

First Quarter (January - March) 2006 Results
Production and Shipments of Manipulators and Robots by Application Areas (based on Value)
(JARA Member Companies)

(Unit: million yen)

Production	January - March 2005	January - March 2006	Change from 2005
		121,131	136,774

Shipments	January - March 2005			January - March 2006			Change from 2005			January - March 2005 (percentage distribution)			January - March 2006 (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		2,538	2,076	4,614	4,049	2,444	6,493	59.5%	17.7%	40.7%	4.6%	2.8%	3.5%	7.4%	2.9%	4.6%
Arc welding		6,015	5,035	11,050	6,516	5,469	11,985	8.3%	8.6%	8.5%	10.9%	6.7%	8.5%	11.9%	6.4%	8.5%
Spot welding		8,088	6,987	15,075	8,415	6,068	14,483	4.0%	-13.2%	-3.9%	14.6%	9.3%	11.6%	15.4%	7.1%	10.3%
Gas welding																
Laser welding		46		46	116	9	125									
Others		35	9	44		10	10									
Welding		14,185	12,031	26,216	15,047	11,556	26,603	6.1%	-3.9%	1.5%	25.7%	16.0%	20.1%	27.5%	13.5%	19.0%
Loading/unloading		1,585	888	2,473	1,814	1,038	2,852									
Mechanical cutting		20		20												
Grinding/deburring		166	32	198	322	21	343									
Others		84		84	83		83									
Machining		1,854	920	2,774	2,219	1,059	3,278	19.7%	15.1%	18.2%	3.4%	1.2%	2.1%	4.1%	1.2%	2.3%
General Assembly		3,193	1,774	4,967	3,661	1,749	5,410	14.7%	-1.4%	8.9%	5.8%	2.4%	3.8%	6.7%	2.0%	3.9%
Surface Mount Technology		13,998	31,789	45,787	12,380	53,135	65,514	-11.6%	67.1%	43.1%	25.3%	42.4%	35.1%	22.6%	62.1%	46.7%
Other Assembly		515	452	967	266	48	314	-48.4%	-89.4%	-67.5%	0.9%	0.6%	0.7%	0.5%	0.1%	0.2%
(Bonding)		(285)	(381)	(666)												
(Soldering)																
(Sealing/glueing)		(208)	(71)	(279)	(128)	(48)	(176)									
(Screwing)		(20)		(20)	(2)		(2)									
(Others)		(2)		(2)	(136)		(136)									
Assembly		17,706	34,015	51,721	16,307	54,931	71,238	-7.9%	61.5%	37.7%	32.0%	45.3%	39.7%	29.8%	64.2%	50.8%
Material handling		4,597	4,569	9,166	4,081	4,680	8,761	-11.2%	2.4%	-4.4%	8.3%	6.1%	7.0%	7.5%	5.5%	6.2%
Painting		2,627	2,207	4,833	1,965	1,071	3,036	-25.2%	-51.5%	-37.2%	4.8%	2.9%	3.7%	3.6%	1.3%	2.2%
Clean room		7,144	17,050	24,194	7,021	7,339	14,360	-1.7%	-57.0%	-40.6%	12.9%	22.7%	18.6%	12.8%	8.6%	10.2%
(FPD)		(6,181)	(15,660)	(21,841)	(5,776)	(5,788)	(11,564)	-6.6%	-63.0%	-47.1%	11.2%	20.9%	16.8%	10.6%	6.8%	8.2%
(Semiconductor)		(960)	(1,390)	(2,350)	(1,238)	(1,551)	(2,789)	29.0%	11.6%	18.7%	1.7%	1.9%	1.8%	2.3%	1.8%	2.0%
(Others)		(3)		(3)	(7)		(7)									
Other applications		4,622	2,188	6,810	3,992	2,528	6,521	-13.6%	15.6%	-4.2%	8.4%	2.9%	5.2%	7.3%	3.0%	4.6%
Total		55,272	75,056	130,328	54,680	85,609	140,289	-1.1%	14.1%	7.6%	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) 2006 Results
Shipments of Manipulators and Robots by Industrial Branches (based on Value)
(JARA Member Companies)

Industrial branches	2005	2006	Change from 2005	Percentage distribution	
	million yen	million yen		2005	2006
Metal products	1,223	1,374	12.3%	2.2%	2.5%
Construction Machinery	502	672	34.0%	0.9%	1.2%
Metalworking machinery	292	291	-0.1%	0.5%	0.5%
Other machinery and equipment	1,459	1,235	-15.3%	2.6%	2.3%
Machinery and equipment	2,252	2,199	-2.4%	4.1%	4.0%
Computers	507	747	47.5%	0.9%	1.4%
Consumer electrical machinery	156	196	25.3%	0.3%	0.4%
Industrial electrical machinery	2,586	1,319	-49.0%	4.7%	2.4%
Info-communications equipment	7,601	9,188	20.9%	13.8%	16.8%
VTR	67	129	93.0%	0.1%	0.2%
Electronic components/devices	6,344	2,110	-66.7%	11.5%	3.9%
Other electrical machinery	3,036	5,184	70.8%	5.5%	9.5%
Electrical machinery	20,297	18,873	-7.0%	36.7%	34.5%
Precision and optical instruments	711	710	-0.2%	1.3%	1.3%
Motor vehicles	11,816	9,158	-22.5%	21.4%	16.7%
Auto parts	10,189	12,722	24.9%	18.4%	23.3%
Motor vehicles and auto parts	22,004	21,880	-0.6%	39.8%	40.0%
Food products, beverages, and tobacco products	1,020	570	-44.1%	1.8%	1.0%
Plastic products	2,468	3,903	58.1%	4.5%	7.1%
EMS companies (Subconstructors)	294	326	11.1%	0.5%	0.6%
Non-manufacturing	725	968	33.5%	1.3%	1.8%
Other industries	4,277	3,878	-9.3%	7.7%	7.1%
Total domestic shipments	55,272	54,680	-1.1%	100.0%	100.0%
				(42.4%)	(39.0%)
Export	75,056	85,609	14.1%	(57.6%)	(61.0%)
Grand total	130,328	140,289	7.6%	(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.