOY Growth (%) Total Mfg	SA INDEX Total Mfg	SA MOM GROWTH (%) Total Mfg	SA INDEX Total Mfg excl Biomedical Mfg	SA MOM GROWTH (%) Total Mfg excl Biomedical Mfg
2019	Oct	106.7	3.9	104.2	5.3	109.8	13.5
	Nov	89.4	-12.3	91.3	-12.4	95.8	-12.7
	Dec	97.8	-3.7	95.2	4.2	96.0	0.1
2020	Jan	110.8	3.7	110.6	16.2	105.0	9.4
	Feb	88.1	-0.5	94.7	-14.4	96.7	-7.9
	Mar	117.7	21.5	115.0	21.5	101.2	4.6
	Apr	117.7	12.0	113.0	-1.7	99.0	-2.2
	May	89.0	-7.9	94.3	-16.5	91.7	-7.4
	Jun	98.8	-6.1	99.5	5.5	97.2	6.0
	Jul	103.3	-7.1	98.7	-0.8	103.4	6.4
	Aug	109.9	16.4	113.0	14.5	108.7	5.1
	Sep	127.7	25.9	124.8	10.4	106.9	-1.7
	Oct	106.2	-0.4	104.5	-16.3	107.9	1.0
	Nov	106.7	19.4	109.0	4.3	109.9	1.9
	Dec	114.5	17.1	111.5	2.3	117.5	6.9
2021	Jan	121.5	9.6	116.8	4.7	115.9	-1.4
	Feb	103.0	17.0	118.8	1.7	116.6	0.6
	Mar	128.6	9.3	118.1	-0.6	115.4	-1.1
	Apr	121.0	2.8	118.2	0.0	112.6	-2.4
	May	113.3	27.3	123.4	4.4	120.0	6.5
	Jun	126.8	28.4	120.3	-2.5	121.3	1.1
	Jul	120.3	16.5	117.0	-2.7	112.4	-7.3
	Aug	122.3	11.3	123.6	5.7	122.3	8.8
	Sep	124.9	-2.2	121.3	-1.9	117.4	-4.1
	Oct*	124.2	16.9	124.2	2.4	119.1	1.5

Note:

- * - Preliminary
- NSA Index - Non seasonally adjusted index
- MOM - Month-on-month
- YOY - Year-on-year

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TABLE 2 : PERFORMANCE BY CLUSTERS

Industry Cluster	Weights	% change over corresponding period of previous year				% change of 3-month moving average over corresponding period of previous year		
		Aug 21	Sep 21	Oct 21*	Cum Jan – Oct 21	Aug 21	Sep 21	Oct 21*
Electronics	43.5	15.9	7.2	6.5	17.2	15.1	8.7	9.8
Semiconductors	35.9	16.8	6.7	3.9	17.7	14.9	8.1	9.1
Computer Peripherals & Data Storage	3.6	6.4	2.3	27.9	20.5	18.7	9.1	11.4
Infocomms & Consumer Electronics	2.8	27.5	5.3	22.0	4.1	8.9	17.8	17.1
Other Electronic Modules & Components	1.3	24.5	33.5	17.9	21.4	32.3	33.2	25.5
Biomedical Manufacturing	13.6	-1.7	-35.9	56.1	5.2	32.9	-4.3	-6.1
Pharmaceuticals	6.8	-5.8	-46.2	93.4	2.5	36.8	-8.6	-9.7
Medical Technology	6.8	8.5	2.5	-3.0	16.1	22.3	8.6	2.4
Chemicals	12.2	0.7	12.4	15.3	10.1	7.8	2.4	9.2
Petroleum	0.9	22.1	26.1	15.7	0.7	27.6	25.5	21.3
Petrochemicals	4.9	-0.7	18.6	16.9	14.5	8.7	7.5	10.9
Specialties	4.1	0.3	-1.7	9.3	9.8	6.5	-7.8	2.5
Others	2.4	-1.3	9.9	11.7	5.8	11.3	1.5	6.6

* Preliminary

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TABLE 2 : PERFORMANCE BY CLUSTERS (Continued)

Industry Cluster	Weights	% change over corresponding period of previous year				% change of 3-month moving average over corresponding period of previous year		
		Aug 21	Sep 21	Oct 21*	Cum Jan – Oct 21	Aug 21	Sep 21	Oct 21*
Precision Engineering	13.2	22.2	31.1	9.1	19.8	21.4	24.6	20.2
Machinery & Systems	8.7	31.6	39.5	19.6	26.1	28.4	32.5	29.6
Precision Modules & Components	4.5	2.2	14.2	-11.2	7.8	8.4	8.6	1.2
Transport Engineering	9.0	24.6	13.8	35.3	8.6	27.8	23.1	24.4
Marine & Offshore Engineering	3.0	37.5	11.1	77.6	14.5	42.1	31.1	41.5
Aerospace	5.1	23.5	23.0	26.9	2.0	21.4	23.5	24.5
Land	0.9	9.7	-3.9	-10.1	24.1	24.2	7.8	-2.1
General Manufacturing Industries	8.5	6.8	-1.3	0.8	6.4	11.8	5.6	2.0
Printing	0.9	-16.2	-14.7	-8.2	-10.8	-12.8	-15.2	-12.9
Food, Beverages & Tobacco	4.7	-5.3	-15.7	-10.3	-6.6	-5.6	-9.7	-10.4
Miscellaneous Industries	2.9	33.7	24.4	20.2	32.8	51.3	37.8	25.7
Total Manufacturing	100.0	11.3	-2.2	16.9	12.8	18.4	7.8	8.0
Manufacturing excluding Biomedical Manufacturing	86.4	13.9	11.0	9.7	14.7	15.1	10.6	11.5

* Preliminary

TABLE 3 : MONTHLY INDEX OF INDUSTRIAL PRODUCTION BY INDUSTRY CLUSTER, OCTOBER 2019 TO OCTOBER 2021

Period	Electronics					Biomedical Manufacturing			Chemicals					
	Total	Semi-conductors	Computer Peripherals & Data Storage	Infocomms & Consumer Electronics	Other Electronic Modules & Components	Total	Pharmaceuticals	Medical Technology	Total	Petroleum	Petrochemicals	Specialties	Others	
2019=100														
2019	Oct	121.2	127.0	86.8	84.7	86.4	81.8	69.6	115.6	92.8	107.9	85.6	94.2	105.1
	Nov	88.0	87.4	90.9	90.0	95.8	72.2	62.9	97.7	88.7	104.8	78.0	100.6	97.4
	Dec	92.6	88.8	97.2	139.4	124.2	90.6	84.1	108.5	97.0	109.8	95.4	97.9	94.1
2020	Jan	111.2	114.6	89.6	90.2	91.9	135.1	149.4	95.9	104.0	109.0	107.1	104.2	91.5
	Feb	83.2	82.9	90.4	67.6	98.6	85.6	83.6	91.1	101.5	99.8	102.2	103.9	97.0
	Mar	93.8	92.3	93.5	110.0	114.2	181.3	206.3	112.4	104.7	102.7	104.3	112.8	96.0
	Apr	117.7	123.4	81.9	85.6	83.3	176.9	206.3	95.8	96.6	92.2	91.8	103.6	104.6
	May	93.2	93.8	96.7	80.2	86.6	102.1	111.6	75.9	93.9	91.0	99.5	95.3	76.2
	Jun	100.3	99.8	84.7	133.0	105.8	110.2	114.9	97.2	89.1	71.4	101.7	74.2	79.3
	Jul	126.4	133.2	89.8	78.5	86.8	77.5	70.8	95.8	99.0	70.8	106.8	90.5	101.0
	Aug	120.2	124.0	111.6	73.9	98.0	131.9	141.7	104.9	103.4	74.0	107.5	107.3	100.6
	Sep	126.7	128.9	123.7	100.5	108.2	209.0	240.8	121.4	96.6	70.1	92.7	115.6	96.6
	Oct	120.9	125.0	102.2	83.1	100.2	91.1	80.0	121.9	92.0	72.9	88.5	105.1	95.3
	Nov	119.9	124.5	95.6	82.2	98.4	107.2	97.2	134.8	97.4	71.6	97.6	108.4	95.7
	Dec	135.5	138.4	106.6	131.3	124.8	84.7	65.6	137.3	109.0	76.9	112.7	113.8	107.4
2021	Jan	135.5	144.2	108.5	73.9	100.8	125.7	127.9	111.6	113.0	76.7	117.6	116.9	113.0
	Feb	109.0	113.2	97.0	69.7	96.1	104.4	97.7	99.8	104.1	74.5	108.6	112.7	93.8
	Mar	130.2	131.2	131.9	103.1	122.0	162.7	173.9	137.6	114.9	85.3	127.0	125.6	86.6
	Apr	127.3	131.3	117.8	87.7	110.0	136.3	155.1	107.5	110.5	83.5	118.3	119.3	92.9
	May	115.7	118.0	110.0	87.0	105.7	138.3	153.7	112.0	108.9	91.4	119.3	118.5	81.0
	Jun	129.2	130.1	111.6	118.5	138.8	158.2	163.0	138.8	116.6	94.4	123.4	114.5	116.2
	Jul	130.9	135.1	109.3	98.0	123.8	136.9	151.3	111.7	93.5	91.0	113.3	67.7	97.3
	Aug	139.2	144.8	118.8	94.3	122.0	129.7	133.6	113.8	104.1	90.4	106.8	107.6	99.2
	Sep	135.8	137.5	126.5	105.8	144.6	133.9	129.4	124.4	108.5	88.4	109.9	113.6	106.2
	Oct*	128.8	129.9	130.7	101.4	118.2	142.3	154.6	118.2	106.1	84.3	103.5	114.9	106.4

* Preliminary

TABLE 3 : MONTHLY INDEX OF INDUSTRIAL PRODUCTION BY INDUSTRY CLUSTER, OCTOBER 2019 TO OCTOBER 2021 (Continued)

Period	Precision Engineering			Transport Engineering				General Manufacturing Industries				Total Manu- facturing	Manufacturing excluding Biomedical Manufacturing	
	Total	Machinery & Systems	Precision Modules & Components	Total	Marine & Offshore Engineering	Aerospace	Land	Total	Printing	Food, Beverages & Tobacco	Miscella- neous Industries			
2019=100														
2019	Oct	112.9	111.6	115.9	103.4	93.4	109.0	111.3	106.3	105.4	104.4	108.9	106.7	112.1
	Nov	100.7	98.1	106.9	100.6	101.8	100.4	97.4	104.6	111.4	100.6	107.9	89.4	93.1
	Dec	119.5	125.5	105.1	109.5	121.8	96.9	128.1	91.4	103.1	78.7	104.9	97.8	99.4
2020	Jan	107.4	110.9	99.1	86.8	78.7	94.5	77.7	96.4	89.4	94.8	100.5	110.8	105.5
	Feb	85.5	81.2	96.0	94.9	88.5	100.5	90.4	93.4	94.3	93.1	93.5	88.1	88.6
	Mar	130.0	144.0	96.6	108.1	101.9	109.7	122.2	101.7	90.2	104.1	101.8	117.7	103.8
	Apr	113.3	123.0	89.9	68.0	71.9	66.8	59.8	78.0	75.3	87.1	66.9	117.7	104.8
	May	86.0	90.5	75.2	53.6	43.6	59.8	57.8	73.0	62.4	87.6	56.6	89.0	86.2
	Jun	118.4	130.3	89.8	64.3	52.0	68.4	87.9	82.3	69.6	94.7	69.5	98.8	96.3
	Jul	111.8	119.7	93.1	60.9	44.2	69.6	76.8	82.5	81.2	93.7	68.1	103.3	108.9
	Aug	99.8	98.4	103.1	62.5	50.4	62.1	106.4	86.6	82.5	91.8	81.0	109.9	105.1
	Sep	108.2	111.5	100.4	73.5	62.4	69.6	131.7	90.3	85.8	90.8	90.8	127.7	110.0
	Oct	125.1	130.1	113.2	70.5	57.9	68.0	126.7	94.9	87.6	94.7	97.3	106.2	109.5
	Nov	107.2	105.9	110.2	72.5	71.6	62.2	126.3	89.6	91.1	82.9	98.1	106.7	106.6
	Dec	133.5	142.2	112.7	75.0	83.8	56.7	133.4	95.2	104.5	84.5	106.8	114.5	121.0
2021	Jan	127.0	135.8	108.0	69.4	65.2	66.0	105.1	97.4	83.6	95.5	105.0	121.5	119.3
	Feb	101.0	103.5	93.3	74.4	74.6	68.3	109.3	86.8	65.9	86.6	93.9	103.0	101.5
	Mar	142.1	162.1	104.5	86.6	82.4	80.6	139.3	101.5	82.3	96.2	115.8	128.6	122.3
	Apr	136.5	155.8	100.1	80.1	66.0	82.3	120.2	91.3	74.1	84.4	107.1	121.0	117.4
	May	114.8	121.6	99.6	78.1	77.4	72.5	112.4	92.1	67.2	82.6	114.4	113.3	108.5
	Jun	143.9	166.0	102.6	81.1	71.8	79.9	123.9	96.3	65.2	91.5	113.2	126.8	120.9
	Jul	134.6	151.6	102.2	80.9	67.2	86.3	96.0	92.4	69.0	86.0	109.4	120.3	116.5
	Aug	122.0	129.5	105.4	77.9	69.4	76.7	116.7	92.5	69.2	86.9	108.3	122.3	119.7
	Sep	141.9	155.5	114.7	83.6	69.3	85.6	126.6	89.0	73.2	76.5	113.0	124.9	122.1
	Oct*	136.5	155.6	100.5	95.3	102.9	86.3	113.9	95.7	80.4	84.9	117.0	124.2	120.2

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