38.1 VALUE OF PRODUCTION INDEX (VaPI) OF KEY MANUFACTURING ENTERPRISES, BY INDUSTRY, YEAR-ON-YEAR GROWTH RATES

2018 = 100

for periods indicated

	2019	2020	2021	2020											
				Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Total Manufacturing	**-10.9**	**-43.0**	**47.2**	**-6.8**	**-2.7**	**-25.0**	**-66.6**	**-74.4**	**-81.7**	**-74.1**	**-83.1**	**-59.0**	**-28.9**	**-25.4**	**-18.0**
Manufacture of food products	**0.7**	**-6.9**	**17.3**	2.3	12.2	-4.2	-18.0	-15.5	-10.6	-13.3	-10.8	-5.8	-9.1	-3.8	-4.9
Manufacture of beverages	**10.4**	**-14.2**	**-3.1**	0.3	7.2	-17.9	-64.3	-29.2	-16.9	-16.6	-8.6	-4.2	-5.4	-15.6	0.2
Manufacture of tobacco products	**17.8**	**-40.9**	**-43.0**	-13.0	-24.1	-52.9	-69.0	-30.9	-32.2	-39.7	-37.4	-45.9	-45.3	-53.0	-43.8
Manufacture of textiles	**-0.8**	**-32.9**	**8.3**	-2.7	-9.5	-38.6	-83.3	-54.0	-33.4	-33.5	-33.9	-33.7	-32.6	-24.9	-16.5
Manufacture of wearing apparel	**4.6**	**-40.5**	**2.8**	-14.7	-17.5	-38.7	-89.2	-72.6	-39.2	-33.0	-39.4	-35.7	-43.3	-31.4	-34.4
Manufacture of leather and related products, including footwear	**-4.0**	**-48.2**	**13.9**	-28.2	-28.3	-58.8	-74.3	-74.3	-51.4	-48.3	-51.6	-39.1	-39.9	-41.2	-43.2
Manufacture of wood, bamboo, cane, rattan articles and related products	**17.4**	**-37.2**	**27.9**	-39.4	-25.8	-12.4	-55.3	-69.4	-43.3	-17.4	-36.4	-29.9	-19.6	-31.1	-61.2
Manufacture of paper and paper products	**10.6**	**-13.5**	**11.0**	-10.0	-6.0	-27.6	-39.9	-27.7	-12.4	-10.0	-11.4	-10.0	-13.6	-5.4	15.6
Printing and reproduction of recorded media	**81.3**	**-28.4**	**-4.2**	40.0	42.1	-6.6	-69.5	-16.6	-62.2	-39.1	-40.9	-28.6	-35.7	-42.7	-13.7
Manufacture of coke and refined petroleum products	**-43.4**	**-44.8**	**33.2**	-12.7	-2.0	-9.5	-20.6	-91.5	-95.0	-83.0	-94.5	-91.5	-73.4	-65.5	-47.4
Manufacture of chemical and chemical products	**-4.5**	**-7.7**	**3.9**	-8.5	-0.7	-17.9	-45.5	-30.8	-14.0	-9.4	7.6	8.9	6.2	11.7	3.6
Manufacture of basic pharmaceutical products and pharmaceutical preparations	**6.4**	**1.1**	**-18.7**	59.1	23.8	16.9	18.7	-12.7	-25.6	-0.2	1.5	-9.1	-8.7	-18.9	4.7
Manufacture of rubber and plastic products	**7.9**	**-16.0**	**5.3**	-4.7	16.3	-32.8	-66.6	-38.6	-15.5	-16.9	-16.1	-3.3	-8.4	-5.0	3.6
Manufacture of other non-metallic mineral products	**11.0**	**-27.4**	**37.0**	-4.7	-2.0	-36.8	-74.6	-49.3	-25.8	-2.3	-22.6	-19.9	-31.5	-34.7	-22.5
Manufacture of basic metals	**-17.0**	**-13.5**	**21.1**	-2.9	-12.8	-18.6	-85.6	-54.3	-1.9	-8.7	-5.4	26.5	19.2	9.3	-4.1
Manufacture of fabricated metal products, except machinery and equipment	**26.8**	**-16.5**	**35.5**	26.1	22.7	-25.5	-72.3	-46.1	-5.2	-9.3	-22.3	-13.6	-5.0	-15.9	-16.2
Manufacture of computer, electronic and optical products	**-4.6**	**-26.7**	**16.7**	-8.9	-3.5	-27.3	-53.9	-44.1	-32.9	-31.5	-30.4	-24.6	-19.7	-24.2	-16.2
Manufacture of electrical equipment	**-3.5**	**-32.4**	**56.3**	-34.6	-21.5	-42.5	-73.4	-45.1	-27.7	-20.8	-21.9	-24.7	-22.8	-26.8	-26.6
Manufacture of machinery and equipment except electrical	**45.5**	**-41.3**	**4.1**	40.1	-1.5	-34.5	-58.4	-57.4	-50.6	-58.8	-48.0	-44.1	-51.6	-47.8	-49.2
Manufacture of transport equipment	**-2.9**	**-33.8**	**7.9**	-20.3	-18.3	-42.4	-83.1	-72.1	-39.6	-49.3	-24.4	-19.0	-17.2	-10.9	6.4
Manufacture of furniture	**6.7**	**-22.9**	**9.1**	15.7	3.0	-26.7	-83.2	-48.3	-17.0	7.3	-29.4	-31.8	-13.6	-24.5	-30.2
Other manufacturing and repair and installation of machinery and equipment	**-20.6**	**-11.8**	**8.4**	-10.7	-9.6	-25.5	-71.1	-45.8	-12.7	20.5	2.2	2.2	8.1	12.1	-7.3

[r] revised

[p] preliminary

- not available

Note: The 2020 annual percentage changes were based on the Monthly Integrated Survey of Selected Industries (MISSI) Report as of February 2022.

Source: Philippine Statistics Authority (PSA)

38.1 VALUE OF PRODUCTION INDEX (VaPI) OF KEY MANUFACTURING ENTERPRISES, BY INDUSTRY, YEAR-ON-YEAR GROWTH RATES (CONT'D)

2018 = 100

for periods indicated

	2021												2022	
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb p
Total Manufacturing	**-19.5**	**-47.0**	**-74.1**	**144.7**	**247.5**	**434.6**	**524.0**	**524.9 r**	**122.3 r**	**26.4 r**	**28.6 r**	**19.4 r**	**21.8 r**	**92.4**
Manufacture of food products	1.9	-5.9	24.8	42.6	22.6	15.6	5.6	9.0 r	16.5 r	21.9 r	25.2 r	36.0 r	16.6 r	26.8
Manufacture of beverages	-10.9	-17.5	5.4	128.1	8.8	2.9	-12.7	-15.4	-10.1	-17.7	2.1	-11.8	11.3 r	7.4
Manufacture of tobacco products	-67.4	-64.4	-37.5	-0.6	-67.4	-46.5	-39.5	-38.1	-37.8	-41.2	-19.7	-13.8	71.5 r	88.1
Manufacture of textiles	-38.9	-26.1	4.4	256.6	99.5	-1.6	7.1	1.8	11.1	22.9	3.0	18.5 r	34.7 r	19.3
Manufacture of wearing apparel	-26.5	-34.7	-5.3	472.4	117.8	8.1	-3.7	-7.7	2.3	3.7	-8.9	-2.4 r	-30.2 r	-3.5
Manufacture of leather and related products, including footwear	-19.0	-28.1	61.3	118.6	145.8	39.0	4.5	4.7	2.9	1.3	-0.2	2.2	-5.4 r	34.6
Manufacture of wood, bamboo, cane, rattan articles and related products	-60.6	13.2	15.1	132.9	224.5	63.8	19.6	70.0	16.6	0.1	57.4	82.9	69.9 r	-2.1
Manufacture of paper and paper products	-3.3	-7.8	35.6	62.0	32.5	11.8	4.5	12.5	5.1	9.9	4.3	-5.4 r	5.4 r	17.5
Printing and reproduction of recorded media	-21.6	-24.0	6.9	246.1	-46.1	38.7	-5.0	7.9	-18.7	-7.0	12.6	-1.9 r	5.8 r	9.7
Manufacture of coke and refined petroleum products	-53.0	-88.7	-97.4	-24.3	1475.4	3231.3	4109.3	4396.8	888.2	167.2	123.5	75.2 r	67.2 r	874.9
Manufacture of chemical and chemical products	5.7	-18.3	11.6	72.0	28.1	17.5	-4.8	-9.0 r	-12.1 r	-0.3 r	7.9 r	-8.8 r	21.5 r	57.5
Manufacture of basic pharmaceutical products and pharmaceutical preparations	-27.4	-26.6	-29.1	-25.9	-5.4	9.0	13.6	-24.5	-23.2	-23.3	-8.6	-30.3 r	41.9 r	5.6
Manufacture of rubber and plastic products	-12.2	-22.6	26.4	143.3	38.7	8.4	8.1	0.2	-3.2	-3.4	-0.9	-8.6 r	5.3 r	5.3
Manufacture of other non-metallic mineral products	-12.8	-4.5	55.9	293.6	107.5	33.5	3.2	34.5	30.1	42.8	56.5	36.5 r	8.4 r	23.7
Manufacture of basic metals	-24.5	-19.7	8.1	636.8	122.6	10.8	6.1	11.2 r	23.9 r	19.6 r	22.9 r	16.3 r	30.4 r	27.6
Manufacture of fabricated metal products, except machinery and equipment	19.5	2.7	45.7	307.5	101.3	32.0	18.2	24.0	28.0	17.3 r	28.3	30.1 r	7.1 r	18.3
Manufacture of computer, electronic and optical products	-15.1	-15.6	12.8	65.0	49.0	25.0	27.8	28.5	11.1	17.4	25.6 r	10.5 r	20.1 r	22.7
Manufacture of electrical equipment	30.2	21.8	85.6	254.4	74.3	51.2	40.2	34.2	55.4	50.3	53.5	62.0 r	-23.8 r	-26.2
Manufacture of machinery and equipment except electrical	-37.3	-37.4	-11.8	38.6	10.2	21.3	26.9	17.7	5.5	23.9	36.5	43.2	42.4 r	41.5
Manufacture of transport equipment	-11.4	-21.7	21.8	314.3	121.4	17.1	19.2	-3.8	-6.5	-14.9	-4.1 r	-10.7 r	1.6 r	4.0
Manufacture of furniture	-33.4	-53.8	15.3	508.2	88.5	11.6	-11.4	20.2	35.7	0.6	16.1	-3.0	10.9	93.4
Other manufacturing and repair and installation of machinery and equipment	-2.3	-13.5	12.8	232.9	65.4	8.2	-17.6	-2.7	-4.7	3.4	-5.9	20.6 r	18.3 r	18.1

r revised

p preliminary

- not available

Note: The 2020 annual percentage changes were based on the Monthly Integrated Survey of Selected Industries (MISSI) Report as of February 2022.

Source: Philippine Statistics Authority (PSA)