

January - March 2024 Results
Production and Shipments of Manipulators and Robots by Applications
[JARA Member Companies]

Number of units, () : million yen

| | January - March 2023 | January - March 2024 | Change from 2023 |
|-------------------|----------------------|----------------------|--------------------|
| Orders | 56,604 (208,155) | 36,859 (158,234) | -34.9% (-24.0%) |
| Production | 58,722 (216,815) | 38,353 (162,607) | -34.7% (-25.0%) |

| Shipments Applications | January - March 2023 | | | January - March 2024 | | | Change from 2023 | | | January - March 2023 (percentage distribution) | | | January - March 2024 (percentage distribution) | | |
|----------------------------------|----------------------|-----------|-----------|----------------------|-----------|-----------|--------------------|----------|----------|---|----------|----------|---|----------|----------|
| | Domestic shipments | Exports | Total | Domestic shipments | Exports | Total | Domestic shipments | Exports | Total | Domestic shipments | Exports | Total | Domestic shipments | Exports | Total |
| Plastic moulding | 781 | 796 | 1,577 | 709 | 592 | 1,301 | -9.2% | -25.6% | -17.5% | 6.3% | 1.7% | 2.7% | 6.6% | 2.0% | 3.2% |
| Arc welding | 1,040 | 4,277 | 5,317 | 1,032 | 3,724 | 4,756 | -0.8% | -12.9% | -10.6% | 8.3% | 9.1% | 9.0% | 9.6% | 12.5% | 11.7% |
| Spot welding | 580 | 5,185 | 5,765 | 577 | 2,984 | 3,561 | -0.5% | -42.4% | -38.2% | 4.6% | 11.1% | 9.7% | 5.4% | 10.0% | 8.8% |
| Laser welding | 7 | 409 | 416 | 13 | 67 | 80 | 85.7% | -83.6% | -80.8% | 0.1% | 0.9% | 0.7% | 0.1% | 0.2% | 0.2% |
| Others | 10 | 39 | 49 | 6 | 7 | 13 | -40.0% | -82.1% | -73.5% | 0.1% | 0.1% | 0.1% | 0.1% | 0.0% | 0.0% |
| Welding Units | 1,637 | 9,910 | 11,547 | 1,628 | 6,782 | 8,410 | -0.5% | -31.6% | -27.2% | 13.1% | 21.1% | 19.5% | 15.1% | 22.8% | 20.7% |
| (million yen) | (7,978) | (24,069) | (32,047) | (8,016) | (16,897) | (24,913) | (0.5%) | (-29.8%) | (-22.3%) | (14.4%) | (14.6%) | (14.5%) | (15.1%) | (14.1%) | (14.4%) |
| Painting | 190 | 587 | 777 | 165 | 440 | 605 | -13.2% | -25.0% | -22.1% | 1.5% | 1.3% | 1.3% | 1.5% | 1.5% | 1.5% |
| Loading/unloading | 573 | 3,690 | 4,263 | 319 | 1,830 | 2,149 | -44.3% | -50.4% | -49.6% | 4.6% | 7.9% | 7.2% | 3.0% | 6.1% | 5.3% |
| Mechanical cutting | 9 | 5 | 14 | 4 | 1 | 5 | -55.6% | -80.0% | -64.3% | 0.1% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Grinding/deburring | 54 | 86 | 140 | 41 | 84 | 125 | -24.1% | -2.3% | -10.7% | 0.4% | 0.2% | 0.2% | 0.4% | 0.3% | 0.3% |
| Others | 12 | 35 | 47 | 9 | 3 | 12 | -25.0% | -91.4% | -74.5% | 0.1% | 0.1% | 0.1% | 0.1% | 0.0% | 0.0% |
| Machining Units | 648 | 3,816 | 4,464 | 373 | 1,918 | 2,291 | -42.4% | -49.7% | -48.7% | 5.2% | 8.1% | 7.5% | 3.5% | 6.4% | 5.7% |
| (million yen) | (1,990) | (6,894) | (8,884) | (1,481) | (4,054) | (5,535) | (-25.6%) | (-41.2%) | (-37.7%) | (3.6%) | (4.2%) | (4.0%) | (2.8%) | (3.4%) | (3.2%) |
| Surface Mount Technology | 305 | 2,680 | 2,985 | 302 | 2,419 | 2,721 | -1.0% | -9.7% | -8.8% | 2.4% | 5.7% | 5.0% | 2.8% | 8.1% | 6.7% |
| General Assembly | 2,120 | 4,110 | 6,230 | 1,769 | 4,705 | 6,474 | -16.6% | 14.5% | 3.9% | 17.0% | 8.8% | 10.5% | 16.4% | 15.8% | 16.0% |
| Other Assembly | 191 | 627 | 818 | 208 | 487 | 695 | 8.9% | -22.3% | -15.0% | 1.5% | 1.3% | 1.4% | 1.9% | 1.6% | 1.7% |
| Bonding | | | | | | | | | | 0.0% | | 0.0% | 0.0% | | 0.0% |
| Soldering | 3 | | 3 | 3 | | 3 | | | | 0.0% | | 0.0% | 0.0% | | 0.0% |
| Sealing/glueing | 41 | 452 | 493 | 65 | 290 | 355 | 58.5% | -35.8% | -28.0% | 0.3% | 1.0% | 0.8% | 0.6% | 1.0% | 0.9% |
| Screwing | 4 | | 4 | 22 | 1 | 23 | 450.0% | | 475.0% | 0.0% | | 0.0% | 0.2% | 0.0% | 0.1% |
| Others | 143 | 175 | 318 | 118 | 196 | 314 | -17.5% | 12.0% | -1.3% | 1.1% | 0.4% | 0.5% | 1.1% | 0.7% | 0.8% |
| Assembly Units | 2,311 | 4,737 | 7,048 | 1,977 | 5,192 | 7,169 | -14.5% | 9.6% | 1.7% | 18.5% | 10.1% | 11.9% | 18.4% | 17.4% | 17.7% |
| (million yen) | (6,769) | (6,595) | (13,364) | (6,374) | (6,767) | (13,141) | (-5.8%) | (2.6%) | (-1.7%) | (12.2%) | (4.0%) | (6.1%) | (12.0%) | (5.6%) | (7.6%) |
| Palletizing/depalletizing | 469 | 1,128 | 1,597 | 399 | 399 | 798 | -14.9% | -64.6% | -50.0% | 3.8% | 2.4% | 2.7% | 3.7% | 1.3% | 2.0% |
| Material handling | 2,369 | 16,285 | 18,654 | 2,159 | 6,257 | 8,416 | -8.9% | -61.6% | -54.9% | 19.0% | 34.7% | 31.4% | 20.1% | 21.0% | 20.8% |
| FPD | 12 | 66 | 78 | 28 | 41 | 69 | 133.3% | -37.9% | -11.5% | 0.1% | 0.1% | 0.1% | 0.3% | 0.1% | 0.2% |
| Semiconductor | 2,805 | 3,093 | 5,898 | 2,348 | 2,159 | 4,507 | -16.3% | -30.2% | -23.6% | 22.5% | 6.6% | 9.9% | 21.8% | 7.3% | 11.1% |
| Others | | 90 | 90 | | 155 | 155 | | | | | 0.2% | 0.2% | | 0.5% | 0.4% |
| Cleanroom Units | 2,817 | 3,249 | 6,066 | 2,376 | 2,355 | 4,731 | -15.7% | -27.5% | -22.0% | 22.6% | 6.9% | 10.2% | 22.1% | 7.9% | 11.7% |
| (million yen) | (9,106) | (9,872) | (18,979) | (7,549) | (7,908) | (15,458) | (-17.1%) | (-19.9%) | (-18.6%) | (16.5%) | (6.0%) | (8.6%) | (14.2%) | (6.6%) | (8.9%) |
| Other applications | 727 | 1,352 | 2,079 | 469 | 859 | 1,328 | -35.5% | -36.5% | -36.1% | 5.8% | 2.9% | 3.5% | 4.4% | 2.9% | 3.3% |
| Unspecified | 227 | 2,328 | 2,555 | 206 | 2,559 | 2,765 | -9.3% | 9.9% | 8.2% | 1.8% | 5.0% | 4.3% | 1.9% | 8.6% | 6.8% |
| Total Units | 12,481 | 46,868 | 59,349 | 10,763 | 29,772 | 40,535 | -13.8% | -36.5% | -31.7% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |
| (million yen) | (55,284) | (165,361) | (220,645) | (53,016) | (120,171) | (173,186) | (-4.1%) | (-27.3%) | (-21.5%) | (100.0%) | (100.0%) | (100.0%) | (100.0%) | (100.0%) | (100.0%) |

Note)

Data includes dedicated type (Surface Mount Technology / Bonding).

Data is collected in unit of 10,000 yen. However, the results are shown in unit of million yen by rounding the figures of 100,000 yen.

January - March 2024 Results
Shipments of Manipulators and Robots by Industries
[JARA Member Companies]

Number of units, () : million yen

| Industries | 2023 Jan. - Mar. | 2024 Jan. - Mar. | Change from 2023 | Percentage distribution | |
|---|---------------------|---------------------|---------------------|-------------------------|-----------------|
| | | | | 2023 | 2024 |
| Metal products | 724 | 743 | 2.6% | 5.8% | 6.9% |
| Construction and mining machinery | 31 | 45 | 45.2% | 0.2% | 0.4% |
| Metalworking machinery | 146 | 130 | -11.0% | 1.2% | 1.2% |
| Other machinery and equipment | 798 | 780 | -2.3% | 6.4% | 7.2% |
| Machinery and equipment Units | 975 | 955 | -2.1% | 7.8% | 8.9% |
| (million yen) | (3,915) | (4,291) | (9.6%) | (7.1%) | (8.1%) |
| Electronic computers | 3 | 2 | -33.3% | 0.0% | 0.0% |
| Consumer electrical machinery | 342 | 217 | -36.5% | 2.7% | 2.0% |
| Industrial electrical machinery | 535 | 290 | -45.8% | 4.3% | 2.7% |
| Communication equipment | 271 | 363 | 33.9% | 2.2% | 3.4% |
| Video and audio equipment | 8 | 17 | 112.5% | 0.1% | 0.2% |
| Electronic components/devices/circuits | 2,224 | 1,971 | -11.4% | 17.8% | 18.3% |
| Other electrical machinery | 734 | 648 | -11.7% | 5.9% | 6.0% |
| Electrical machinery Units | 4,117 | 3,508 | -14.8% | 33.0% | 32.6% |
| (million yen) | (18,609) | (16,357) | (-12.1%) | (33.7%) | (30.9%) |
| Precision instruments | 69 | 47 | -31.9% | 0.6% | 0.4% |
| Motor vehicles | 1,264 | 965 | -23.7% | 10.1% | 9.0% |
| Auto parts | 2,492 | 2,408 | -3.4% | 20.0% | 22.4% |
| Motor vehicles and auto parts Units | 3,756 | 3,373 | -10.2% | 30.1% | 31.3% |
| (million yen) | (16,324) | (16,100) | (-1.4%) | (29.5%) | (30.4%) |
| Other transport equipment | 50 | 44 | -12.0% | 0.4% | 0.4% |
| Food products, beverages, and tobacco products | 246 | 171 | -30.5% | 2.0% | 1.6% |
| Chemical products | 93 | 97 | 4.3% | 0.7% | 0.9% |
| Plastic products | 308 | 245 | -20.5% | 2.5% | 2.3% |
| Other industries | 927 | 798 | -13.9% | 7.4% | 7.4% |
| Non-manufacturing industry | 83 | 86 | 3.6% | 0.7% | 0.8% |
| Unspecified | 1,133 | 696 | -38.6% | 9.1% | 6.5% |
| Total domestic shipments Units | 12,481 | 10,763 | -13.8% | 100.0% | 100.0% |
| (million yen) | (55,284) | (53,016) | (-4.1%) | 21.0% | 26.6% |
| | | | | (100.0%) | (100.0%) |
| | | | | (25.1%) | (30.6%) |
| Export Units | 46,868 | 29,772 | -36.5% | 79.0% | 73.4% |
| (million yen) | (165,361) | (120,171) | (-27.3%) | (74.9%) | (69.4%) |
| Grand total Units | 59,349 | 40,535 | -31.7% | 100.0% | 100.0% |
| (million yen) | (220,645) | (173,186) | (-21.5%) | (100.0%) | (100.0%) |

Note)

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