

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

Number of units, () : million yen

	April - June 2023	April - June 2024	Change from 2023
Orders	47,978 (196,684)	41,696 (179,847)	-13.1% (-8.6%)
Production	53,942 (202,287)	39,081 (176,281)	-27.5% (-12.9%)

Shipments Applications	April - June 2023			April - June 2024			Change from 2023			April - June 2023 (percentage distribution)			April - June 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	638	709	1,347	461	701	1,162	-27.7%	-1.1%	-13.7%	7.1%	1.6%	2.5%	5.3%	2.4%	3.1%
Arc welding	618	2,789	3,407	464	2,651	3,115	-24.9%	-4.9%	-8.6%	6.9%	6.3%	6.4%	5.4%	9.1%	8.2%
Spot welding	384	7,131	7,515	591	2,219	2,810	53.9%	-68.9%	-62.6%	4.3%	16.0%	14.0%	6.8%	7.6%	7.4%
Laser welding	2	460	462	15	92	107	650.0%	-80.0%	-76.8%	0.0%	1.0%	0.9%	0.2%	0.3%	0.3%
Others	12	13	25	9	14	23	-25.0%	7.7%	-8.0%	0.1%	0.0%	0.0%	0.1%	0.0%	0.1%
Welding Units	1,016	10,393	11,409	1,079	4,976	6,055	6.2%	-52.1%	-46.9%	11.4%	23.3%	21.3%	12.5%	17.1%	16.0%
(million yen)	(5,697)	(26,453)	(32,151)	(5,849)	(12,595)	(18,444)	(2.7%)	(-52.4%)	(-42.6%)	(13.5%)	(16.3%)	(15.7%)	(14.0%)	(10.1%)	(11.1%)
Painting	104	595	699	159	349	508	52.9%	-41.3%	-27.3%	1.2%	1.3%	1.3%	1.8%	1.2%	1.3%
Loading/unloading	450	3,223	3,673	323	2,021	2,344	-28.2%	-37.3%	-36.2%	5.0%	7.2%	6.9%	3.7%	6.9%	6.2%
Mechanical cutting	6	1	7	4	4	4	-33.3%	-100.0%	-42.9%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%
Grinding/deburring	50	88	138	34	56	90	-32.0%	-36.4%	-34.8%	0.6%	0.2%	0.3%	0.4%	0.2%	0.2%
Others	8	15	23	12	34	46	50.0%	126.7%	100.0%	0.1%	0.0%	0.0%	0.1%	0.1%	0.1%
Machining Units	514	3,327	3,841	373	2,111	2,484	-27.4%	-36.5%	-35.3%	5.7%	7.5%	7.2%	4.3%	7.3%	6.6%
(million yen)	(1,911)	(6,563)	(8,474)	(1,495)	(4,254)	(5,748)	(-21.8%)	(-35.2%)	(-32.2%)	(4.5%)	(4.1%)	(4.1%)	(3.6%)	(3.4%)	(3.4%)
Surface Mount Technology	234	2,996	3,230	229	3,327	3,556	-2.1%	11.0%	10.1%	2.6%	6.7%	6.0%	2.6%	11.4%	9.4%
General Assembly	1,680	5,638	7,318	1,554	4,580	6,134	-7.5%	-18.8%	-16.2%	18.8%	12.7%	13.7%	17.9%	15.7%	16.2%
Other Assembly	132	911	1,043	161	227	388	22.0%	-75.1%	-62.8%	1.5%	2.0%	1.9%	1.9%	0.8%	1.0%
Bonding														0.0%	0.0%
Soldering					1	1								0.0%	0.0%
Sealing/glueing	19	788	807	35	109	144	84.2%	-86.2%	-82.2%	0.2%	1.8%	1.5%	0.4%	0.4%	0.4%
Screwing	6	4	10	13	10	23	116.7%	150.0%	130.0%	0.1%	0.0%	0.0%	0.2%	0.0%	0.1%
Others	107	119	226	113	107	220	5.6%	-10.1%	-2.7%	1.2%	0.3%	0.4%	1.3%	0.4%	0.6%
Assembly Units	1,812	6,549	8,361	1,715	4,807	6,522	-5.4%	-26.6%	-22.0%	20.3%	14.7%	15.6%	19.8%	16.5%	17.3%
(million yen)	(7,033)	(8,148)	(15,181)	(5,952)	(6,468)	(12,420)	(-15.4%)	(-20.6%)	(-18.2%)	(16.6%)	(5.0%)	(7.4%)	(14.3%)	(5.2%)	(7.4%)
Palletizing/depalletizing	313	983	1,296	311	480	791	-0.6%	-51.2%	-39.0%	3.5%	2.2%	2.4%	3.6%	1.6%	2.1%
Material handling	1,649	14,700	16,349	2,019	7,271	9,290	22.4%	-50.5%	-43.2%	18.4%	33.0%	30.6%	23.3%	25.0%	24.6%
FPD	4	42	46	5	50	55	25.0%	19.0%	19.6%	0.0%	0.1%	0.1%	0.1%	0.2%	0.1%
Semiconductor	1,970	1,483	3,453	1,850	2,026	3,876	-6.1%	36.6%	12.3%	22.0%	3.3%	6.5%	21.4%	7.0%	10.3%
Others		70	70		74	74		5.7%	5.7%		0.2%	0.1%		0.3%	0.2%
Cleanroom Units	1,974	1,595	3,569	1,855	2,150	4,005	-6.0%	34.8%	12.2%	22.1%	3.6%	6.7%	21.4%	7.4%	10.6%
(million yen)	(6,016)	(5,117)	(11,133)	(5,669)	(8,114)	(13,783)	(-5.8%)	(58.6%)	(23.8%)	(14.2%)	(3.2%)	(5.5%)	(13.6%)	(6.5%)	(8.3%)
Other applications	558	908	1,466	323	610	933	-42.1%	-32.8%	-36.4%	6.2%	2.0%	2.7%	3.7%	2.1%	2.5%
Unspecified	136	1,801	1,937	141	2,330	2,471	3.7%	29.4%	27.6%	1.5%	4.0%	3.6%	1.6%	8.0%	6.5%
Total Units	8,948	44,556	53,504	8,665	29,112	37,777	-3.2%	-34.7%	-29.4%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
(million yen)	(42,334)	(161,869)	(204,203)	(41,648)	(125,264)	(166,912)	(-1.6%)	(-22.6%)	(-18.3%)	(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.

April - June 2024 Results
Shipments of Manipulators and Robots by Industries
[JARA Member Companies]

Number of units, () : million yen

Industries	2023 Apr. - Jun.	2024 Apr. - Jun.	Change from 2023	Percentage distribution	
				2023	2024
Metal products	612	553	-9.6%	6.8%	6.4%
Construction and mining machinery	26	39	50.0%	0.3%	0.5%
Metalworking machinery	161	190	18.0%	1.8%	2.2%
Other machinery and equipment	674	548	-18.7%	7.5%	6.3%
Machinery and equipment Units	861	777	-9.8%	9.6%	9.0%
(million yen)	(3,613)	(3,599)	(-0.4%)	(8.5%)	(8.6%)
Electronic computers	20	4	-80.0%	0.2%	0.0%
Consumer electrical machinery	248	208	-16.1%	2.8%	2.4%
Industrial electrical machinery	419	214	-48.9%	4.7%	2.5%
Communication equipment	210	305	45.2%	2.3%	3.5%
Video and audio equipment	15	7	-53.3%	0.2%	0.1%
Electronic components/devices/circuits	1,638	1,571	-4.1%	18.3%	18.1%
Other electrical machinery	621	522	-15.9%	6.9%	6.0%
Electrical machinery Units	3,171	2,831	-10.7%	35.4%	32.7%
(million yen)	(15,161)	(13,289)	(-12.3%)	(35.8%)	(31.9%)
Precision instruments	38	66	73.7%	0.4%	0.8%
Motor vehicles	676	856	26.6%	7.6%	9.9%
Auto parts	1,530	1,903	24.4%	17.1%	22.0%
Motor vehicles and auto parts Units	2,206	2,759	25.1%	24.7%	31.8%
(million yen)	(11,258)	(12,911)	(14.7%)	(26.6%)	(31.0%)
Other transport equipment	49	36	-26.5%	0.5%	0.4%
Food products, beverages, and tobacco products	175	137	-21.7%	2.0%	1.6%
Chemical products	100	93	-7.0%	1.1%	1.1%
Plastic products	239	181	-24.3%	2.7%	2.1%
Other industries	651	655	0.6%	7.3%	7.6%
Non-manufacturing industry	62	40	-35.5%	0.7%	0.5%
Unspecified	784	537	-31.5%	8.8%	6.2%
Total domestic shipments Units	8,948	8,665	-3.2%	100.0%	100.0%
(million yen)	(42,334)	(41,648)	(-1.6%)	16.7%	22.9%
				(100.0%)	(100.0%)
				(20.7%)	(25.0%)
Export Units	44,556	29,112	-34.7%	83.3%	77.1%
(million yen)	(161,869)	(125,264)	(-22.6%)	(79.3%)	(75.0%)
Grand total Units	53,504	37,777	-29.4%	100.0%	100.0%
(million yen)	(204,203)	(166,912)	(-18.3%)	(100.0%)	(100.0%)

Note)

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