

Second Quarter (April - June) 2008 Results
Production and Shipments of Manipulators and Robots by Application Areas (based on Value)
(JARA Member Companies)

(Unit: million yen)

Production	April - June 2007	April - June 2008	Change from 2007
		144,772	145,945

Shipments	April - June 2007			April - June 2008			Change from 2007			April - June 2007 (percentage distribution)			April - June 2008 (percentage distribution)			
	Application area	Domestic shipments	Exports	Total	Domestic shipments	Exports	Total	Domestic shipments	Exports	Total	Domestic shipments	Exports	Total	Domestic shipments	Exports	Total
Plastic moulding		3,117	4,703	7,820	2,943	6,067	9,010	-5.6%	29.0%	15.2%	6.5%	4.8%	5.4%	6.3%	5.6%	5.8%
Arc welding		(7,281)	(5,548)	(12,829)	(6,740)	(6,571)	(13,311)	-7.4%	18.4%	3.8%	15.1%	5.7%	8.8%	14.5%	6.1%	8.6%
Spot welding		(3,915)	(7,628)	(11,543)	(3,888)	(7,138)	(11,025)	-0.7%	-6.4%	-4.5%	8.1%	7.8%	7.9%	8.3%	6.6%	7.1%
Gas welding		(3)		(3)												
Laser welding		(13)		(13)	(4)	(7)	(11)									
Others		(9)		(9)	(7)	(7)	(7)									
Welding		11,221	13,176	24,398	10,639	13,715	24,354	-5.2%	4.1%	-0.2%	23.3%	13.5%	16.7%	22.8%	12.7%	15.7%
Loading/unloading		(1,666)	(1,324)	(2,990)	(1,567)	(1,328)	(2,896)									
Mechanical cutting																
Grinding/deburring		(174)	(5)	(179)	(189)	(8)	(197)									
Others		(20)		(20)	(32)	(7)	(39)									
Machining		1,859	1,329	3,188	1,788	1,343	3,132	-3.8%	1.1%	-1.8%	3.9%	1.4%	2.2%	3.8%	1.2%	2.0%
General Assembly		4,035	2,494	6,529	4,138	2,120	6,257	2.5%	-15.0%	-4.2%	8.4%	2.5%	4.5%	8.9%	2.0%	4.0%
Surface Mount Technology		12,398	55,960	68,358	13,617	62,961	76,578	9.8%	12.5%	12.0%	25.7%	57.2%	46.8%	29.2%	58.1%	49.4%
Other Assembly		148	66	214	65	147	212	-56.1%	123.2%	-0.8%	0.3%	0.1%	0.1%	0.1%	0.1%	0.1%
(Bonding)																
(Soldering)																
(Sealing/glueing)		(140)	(63)	(203)	(57)	(141)	(198)									
(Screwing)																
(Others)		(8)	(3)	(11)	(8)	(6)	(14)									
Assembly		16,581	58,519	75,101	17,820	65,228	83,048	7.5%	11.5%	10.6%	34.4%	59.8%	51.4%	38.3%	60.2%	53.6%
Material handling		3,521	5,234	8,755	4,336	6,641	10,977	23.1%	26.9%	25.4%	7.3%	5.4%	6.0%	9.3%	6.1%	7.1%
Painting		2,046	2,887	4,933	1,565	1,461	3,026	-23.5%	-49.4%	-38.6%	4.2%	3.0%	3.4%	3.4%	1.3%	2.0%
(FPD)		(2,893)	(6,927)	(9,820)	(1,911)	(8,986)	(10,897)	-33.9%	29.7%	11.0%	6.0%	7.1%	6.7%	4.1%	8.3%	7.0%
(Semiconductor)		(3,417)	(2,739)	(6,156)	(2,390)	(1,390)	(3,780)	-30.1%	-49.3%	-38.6%	7.1%	2.8%	4.2%	5.1%	1.3%	2.4%
(Others)																
Cleanroom		6,310	9,666	15,976	4,301	10,376	14,676	-31.8%	7.3%	-8.1%	13.1%	9.9%	10.9%	9.2%	9.6%	9.5%
Other applications		3,566	2,311	5,877	3,178	3,468	6,645	-10.9%	50.0%	13.1%	7.4%	2.4%	4.0%	6.8%	3.2%	4.3%
Total		48,223	97,825	146,048	46,569	108,299	154,868	-3.4%	10.7%	6.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Note)

These statistics include dedicated type (Surface Mount Technology / Bonding).

These statistics are 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.

Second Quarter (April - June) 2008 Results
Shipments of Manipulators and Robots by Industrial Branches (based on Value)
(JARA Member Companies)

Industrial branches	2007	2008	Change from 2007	Percentage distribution	
	million yen	million yen		2007	2008
Metal products	1,470	1,565	6.5%	3.0%	3.4%
Construction Machinery	(461)	(488)	5.7%	1.0%	1.0%
Metalworking machinery	(533)	(281)	-47.3%	1.1%	0.6%
Other machinery and equipment	(1,508)	(1,162)	-23.0%	3.1%	2.5%
Machinery and equipment	2,503	1,931	-22.9%	5.2%	4.1%
Computers	(1,115)	(152)	-86.4%	2.3%	0.3%
Consumer electrical machinery	(215)	(251)	16.6%	0.4%	0.5%
Industrial electrical machinery	(2,738)	(2,582)	-5.7%	5.7%	5.5%
Info-communications equipment	(7,123)	(6,670)	-6.4%	14.8%	14.3%
VTR	(289)	(125)	-56.8%	0.6%	0.3%
Electronic components/devices	(4,776)	(2,941)	-38.4%	9.9%	6.3%
Other electrical machinery	(2,840)	(3,510)	23.6%	5.9%	7.5%
Electrical machinery	19,096	16,230	-15.0%	39.6%	34.9%
Precision and optical instruments	495	857	73.1%	1.0%	1.8%
Motor vehicles	(5,903)	(6,432)	9.0%	12.2%	13.8%
Auto parts	(11,030)	(11,881)	7.7%	22.9%	25.5%
Motor vehicles and auto parts	16,933	18,313	8.1%	35.1%	39.3%
Food products, beverages, and tobacco products	585	604	3.2%	1.2%	1.3%
Plastic products	2,947	2,833	-3.9%	6.1%	6.1%
EMS companies (Subconstructors)	0	84		0.0%	0.2%
Non-manufacturing	197	390	98.3%	0.4%	0.8%
Other industries	3,997	3,762	-5.9%	8.3%	8.1%
Total domestic shipments	48,223	46,569	-3.4%	100.0%	100.0%
				(33.0%)	(30.1%)
Export	97,825	108,299	10.7%	(67.0%)	(69.9%)
Grand total	146,048	154,868	6.0%	(100.0%)	(100.0%)

Note) These statistics include dedicated type (Surface Mount Technology / Bonding).
These statistics are 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.