

Second Quarter (April - June) 2007 Results
Production and Shipments of Manipulators and Robots by Application Areas (based on Value)
(JARA Member Companies)

(Unit: million yen)

Production	April - June 2006	April - June 2007	Change from 2006
	136,661	144,772	5.9%

Shipments	April - June 2006			April - June 2007			Change from 2006			April - June 2006 (percentage distribution)			April - June 2007 (percentage distribution)		
	Domestic shipments	Exports	Total	Domestic shipments	Exports	Total	Domestic shipments	Exports	Total	Domestic shipments	Exports	Total	Domestic shipments	Exports	Total
Application area															
Plastic moulding	2,970	2,892	5,862	3,117	4,703	7,820	4.9%	62.6%	33.4%	6.7%	3.2%	4.4%	6.5%	4.8%	5.4%
Arc welding	(6,663)	(4,926)	(11,590)	(7,281)	(5,548)	(12,829)	9.3%	12.6%	10.7%	15.1%	5.5%	8.6%	15.1%	5.7%	8.8%
Spot welding	(4,802)	(5,881)	(10,683)	(3,915)	(7,628)	(11,543)	-18.5%	29.7%	8.1%	10.9%	6.5%	8.0%	8.1%	7.8%	7.9%
Gas welding				(3)		(3)									
Laser welding	(1)	(6)	(7)	(13)		(13)									
Others	(15)	(3)	(18)	(9)		(9)									
Welding	11,481	10,816	22,298	11,221	13,176	24,398	-2.3%	21.8%	9.4%	26.0%	12.0%	16.6%	23.3%	13.5%	16.7%
Loading/unloading	(1,456)	(633)	(2,089)	(1,666)	(1,324)	(2,990)									
Mechanical cutting															
Grinding/deburring	(194)	(11)	(205)	(174)	(5)	(179)									
Others	(22)		(22)	(20)		(20)									
Machining	1,672	644	2,316	1,859	1,329	3,188	11.2%	106.4%	37.7%	3.8%	0.7%	1.7%	3.9%	1.4%	2.2%
General Assembly	3,484	1,975	5,459	4,035	2,494	6,529	15.8%	26.3%	19.6%	7.9%	2.2%	4.1%	8.4%	2.5%	4.5%
Surface Mount Technology	11,338	53,568	64,906	12,398	55,960	68,358	9.3%	4.5%	5.3%	25.7%	59.4%	48.3%	25.7%	57.2%	46.8%
Other Assembly	156	167	324	148	66	214	-5.4%	-60.5%	-33.9%	0.4%	0.2%	0.2%	0.3%	0.1%	0.1%
(Bonding)															
(Soldering)															
(Sealing/glueing)	(143)	(167)	(311)	(140)	(63)	(203)									
(Screwing)	(13)		(13)												
(Others)				(8)	(3)	(11)									
Assembly	14,979	55,710	70,688	16,581	58,519	75,101	10.7%	5.0%	6.2%	33.9%	61.8%	52.6%	34.4%	59.8%	51.4%
Material handling	3,375	4,334	7,709	3,521	5,234	8,755	4.3%	20.8%	13.6%	7.6%	4.8%	5.7%	7.3%	5.4%	6.0%
Painting	1,060	3,211	4,270	2,046	2,887	4,933	93.1%	-10.1%	15.5%	2.4%	3.6%	3.2%	4.2%	3.0%	3.4%
(FPD)	(4,066)	(7,817)	(11,883)	(2,893)	(6,927)	(9,820)	-28.9%	-11.4%	-17.4%	9.2%	8.7%	8.8%	6.0%	7.1%	6.7%
(Semiconductor)	(1,390)	(1,587)	(2,977)	(3,417)	(2,739)	(6,156)	145.9%	72.6%	106.8%	3.1%	1.8%	2.2%	7.1%	2.8%	4.2%
(Others)		(3)	(3)												
Clean room	5,456	9,407	14,862	6,310	9,666	15,976	15.7%	2.8%	7.5%	12.3%	10.4%	11.1%	13.1%	9.9%	10.9%
Other applications	3,205	3,134	6,338	3,566	2,311	5,877	11.3%	-26.2%	-7.3%	7.3%	3.5%	4.7%	7.4%	2.4%	4.0%
Total	44,196	90,147	134,343	48,223	97,825	146,048	9.1%	8.5%	8.7%	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) 2007 Results
Shipments of Manipulators and Robots by Industrial Branches (based on Value)
(JARA Member Companies)

Industrial branches	2006	2007	Change from 2006	Percentage distribution	
	million yen	million yen		2006	2007
Metal products	1,650	1,470	-10.9%	3.7%	3.0%
Construction Machinery	(615)	(461)	-25.0%	1.4%	1.0%
Metalworking machinery	(272)	(533)	96.3%	0.6%	1.1%
Other machinery and equipment	(1,332)	(1,508)	13.2%	3.0%	3.1%
Machinery and equipment	2,219	2,503	12.8%	5.0%	5.2%
Computers	(602)	(1,115)	85.4%	1.4%	2.3%
Consumer electrical machinery	(242)	(215)	-11.1%	0.5%	0.4%
Industrial electrical machinery	(1,889)	(2,738)	44.9%	4.3%	5.7%
Info-communications equipment	(7,193)	(7,123)	-1.0%	16.3%	14.8%
VTR	(94)	(289)	209.2%	0.2%	0.6%
Electronic components/devices	(1,907)	(4,776)	150.5%	4.3%	9.9%
Other electrical machinery	(5,262)	(2,840)	-46.0%	11.9%	5.9%
Electrical machinery	17,188	19,096	11.1%	38.9%	39.6%
Precision and optical instruments	679	495	-27.1%	1.5%	1.0%
Motor vehicles	(5,537)	(5,903)	6.6%	12.5%	12.2%
Auto parts	(10,366)	(11,030)	6.4%	23.5%	22.9%
Motor vehicles and auto parts	15,903	16,933	6.5%	36.0%	35.1%
Food products, beverages, and tobacco products	422	585	38.6%	1.0%	1.2%
Plastic products	2,877	2,947	2.4%	6.5%	6.1%
EMS companies (Subconstructors)	40	0		0.1%	0.0%
Non-manufacturing	332	197	-40.8%	0.8%	0.4%
Other industries	2,887	3,997	38.4%	6.5%	8.3%
Total domestic shipments	44,196	48,223	9.1%	100.0%	100.0%
				(32.9%)	(33.0%)
Export	90,147	97,825	8.5%	(67.1%)	(67.0%)
Grand total	134,343	146,048	8.7%	(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.