## 39.1 VOLUME OF PRODUCTION INDEX (VoPI) 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 | **-8.8** | **-40.5** | **52.9** | **-3.4** | **0.2** | **-20.3** | **-64.8** | **-73.2** | **-80.6** | **-72.8** | **-82.2** | **-56.7** | **-25.4** | **-21.8** | **-14.8** |
| Manufacture of food products | **2.5** | **-6.6** | **16.0** | 4.9 | 14.0 | -3.2 | -17.5 | -15.2 | -10.0 | -12.5 | -10.6 | -5.6 | -10.0 | -4.8 | -6.5 |
| Manufacture of beverages | **11.4** | **-15.8** | **-2.3** | -0.4 | 6.1 | -19.8 | -65.0 | -30.2 | -18.6 | -18.2 | -10.5 | -6.2 | -7.5 | -17.5 | -2.1 |
| Manufacture of tobacco products | **10.9** | **-41.8** | **1.5** | -18.0 | -26.6 | -54.5 | -69.6 | -33.0 | -32.6 | -39.6 | -37.1 | -46.0 | -45.8 | -53.6 | -44.5 |
| Manufacture of textiles | **1.8** | **-30.9** | **5.5** | 5.2 | -4.6 | -34.6 | -83.2 | -52.4 | -33.1 | -32.4 | -33.0 | -32.1 | -31.1 | -23.4 | -15.1 |
| Manufacture of wearing apparel | **10.7** | **-37.7** | **5.2** | -6.0 | -12.5 | -34.0 | -88.1 | -70.9 | -38.5 | -30.9 | -35.9 | -33.8 | -41.7 | -30.7 | -32.7 |
| Manufacture of leather and related products, including footwear | **2.1** | **-47.5** | **13.8** | -25.6 | -26.5 | -57.2 | -73.3 | -73.7 | -51.6 | -47.3 | -50.7 | -38.7 | -41.0 | -42.2 | -43.2 |
| Manufacture of wood, bamboo, cane, rattan articles and related products | **21.8** | **-34.1** | **42.0** | -34.4 | -21.0 | -3.7 | -52.0 | -66.3 | -37.8 | -15.3 | -33.2 | -28.3 | -19.3 | -31.8 | -61.3 |
| Manufacture of paper and paper products | **8.8** | **-9.1** | **12.3** | -9.0 | -4.3 | -25.3 | -36.9 | -22.9 | -6.3 | -4.6 | -6.1 | -3.5 | -8.7 | -0.2 | 22.2 |
| Printing and reproduction of recorded media | **78.4** | **-31.3** | **-3.0** | 33.8 | 35.8 | -10.3 | -70.7 | -19.9 | -63.7 | -41.5 | -43.3 | -31.4 | -38.3 | -45.0 | -17.1 |
| Manufacture of coke and refined petroleum products | **-43.4** | **-33.5** | **33.6** | -17.7 | -8.1 | 22.3 | 12.9 | -88.6 | -93.4 | -77.5 | -92.7 | -87.8 | -62.7 | -50.7 | -26.3 |
| Manufacture of chemical and chemical products | **-1.0** | **-3.8** | **0.6** | -3.2 | 4.7 | -15.5 | -44.3 | -27.5 | -8.9 | -4.2 | 13.5 | 11.7 | 10.6 | 14.7 | 5.3 |
| Manufacture of basic pharmaceutical products and pharmaceutical preparations | **29.4** | **4.1** | **-19.0** | 52.3 | 29.8 | 19.6 | 22.5 | -9.4 | -23.7 | 2.8 | 4.6 | -6.8 | -4.6 | -15.5 | 8.1 |
| Manufacture of rubber and plastic products | **6.1** | **-15.0** | **1.3** | -2.8 | 18.2 | -32.1 | -66.1 | -37.8 | -14.2 | -16.3 | -15.1 | -2.1 | -7.3 | -4.2 | 4.4 |
| Manufacture of other non-metallic mineral products | **5.6** | **-26.6** | **40.9** | -3.9 | -0.3 | -35.5 | -74.4 | -49.0 | -26.0 | -0.7 | -22.1 | -18.4 | -30.5 | -34.2 | -22.1 |
| Manufacture of basic metals | **-6.4** | **-6.0** | **15.4** | 11.6 | -1.6 | -4.4 | -83.7 | -51.4 | 6.3 | -2.7 | -2.3 | 31.5 | 28.1 | 14.3 | 1.0 |
| Manufacture of fabricated metal products, except machinery and equipment | **27.8** | **-14.4** | **36.0** | 30.9 | 26.5 | -22.6 | -71.0 | -45.1 | -2.8 | -6.4 | -20.0 | -12.5 | -4.7 | -14.3 | -14.8 |
| Manufacture of computer, electronic and optical products | **-2.9** | **-24.0** | **36.2** | -3.0 | 0.2 | -25.6 | -53.1 | -42.4 | -28.9 | -29.0 | -26.8 | -20.9 | -17.1 | -21.8 | -15.1 |
| Manufacture of electrical equipment | **-6.0** | **-31.1** | **52.5** | -34.6 | -21.1 | -42.1 | -73.2 | -44.5 | -26.5 | -19.3 | -19.9 | -22.1 | -20.6 | -24.5 | -24.6 |
| Manufacture of machinery and equipment except electrical | **48.9** | **-40.7** | **11.2** | 41.6 | -0.6 | -33.7 | -58.4 | -57.6 | -49.6 | -58.6 | -46.2 | -43.1 | -51.3 | -46.0 | -48.1 |
| Manufacture of transport equipment | **2.6** | **-29.7** | **8.1** | -13.9 | -11.2 | -36.0 | -82.6 | -71.0 | -36.5 | -46.8 | -18.2 | -14.5 | -13.9 | -6.3 | 10.2 |
| Manufacture of furniture | **9.3** | **-17.6** | **13.1** | 23.9 | 9.9 | -20.4 | -82.3 | -45.0 | -12.3 | 14.6 | -23.3 | -26.7 | -7.3 | -19.4 | -25.8 |
| Other manufacturing and repair and installation of machinery and equipment | **-23.1** | **-10.1** | **10.8** | -8.5 | -6.9 | -25.4 | -71.2 | -45.7 | -11.8 | 21.7 | 5.0 | 4.9 | 11.3 | 14.7 | -5.4 |

[e/] less than 0.05 percent decrease
[r] revised
[p] preliminary
- not available

Source: Philippine Statistics Authority (PSA)

**39.1 VOLUME OF PRODUCTION INDEX (VoPI) 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 | Mar | Apr p |
| Total Manufacturing | **-12.2** | **-42.8** | **-73.1** | **157.8** | **267.2** | **448.2** | **534.4** | **533.7** | **124.3** | **27.0 r** | **28.6 r** | **21.4 r** | **14.8 r** | **77.3 r** | **352.3 r** | **3.4** |
| Manufacture of food products | 2.2 | -5.8 | 25.2 | 43.3 | 22.5 | 15.0 | 4.4 | 7.1 | 13.5 | 19.1 | 21.6 | 31.6 r | 13.4 r | 23.3 r | 1.9 r | 7.5 |
| Manufacture of beverages | -13.7 | -19.9 | 3.6 | 124.1 | 5.9 | 0.8 | -14.6 | -17.2 | -11.8 | -20.0 | -0.8 | 15.4 r | 25.7 r | 22.9 r | 24.2 r | 29.2 |
| Manufacture of tobacco products | -24.8 | -13.3 | 43.6 | 110.0 | -24.5 | -13.1 | -4.8 | 0.3 | -3.5 | -4.1 r | 27.6 r | 24.6 r | -18.9 r | 4.6 r | 17.4 r | 14.7 |
| Manufacture of textiles | -38.1 | -25.2 | 5.3 | 253.0 | 90.1 | -4.6 | 3.4 | -1.7 | 6.2 | 17.0 | -2.4 | 12.7 | 26.5 r | 29.1 r | 24.0 r | 45.6 |
| Manufacture of wearing apparel | -23.6 | -30.5 | 0.9 | 502.7 | 126.2 | 14.1 | -5.0 | -8.8 | 2.1 | 3.1 | -9.1 | -1.7 r | -32.5 r | -2.8 r | 6.0 r | 6.1 |
| Manufacture of leather and related products, including footwear | -17.7 | -26.3 | 63.0 | 121.2 | 151.2 | 37.3 | 4.3 | 4.1 | 2.3 | -0.5 | -1.8 | 0.3 | -6.9 | 31.5 r | -5.2 r | 17.0 |
| Manufacture of wood, bamboo, cane, rattan articles and related products | -58.5 | 23.0 | 23.9 | 145.8 | 249.6 | 77.9 | 31.2 | 94.0 | 30.2 | 16.2 | 83.9 | 110.3 | 102.0 | 35.4 r | 35.4 r | 13.3 |
| Manufacture of paper and paper products | 4.0 | -2.7 | 41.4 | 65.5 | 33.5 | 11.5 | 4.3 | 11.5 | 4.0 | 9.0 | 2.7 | -6.7 r | 4.1 r | 18.4 r | 3.9 r | 6.4 |
| Printing and reproduction of recorded media | -21.2 | -24.5 | 6.9 | 247.5 | -44.9 | 41.4 | -2.4 | 9.4 | -17.6 | -5.7 | 14.1 | -0.5 | -10.5 | -10.7 | -11.8 r | -17.3 |
| Manufacture of coke and refined petroleum products | -35.6 | -84.8 | -97.5 | -32.3 | 1367.9 | 2945.5 | 3598.2 | 3799.1 | 738.0 | 124.9 | 84.4 | 47.3 | 44.6 r | 479.6 r | 2242.3 r | -9.0 |
| Manufacture of chemical and chemical products | 8.4 | -17.5 | 15.0 | 75.0 | 25.2 | 12.3 | -10.3 | -15.8 | -17.4 | -6.6 | 1.4 r | -13.4 r | 16.6 r | 44.0 r | 28.3 r | 33.7 |
| Manufacture of basic pharmaceutical products and pharmaceutical preparations | -28.3 | -27.2 | -28.0 | -25.8 | -6.3 | 10.4 | 13.4 | -24.7 | -23.2 | -25.0 | -10.4 | -30.5 | 31.9 r | 2.1 r | -5.2 r | -11.8 |
| Manufacture of rubber and plastic products | -12.6 | -23.1 | 24.6 | 136.1 | 33.3 | 3.9 | 2.8 | -4.6 | -8.3 | -8.5 | -6.3 | -13.0 | 7.5 r | 7.8 r | 17.9 r | 9.5 |
| Manufacture of other non-metallic mineral products | -8.7 | -1.0 | 62.2 | 309.9 | 116.4 | 39.1 | 6.4 | 38.9 | 32.6 | 42.7 | 56.7 | 37.8 r | 5.3 r | 23.4 r | -5.8 r | -6.8 |
| Manufacture of basic metals | -23.0 | -19.0 | 6.7 | 611.2 | 112.4 | 4.1 | -0.8 | 7.4 | 17.0 | 8.5 r | 13.9 | 6.8 r | 10.6 r | 13.6 r | -3.0 r | -5.7 |
| Manufacture of fabricated metal products, except machinery and equipment | 21.5 | 6.0 | 49.8 | 323.7 | 99.1 | 28.6 | 14.5 | 24.5 | 28.2 | 17.3 | 30.4 | 26.1 | 10.5 r | 24.8 r | 29.1 r | 22.9 |
| Manufacture of computer, electronic and optical products | -3.1 | -3.2 | 33.2 | 97.4 | 80.5 | 44.5 | 49.5 | 49.8 | 30.1 | 36.7 | 43.2 | 28.2 | 23.3 r | 25.9 r | 16.8 r | 12.6 |
| Manufacture of electrical equipment | 31.9 | 23.0 | 86.3 | 254.9 | 75.3 | 49.6 | 36.4 | 29.2 | 47.4 | 42.3 | 45.1 | 53.4 | -32.4 r | -24.9 r | -30.5 r | -28.1 |
| Manufacture of machinery and equipment except electrical | -33.5 | -32.8 | -5.6 | 52.0 | 27.6 | 36.6 | 36.6 | 22.1 | 8.2 | 25.7 | 40.7 | 49.5 | 44.2 r | 39.5 r | 48.4 r | 39.2 |
| Manufacture of transport equipment | -9.8 | -19.8 | 23.4 | 325.6 | 125.0 | 17.4 | 19.1 | -4.7 | -8.0 | -15.7 | -5.5 | -11.8 | -3.7 r | -1.3 r | -11.0 r | -11.5 |
| Manufacture of furniture | -27.2 | -50.4 | 22.9 | 543.9 | 96.9 | 16.4 | -10.0 | 22.1 | 37.0 | 1.3 | 17.2 | -2.4 | 14.5 r | 69.4 r | -1.6 r | -14.5 |
| Other manufacturing and repair and installation of machinery and equipment | 0.8 | -13.4 | 18.3 | 247.0 | 74.2 | 11.3 | -15.5 | -0.7 | -3.4 | 3.5 | -4.6 | 23.0 | 8.8 r | 15.0 r | 24.2 r | 6.7 |

r revised
p preliminary
- not available

Source: Philippine Statistics Authority (PSA)