

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

Number of units, () : million yen

	October - December 2023	October - December 2024	Change from 2023
Orders	36,430 (157,873)	46,499 (210,219)	27.6% (33.2%)
Production	43,274 (175,014)	42,833 (181,407)	-1.0% (3.7%)

Shipments Applications	October - December 2023			October - December 2024			Change from 2023			October - December 2023 (percentage distribution)			July - September 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	683	658	1,341	687	644	1,331	0.6%	-2.1%	-0.7%	7.0%	1.8%	2.9%	6.7%	2.0%	3.2%
Arc welding	559	4,133	4,692	625	3,759	4,384	11.8%	-9.0%	-6.6%	5.7%	11.3%	10.2%	6.1%	11.8%	10.4%
Spot welding	687	3,259	3,946	605	2,071	2,676	-11.9%	-36.5%	-32.2%	7.0%	8.9%	8.5%	5.9%	6.5%	6.3%
Laser welding	7	77	84	15	187	202	114.3%	142.9%	140.5%	0.1%	0.2%	0.2%	0.1%	0.6%	0.5%
Others	15	2	17	12	9	21	-20.0%	350.0%	23.5%	0.2%	0.0%	0.0%	0.1%	0.0%	0.0%
Welding Units	1,268	7,471	8,739	1,257	6,026	7,283	-0.9%	-19.3%	-16.7%	13.0%	20.5%	18.9%	12.2%	18.8%	17.2%
(million yen)	(6,820)	(18,314)	(25,134)	(6,599)	(15,173)	(21,771)	(-3.3%)	(-17.2%)	(-13.4%)	(14.6%)	(13.4%)	(13.7%)	(13.6%)	(11.3%)	(11.9%)
Painting	121	663	784	80	408	488	-33.9%	-38.5%	-37.8%	1.2%	1.8%	1.7%	0.8%	1.3%	1.2%
Loading/unloading	358	5,003	5,361	262	3,754	4,016	-26.8%	-25.0%	-25.1%	3.7%	13.7%	11.6%	2.6%	11.7%	9.5%
Mechanical cutting	6		6	2		2	-66.7%		-66.7%	0.1%		0.0%	0.0%		0.0%
Grinding/deburring	36	97	133	44	190	234	22.2%	95.9%	75.9%	0.4%	0.3%	0.3%	0.4%	0.6%	0.6%
Others	7	27	34	12	18	30	71.4%	-33.3%	-11.8%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
Machining Units	407	5,127	5,534	320	3,962	4,282	-21.4%	-22.7%	-22.6%	4.2%	14.1%	12.0%	3.1%	12.4%	10.1%
(million yen)	(1,524)	(8,633)	(10,156)	(1,403)	(7,094)	(8,497)	(-7.9%)	(-17.8%)	(-16.3%)	(3.3%)	(6.3%)	(5.6%)	(2.9%)	(5.3%)	(4.7%)
Surface Mount Technology	257	2,911	3,168	218	3,732	3,950	-15.2%	28.2%	24.7%	2.6%	8.0%	6.9%	2.1%	11.7%	9.3%
General Assembly	1,466	4,022	5,488	1,692	4,842	6,534	15.4%	20.4%	19.1%	15.0%	11.0%	11.9%	16.5%	15.1%	15.5%
Other Assembly	169	166	335	235	378	613	39.1%	127.7%	83.0%	1.7%	0.5%	0.7%	2.3%	1.2%	1.5%
Bonding															
Soldering															
Sealing/glueing	43	68	111	60	290	350	39.5%	326.5%	215.3%	0.4%	0.2%	0.2%	0.6%	0.9%	0.8%
Screwing	24		24	56	20	76	133.3%		216.7%	0.2%		0.1%	0.5%	0.1%	0.2%
Others	102	98	200	119	68	187	16.7%	-30.6%	-6.5%	1.0%	0.3%	0.4%	1.2%	0.2%	0.4%
Assembly Units	1,635	4,188	5,823	1,927	5,220	7,147	17.9%	24.6%	22.7%	16.8%	11.5%	12.6%	18.8%	16.3%	16.9%
(million yen)	(5,531)	(6,456)	(11,987)	(6,682)	(6,774)	(13,456)	(20.8%)	(4.9%)	(12.3%)	(11.9%)	(4.7%)	(6.6%)	(13.7%)	(5.1%)	(7.4%)
Palletizing/depalletizing	286	413	699	353	506	859	23.4%	22.5%	22.9%	2.9%	1.1%	1.5%	3.4%	1.6%	2.0%
Material handling	2,070	11,030	13,100	2,311	6,613	8,924	11.6%	-40.0%	-31.9%	21.2%	30.3%	28.4%	22.5%	20.7%	21.1%
FPD	12	39	51	20	60	80	66.7%	53.8%	56.9%	0.1%	0.1%	0.1%	0.2%	0.2%	0.2%
Semiconductor	2,323	1,913	4,236	2,375	2,500	4,875	2.2%	30.7%	15.1%	23.8%	5.2%	9.2%	23.1%	7.8%	11.5%
Others		48	48		77	77		60.4%	60.4%		0.1%	0.1%		0.2%	0.2%
Cleanroom Units	2,335	2,000	4,335	2,395	2,637	5,032	2.6%	31.9%	16.1%	24.0%	5.5%	9.4%	23.3%	8.2%	11.9%
(million yen)	(7,695)	(6,207)	(13,902)	(7,909)	(8,682)	(16,591)	(2.8%)	(39.9%)	(19.3%)	(16.5%)	(4.6%)	(7.6%)	(16.3%)	(6.5%)	(9.1%)
Other applications	489	687	1,176	499	666	1,165	2.0%	-3.1%	-0.9%	5.0%	1.9%	2.5%	4.9%	2.1%	2.8%
Unspecified	197	1,305	1,502	223	1,566	1,789	13.2%	20.0%	19.1%	2.0%	3.6%	3.3%	2.2%	4.9%	4.2%
Total Units	9,748	36,453	46,201	10,270	31,980	42,250	5.4%	-12.3%	-8.6%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
(million yen)	(46,603)	(136,309)	(182,912)	(48,622)	(133,689)	(182,311)	(4.3%)	(-1.9%)	(-0.3%)	(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.

October - December 2024 Results
Shipments of Manipulators and Robots by Industries
[JARA Member Companies]

Number of units, () : million yen

Industries	2023 Oct. - Dec.	2024 Oct. - Dec.	Change from 2023	Percentage distribution	
				2023	2024
Metal products	695	566	-18.6%	7.1%	5.5%
Construction and mining machinery	51	33	-35.3%	0.5%	0.3%
Metalworking machinery	173	135	-22.0%	1.8%	1.3%
Other machinery and equipment	739	832	12.6%	7.6%	8.1%
Machinery and equipment Units	963	1,000	3.8%	9.9%	9.7%
(million yen)	(4,232)	(4,128)	(-2.5%)	(9.1%)	(8.5%)
Electronic computers	4	12	200.0%	0.0%	0.1%
Consumer electrical machinery	221	208	-5.9%	2.3%	2.0%
Industrial electrical machinery	254	256	0.8%	2.6%	2.5%
Communication equipment	185	285	54.1%	1.9%	2.8%
Video and audio equipment	11	11		0.1%	0.1%
Electronic components/devices/circuits	1,914	2,033	6.2%	19.6%	19.8%
Other electrical machinery	661	631	-4.5%	6.8%	6.1%
Electrical machinery Units	3,250	3,436	5.7%	33.3%	33.5%
(million yen)	(15,227)	(15,880)	(4.3%)	(32.7%)	(32.7%)
Precision instruments	56	41	-26.8%	0.6%	0.4%
Motor vehicles	985	1,007	2.2%	10.1%	9.8%
Auto parts	1,859	2,195	18.1%	19.1%	21.4%
Motor vehicles and auto parts Units	2,844	3,202	12.6%	29.2%	31.2%
(million yen)	(13,849)	(14,952)	(8.0%)	(29.7%)	(30.8%)
Other transport equipment	101	62	-38.6%	1.0%	0.6%
Food products, beverages, and tobacco products	229	208	-9.2%	2.3%	2.0%
Chemical products	52	118	126.9%	0.5%	1.1%
Plastic products	262	223	-14.9%	2.7%	2.2%
Other industries	640	683	6.7%	6.6%	6.7%
Non-manufacturing industry	51	62	21.6%	0.5%	0.6%
Unspecified	605	669	10.6%	6.2%	6.5%
Total domestic shipments Units	9,748	10,270	5.4%	100.0%	100.0%
(million yen)	(46,603)	(48,622)	(4.3%)	21.1%	24.3%
				(100.0%)	(100.0%)
				(25.5%)	(26.7%)
Export Units	36,453	31,980	-12.3%	78.9%	75.7%
(million yen)	(136,309)	(133,689)	(-1.9%)	(74.5%)	(73.3%)
Grand total Units	46,201	42,250	-8.6%	100.0%	100.0%
(million yen)	(182,912)	(182,311)	(-0.3%)	(100.0%)	(100.0%)

Note)

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