

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

Number of units, () : million yen

	July - September 2023	July - September 2024	Change from 2023
Orders	40,202 (161,038)	41,013 (176,233)	2.0% (9.4%)
Production	47,390 (187,410)	41,386 (171,694)	-12.7% (-8.4%)

Shipments Applications	July - September 2023			July - September 2024			Change from 2023			July - September 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	628	617	1,245	639	907	1,546	1.8%	47.0%	24.2%	6.4%	1.6%	2.6%	5.8%	2.8%	3.6%
Arc welding	806	3,828	4,634	1,090	3,878	4,968	35.2%	1.3%	7.2%	8.2%	10.0%	9.6%	10.0%	12.0%	11.5%
Spot welding	654	5,485	6,139	891	3,766	4,657	36.2%	-31.3%	-24.1%	6.7%	14.3%	12.7%	8.2%	11.6%	10.8%
Laser welding	4	306	310	8	112	120	100.0%	-63.4%	-61.3%	0.0%	0.8%	0.6%	0.1%	0.3%	0.3%
Others	9	7	16	17	23	40	88.9%	228.6%	150.0%	0.1%	0.0%	0.0%	0.2%	0.1%	0.1%
Welding Units	1,473	9,626	11,099	2,006	7,779	9,785	36.2%	-19.2%	-11.8%	15.0%	25.1%	23.0%	18.4%	24.0%	22.6%
(million yen)	(6,682)	(25,213)	(31,895)	(8,950)	(19,497)	(28,448)	(33.9%)	(-22.7%)	(-10.8%)	(14.6%)	(17.2%)	(16.6%)	(17.8%)	(14.9%)	(15.7%)
Painting	142	732	874	104	383	487	-26.8%	-47.7%	-44.3%	1.4%	1.9%	1.8%	1.0%	1.2%	1.1%
Loading/unloading	435	3,229	3,664	305	2,607	2,912	-29.9%	-19.3%	-20.5%	4.4%	8.4%	7.6%	2.8%	8.1%	6.7%
Mechanical cutting	5		5	2	3	5	-60.0%			0.1%		0.0%	0.0%	0.0%	0.0%
Grinding/deburring	35	370	405	35	110	145		-70.3%	-64.2%	0.4%	1.0%	0.8%	0.3%	0.3%	0.3%
Others	17	21	38	41	50	91	141.2%	138.1%	139.5%	0.2%	0.1%	0.1%	0.4%	0.2%	0.2%
Machining Units	492	3,620	4,112	383	2,770	3,153	-22.2%	-23.5%	-23.3%	5.0%	9.4%	8.5%	3.5%	8.6%	7.3%
(million yen)	(1,841)	(6,778)	(8,619)	(1,610)	(5,147)	(6,757)	(-12.5%)	(-24.1%)	(-21.6%)	(4.0%)	(4.6%)	(4.5%)	(3.2%)	(3.9%)	(3.7%)
Surface Mount Technology	271	2,751	3,022	223	3,331	3,554	-17.7%	21.1%	17.6%	2.8%	7.2%	6.3%	2.0%	10.3%	8.2%
General Assembly	1,582	3,175	4,757	1,726	4,133	5,859	9.1%	30.2%	23.2%	16.1%	8.3%	9.9%	15.8%	12.8%	13.5%
Other Assembly	142	106	248	249	139	388	75.4%	31.1%	56.5%	1.4%	0.3%	0.5%	2.3%	0.4%	0.9%
Bonding				1		1							0.0%		0.0%
Soldering															
Sealing/glueing	42	61	103	78	30	108	85.7%	-50.8%	4.9%	0.4%	0.2%	0.2%	0.7%	0.1%	0.2%
Screwing	10	3	13	40	50	90	300.0%	1566.7%	592.3%	0.1%	0.0%	0.0%	0.4%	0.2%	0.2%
Others	90	42	132	130	59	189	44.4%	40.5%	43.2%	0.9%	0.1%	0.3%	1.2%	0.2%	0.4%
Assembly Units	1,724	3,281	5,005	1,975	4,272	6,247	14.6%	30.2%	24.8%	17.5%	8.5%	10.4%	18.1%	13.2%	14.4%
(million yen)	(5,822)	(4,957)	(10,779)	(6,955)	(4,188)	(11,142)	(19.4%)	(-15.5%)	(3.4%)	(12.7%)	(3.4%)	(5.6%)	(13.9%)	(3.2%)	(6.2%)
Palletizing/depalletizing	292	602	894	372	465	837	27.4%	-22.8%	-6.4%	3.0%	1.6%	1.9%	3.4%	1.4%	1.9%
Material handling	1,942	13,016	14,958	2,200	7,622	9,822	13.3%	-41.4%	-34.3%	19.8%	33.9%	31.0%	20.1%	23.6%	22.7%
FPD	9	56	65	15	45	60	66.7%	-19.6%	-7.7%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
Semiconductor	2,126	1,895	4,021	2,334	2,244	4,578	9.8%	18.4%	13.9%	21.6%	4.9%	8.3%	21.4%	6.9%	10.6%
Others		45	45		67	67		48.9%	48.9%		0.1%	0.1%		0.2%	0.2%
Cleanroom Units	2,135	1,996	4,131	2,349	2,356	4,705	10.0%	18.0%	13.9%	21.7%	5.2%	8.6%	21.5%	7.3%	10.9%
(million yen)	(7,140)	(6,331)	(13,470)	(7,318)	(9,799)	(17,117)	(2.5%)	(54.8%)	(27.1%)	(15.6%)	(4.3%)	(7.0%)	(14.6%)	(7.5%)	(9.5%)
Other applications	527	1,302	1,829	492	569	1,061	-6.6%	-56.3%	-42.0%	5.4%	3.4%	3.8%	4.5%	1.8%	2.5%
Unspecified	202	868	1,070	181	1,905	2,086	-10.4%	119.5%	95.0%	2.1%	2.3%	2.2%	1.7%	5.9%	4.8%
Total Units	9,828	38,411	48,239	10,924	32,359	43,283	11.2%	-15.8%	-10.3%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
(million yen)	(45,755)	(146,333)	(192,087)	(50,181)	(130,772)	(180,953)	(9.7%)	(-10.6%)	(-5.8%)	(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.

July - September 2024 Results
Shipments of Manipulators and Robots by Industries
[JARA Member Companies]

Number of units, () : million yen

Industries	2023 Jul. - Sep.	2024 Jul. - Sep.	Change from 2023	Percentage distribution	
				2023	2024
Metal products	687	712	3.6%	7.0%	6.5%
Construction and mining machinery	45	59	31.1%	0.5%	0.5%
Metalworking machinery	201	190	-5.5%	2.0%	1.7%
Other machinery and equipment	720	748	3.9%	7.3%	6.8%
Machinery and equipment Units	966	997	3.2%	9.8%	9.1%
(million yen)	(4,383)	(4,027)	(-8.1%)	(9.6%)	(8.0%)
Electronic computers	5	11	120.0%	0.1%	0.1%
Consumer electrical machinery	185	222	20.0%	1.9%	2.0%
Industrial electrical machinery	303	242	-20.1%	3.1%	2.2%
Communication equipment	220	365	65.9%	2.2%	3.3%
Video and audio equipment	15	20	33.3%	0.2%	0.2%
Electronic components/devices/circuits	1,764	1,951	10.6%	17.9%	17.9%
Other electrical machinery	628	569	-9.4%	6.4%	5.2%
Electrical machinery Units	3,120	3,380	8.3%	31.7%	30.9%
(million yen)	(15,361)	(15,004)	(-2.3%)	(33.6%)	(29.9%)
Precision instruments	59	90	52.5%	0.6%	0.8%
Motor vehicles	863	1,100	27.5%	8.8%	10.1%
Auto parts	2,086	2,473	18.6%	21.2%	22.6%
Motor vehicles and auto parts Units	2,949	3,573	21.2%	30.0%	32.7%
(million yen)	(13,140)	(16,269)	(23.8%)	(28.7%)	(32.4%)
Other transport equipment	53	47	-11.3%	0.5%	0.4%
Food products, beverages, and tobacco products	198	267	34.8%	2.0%	2.4%
Chemical products	93	108	16.1%	0.9%	1.0%
Plastic products	231	274	18.6%	2.4%	2.5%
Other industries	657	695	5.8%	6.7%	6.4%
Non-manufacturing industry	96	68	-29.2%	1.0%	0.6%
Unspecified	719	713	-0.8%	7.3%	6.5%
Total domestic shipments Units	9,828	10,924	11.2%	100.0%	100.0%
(million yen)	(45,755)	(50,181)	(9.7%)	20.4%	25.2%
Export Units	38,411	32,359	-15.8%	79.6%	74.8%
(million yen)	(146,333)	(130,772)	(-10.6%)	(76.2%)	(72.3%)
Grand total Units	48,239	43,283	-10.3%	100.0%	100.0%
(million yen)	(192,087)	(180,953)	(-5.8%)	(100.0%)	(100.0%)

Note)

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