

First Quarter (January - March) 2008 Results
Production and Shipments of Manipulators and Robots by Application Areas (based on Value)
(JARA Member Companies)

(Unit: million yen)

Production	January - March 2007	January - March 2008	Change from 2007
	140,423	144,425	2.9%

Shipments	January - March 2007			January - March 2008			Change from 2007			January - March 2007 (percentage distribution)			January - March 2008 (percentage distribution)		
	Application area	Domestic shipments	Exports	Total	Domestic shipments	Exports	Total	Domestic shipments	Exports	Total	Domestic shipments	Exports	Total	Domestic shipments	Exports
Plastic moulding	3,596	2,493	6,089	3,647	2,158	5,805	1.4%	-13.4%	-4.7%	5.9%	3.0%	4.2%	6.4%	2.3%	3.9%
Arc welding	(8,392)	(6,159)	(14,551)	(8,051)	(6,814)	(14,865)	-4.1%	10.6%	2.2%	13.7%	7.5%	10.1%	14.1%	7.4%	10.0%
Spot welding	(8,307)	(7,061)	(15,367)	(7,663)	(9,659)	(17,321)	-7.8%	36.8%	12.7%	13.6%	8.6%	10.7%	13.5%	10.5%	11.6%
Gas welding															
Laser welding	(2)	(2)	(4)	(11)	(3)	(14)									
Others	(7)	(10)	(17)	(37)	(5)	(42)									
Welding	16,708	13,232	29,939	15,762	16,481	32,242	-5.7%	24.6%	7.7%	27.4%	16.1%	20.9%	27.7%	17.8%	21.6%
Loading/unloading	(1,725)	(1,013)	(2,738)	(2,158)	(1,136)	(3,294)									
Mechanical cutting	(14)		(14)	(289)		(289)									
Grinding/deburring	(196)		(196)	(321)	(18)	(339)									
Others	(81)	(32)	(113)	(112)	(8)	(120)									
Machining	2,015	1,045	3,060	2,880	1,162	4,042	42.9%	11.2%	32.1%	3.3%	1.3%	2.1%	5.1%	1.3%	2.7%
General Assembly	4,162	1,898	6,059	4,135	2,158	6,293	-0.6%	13.8%	3.9%	6.8%	2.3%	4.2%	7.3%	2.3%	4.2%
Surface Mount Technology	12,659	43,945	56,604	11,656	44,189	55,845	-7.9%	0.6%	-1.3%	20.7%	53.4%	39.5%	20.5%	47.8%	37.4%
Other Assembly	371	358	729	223	257	480	-39.9%	-28.2%	-34.1%	0.6%	0.4%	0.5%	0.4%	0.3%	0.3%
(Bonding)															
(Soldering)															
(Sealing/glueing)	(371)	(353)	(724)	(217)	(255)	(472)									
(Screwing)				(2)		(2)									
(Others)		(5)	(5)	(4)	(2)	(6)									
Assembly	17,192	46,200	63,392	16,014	46,605	62,618	-6.9%	0.9%	-1.2%	28.1%	56.1%	44.2%	28.1%	50.4%	41.9%
Material handling	4,915	4,483	9,398	5,193	7,654	12,847	5.7%	70.7%	36.7%	8.0%	5.4%	6.6%	9.1%	8.3%	8.6%
Painting	3,268	5,551	8,819	3,789	3,657	7,446	16.0%	-34.1%	-15.6%	5.3%	6.7%	6.2%	6.7%	4.0%	5.0%
(FPD)	(6,426)	(5,324)	(11,750)	(2,716)	(9,850)	(12,566)	-57.7%	85.0%	6.9%	10.5%	6.5%	8.2%	4.8%	10.7%	8.4%
(Semiconductor)	(2,216)	(1,614)	(3,830)	(2,594)	(1,599)	(4,192)	17.0%	-1.0%	9.5%	3.6%	2.0%	2.7%	4.6%	1.7%	2.8%
(Others)															
Cleanroom	8,643	6,938	15,581	5,310	11,449	16,758	-38.6%	65.0%	7.6%	14.1%	8.4%	10.9%	9.3%	12.4%	11.2%
Other applications	4,746	2,366	7,112	4,319	3,246	7,565	-9.0%	37.2%	6.4%	7.8%	2.9%	5.0%	7.6%	3.5%	5.1%
Total	61,081	82,308	143,389	56,913	92,410	149,322	-6.8%	12.3%	4.1%	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.

First Quarter (January - March) 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	1,586	2,120	33.7%	2.6%	3.7%
Construction Machinery	(784)	(840)	7.1%	1.3%	1.5%
Metalworking machinery	(497)	(626)	25.9%	0.8%	1.1%
Other machinery and equipment	(1,657)	(1,711)	3.3%	2.7%	3.0%
Machinery and equipment	2,938	3,178	8.1%	4.8%	5.6%
Computers	(1,285)	(283)	-78.0%	2.1%	0.5%
Consumer electrical machinery	(266)	(313)	17.7%	0.4%	0.5%
Industrial electrical machinery	(2,329)	(2,361)	1.4%	3.8%	4.1%
Info-communications equipment	(7,535)	(6,054)	-19.7%	12.3%	10.6%
VTR	(11)	(130)	1087.7%	0.0%	0.2%
Electronic components/devices	(4,378)	(2,888)	-34.0%	7.2%	5.1%
Other electrical machinery	(5,118)	(3,962)	-22.6%	8.4%	7.0%
Electrical machinery	20,921	15,990	-23.6%	34.3%	28.1%
Precision and optical instruments	651	981	50.6%	1.1%	1.7%
Motor vehicles	(12,758)	(12,417)	-2.7%	20.9%	21.8%
Auto parts	(13,802)	(13,438)	-2.6%	22.6%	23.6%
Motor vehicles and auto parts	26,561	25,856	-2.7%	43.5%	45.4%
Food products, beverages, and tobacco products	534	769	44.0%	0.9%	1.4%
Plastic products	3,374	3,414	1.2%	5.5%	6.0%
EMS companies (Subconstructors)	222	60	-73.0%	0.4%	0.1%
Non-manufacturing	504	558	10.6%	0.8%	1.0%
Other industries	3,790	3,987	5.2%	6.2%	7.0%
Total domestic shipments	61,081	56,913	-6.8%	100.0%	100.0%
				(42.6%)	(38.1%)
Export	82,308	92,410	12.3%	(57.4%)	(61.9%)
Grand total	143,389	149,322	4.1%	(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.