

July - September 2021 Results
Production and Shipments of Manipulators and Robots by Applications
[JARA Member Companies]

Number of units, () : million yen

	July - September 2020	July - September 2021	Change from 2020
Orders	43,627 (171,551)	64,496 (213,311)	47.8% (24.3%)
Production	40,135 (157,052)	56,579 (204,326)	41.0% (30.1%)

Shipments Applications	July - September 2020			July - September 2021			Change from 2020			July - September 2020 (percentage distribution)			July - September 2021 (percentage distribution)		
	Domestic shipments	Exports	Total	Domestic shipments	Exports	Total	Domestic shipments	Exports	Total	Domestic shipments	Exports	Total	Domestic shipments	Exports	Total
Plastic moulding	508	655	1,163	704	826	1,530	38.6%	26.1%	31.6%	6.5%	2.0%	2.9%	6.6%	1.8%	2.7%
Arc welding	750	3,439	4,189	1,043	5,836	6,879	39.1%	69.7%	64.2%	9.6%	10.6%	10.4%	9.7%	12.8%	12.2%
Spot welding	634	2,495	3,129	827	3,946	4,773	30.4%	58.2%	52.5%	8.1%	7.7%	7.7%	7.7%	8.7%	8.5%
Laser welding	3	16	19	2	197	199	-33.3%	1131.3%	947.4%	0.0%	0.0%	0.0%	0.0%	0.4%	0.4%
Others	9	14	23	16	23	39	77.8%	64.3%	69.6%	0.1%	0.0%	0.1%	0.1%	0.1%	0.1%
Welding Units	1,396	5,964	7,360	1,888	10,002	11,890	35.2%	67.7%	61.5%	17.8%	18.3%	18.2%	17.6%	21.9%	21.1%
(million yen)	(7,823)	(12,998)	(20,821)	(9,047)	(20,366)	(29,412)	(15.6%)	(56.7%)	(41.3%)	(19.7%)	(11.0%)	(13.2%)	(19.3%)	(13.2%)	(14.6%)
Painting	129	349	478	143	599	742	10.9%	71.6%	55.2%	1.6%	1.1%	1.2%	1.3%	1.3%	1.3%
Loading/unloading	324	1,247	1,571	580	1,109	1,689	79.0%	-11.1%	7.5%	4.1%	3.8%	3.9%	5.4%	2.4%	3.0%
Mechanical cutting	2	1	3	3		3	50.0%	-100.0%		0.0%	0.0%	0.0%	0.0%		0.0%
Grinding/deburring	37	171	208	29	173	202	-21.6%	1.2%	-2.9%	0.5%	0.5%	0.5%	0.3%	0.4%	0.4%
Others	11	4	15	6	11	17	-45.5%	175.0%	13.3%	0.1%	0.0%	0.0%	0.1%	0.0%	0.0%
Machining Units	374	1,423	1,797	618	1,293	1,911	65.2%	-9.1%	6.3%	4.8%	4.4%	4.4%	5.8%	2.8%	3.4%
(million yen)	(1,252)	(1,955)	(3,207)	(1,809)	(2,135)	(3,944)	(44.5%)	(9.2%)	(23.0%)	(3.1%)	(1.7%)	(2.0%)	(3.9%)	(1.4%)	(2.0%)
Surface Mount Technology	240	3,598	3,838	293	4,465	4,758	22.1%	24.1%	24.0%	3.1%	11.0%	9.5%	2.7%	9.8%	8.4%
General Assembly	1,302	5,282	6,584	1,817	7,230	9,047	39.6%	36.9%	37.4%	16.6%	16.2%	16.3%	17.0%	15.9%	16.1%
Other Assembly	125	214	339	153	89	242	22.4%	-58.4%	-28.6%	1.6%	0.7%	0.8%	1.4%	0.2%	0.4%
Bonding	2		2				-100.0%		-100.0%	0.0%		0.0%			
Soldering	2		2	2	1	3			50.0%	0.0%		0.0%	0.0%	0.0%	0.0%
Sealing/glueing	24	125	149	32	82	114	33.3%	-34.4%	-23.5%	0.3%	0.4%	0.4%	0.3%	0.2%	0.2%
Screwing	3	1	4				-100.0%	-100.0%	-100.0%	0.0%	0.0%	0.0%			
Others	94	88	182	119	6	125	26.6%	-93.2%	-31.3%	1.2%	0.3%	0.5%	1.1%	0.0%	0.2%
Assembly Units	1,427	5,496	6,923	1,970	7,319	9,289	38.1%	33.2%	34.2%	18.2%	16.9%	17.1%	18.4%	16.0%	16.5%
(million yen)	(4,327)	(5,928)	(10,256)	(5,654)	(7,623)	(13,277)	(30.7%)	(28.6%)	(29.5%)	(10.9%)	(5.0%)	(6.5%)	(12.1%)	(4.9%)	(6.6%)
Palletizing/depalletizing	369	608	977	398	1,160	1,558	7.9%	90.8%	59.5%	4.7%	1.9%	2.4%	3.7%	2.5%	2.8%
Material handling	1,629	9,398	11,027	1,992	13,161	15,153	22.3%	40.0%	37.4%	20.7%	28.9%	27.3%	18.6%	28.9%	26.9%
FPD	38	83	121	45	64	109	18.4%	-22.9%	-9.9%	0.5%	0.3%	0.3%	0.4%	0.1%	0.2%
Semiconductor	1,228	2,188	3,416	1,941	3,381	5,322	58.1%	54.5%	55.8%	15.6%	6.7%	8.5%	18.1%	7.4%	9.4%
Others		142	142		129	129		-9.2%	-9.2%		0.4%	0.4%		0.3%	0.2%
Cleanroom Units	1,266	2,413	3,679	1,986	3,574	5,560	56.9%	48.1%	51.1%	16.1%	7.4%	9.1%	18.5%	7.8%	9.9%
(million yen)	(4,548)	(5,902)	(10,450)	(6,464)	(7,982)	(14,446)	(42.1%)	(35.2%)	(38.2%)	(11.4%)	(5.0%)	(6.6%)	(13.8%)	(5.2%)	(7.2%)
Other applications	361	641	1,002	519	776	1,295	43.8%	21.1%	29.2%	4.6%	2.0%	2.5%	4.8%	1.7%	2.3%
Unspecified	153	2,017	2,170	202	2,435	2,637	32.0%	20.7%	21.5%	1.9%	6.2%	5.4%	1.9%	5.3%	4.7%
Total Units	7,852	32,562	40,414	10,713	45,610	56,323	36.4%	40.1%	39.4%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
(million yen)	(39,769)	(117,920)	(157,689)	(46,876)	(154,583)	(201,459)	(17.9%)	(31.1%)	(27.8%)	(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.

