

Fourth Quarter (October - December) 2006 Results
Production and Shipments of Manipulators and Robots by Application Areas (based on Value)
(JARA Member Companies)

(Unit: million yen)

Production	October - December 2005	October - December 2006	Change from 2005
		125,467	129,036

Shipments	October - December 2005			October - December 2006			Change from 2005			October - December 2005 (percentage distribution)			October - December 2006 (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	2,968	3,120	6,088	3,081	2,504	5,585	3.8%	-19.7%	-8.3%	6.0%	3.8%	4.7%	6.4%	3.0%	4.2%
Arc welding	(6,653)	(5,122)	(11,775)	(8,492)	(4,656)	(13,148)	27.7%	-9.1%	11.7%	13.4%	6.3%	9.0%	17.8%	5.6%	10.0%
Spot welding	(5,339)	(6,690)	(12,028)	(5,560)	(7,255)	(12,815)	4.1%	8.5%	6.5%	10.8%	8.2%	9.2%	11.6%	8.7%	9.7%
Gas welding															
Laser welding	(12)	(12)	(24)	(27)		(27)									
Others	(135)	(32)	(167)	(13)		(13)									
Welding	12,139	11,856	23,994	14,093	11,911	26,003	16.1%	0.5%	8.4%	24.4%	14.6%	18.3%	29.5%	14.2%	19.8%
Loading/unloading	(2,309)	(780)	(3,089)	(1,714)	(839)	(2,553)									
Mechanical cutting		(2)	(2)	(18)		(18)									
Grinding/deburring	(200)	(7)	(207)	(187)	(9)	(196)									
Others	(23)		(23)	(4)		(4)									
Machining	2,531	789	3,320	1,922	848	2,770	-24.1%	7.5%	-16.6%	5.1%	1.0%	2.5%	4.0%	1.0%	2.1%
General Assembly	3,962	1,828	5,790	4,295	2,349	6,644	8.4%	28.5%	14.7%	8.0%	2.3%	4.4%	9.0%	2.8%	5.0%
Surface Mount Technology	10,494	41,566	52,060	11,647	42,097	53,744	11.0%	1.3%	3.2%	21.1%	51.2%	39.8%	24.4%	50.2%	40.8%
Other Assembly	265	140	405	407	122	528	53.7%	-13.4%	30.4%	0.5%	0.2%	0.3%	0.9%	0.1%	0.4%
(Bonding)															
(Soldering)															
(Sealing/glueing)	(260)	(140)	(400)	(400)	(122)	(521)									
(Screwing)	(2)		(2)												
(Others)	(3)		(3)	(7)		(7)									
Assembly	14,720	43,534	58,254	16,349	44,567	60,916	11.1%	2.4%	4.6%	29.6%	53.6%	44.5%	34.2%	53.2%	46.3%
Material handling	4,119	4,185	8,304	3,119	4,438	7,557	-24.3%	6.0%	-9.0%	8.3%	5.2%	6.3%	6.5%	5.3%	5.7%
Painting	5,385	1,868	7,254	1,769	1,911	3,680	-67.1%	2.3%	-49.3%	10.8%	2.3%	5.5%	3.7%	2.3%	2.8%
(FPD)	(1,920)	(12,030)	(13,950)	(1,730)	(12,637)	(14,367)	-9.9%	5.0%	3.0%	3.9%	14.8%	10.7%	3.6%	15.1%	10.9%
(Semiconductor)	(1,841)	(918)	(2,759)	(1,894)	(1,536)	(3,430)	2.9%	67.3%	24.3%	3.7%	1.1%	2.1%	4.0%	1.8%	2.6%
(Others)				(65)		(65)									
Clean room	3,761	12,948	16,709	3,690	14,173	17,863	-1.9%	9.5%	6.9%	7.6%	16.0%	12.8%	7.7%	16.9%	13.6%
Other applications	4,038	2,846	6,883	3,754	3,490	7,244	-7.0%	22.7%	5.2%	8.1%	3.5%	5.3%	7.9%	4.2%	5.5%
Total	49,661	81,146	130,807	47,776	83,842	131,618	-3.8%	3.3%	0.6%	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.

Fourth Quarter (October - December) 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	1,719	1,558	-9.4%	3.5%	3.3%
Construction Machinery	(490)	(672)	37.1%	1.0%	1.4%
Metalworking machinery	(242)	(383)	58.5%	0.5%	0.8%
Other machinery and equipment	(1,345)	(1,797)	33.6%	2.7%	3.8%
Machinery and equipment	2,077	2,851	37.3%	4.2%	6.0%
Computers	(609)	(1,120)	84.0%	1.2%	2.3%
Consumer electrical machinery	(189)	(257)	36.0%	0.4%	0.5%
Industrial electrical machinery	(1,951)	(2,668)	36.7%	3.9%	5.6%
Info-communications equipment	(5,852)	(5,422)	-7.3%	11.8%	11.3%
VTR	(114)	(29)	-74.4%	0.2%	0.1%
Electronic components/devices	(2,370)	(2,548)	7.5%	4.8%	5.3%
Other electrical machinery	(3,367)	(3,158)	-6.2%	6.8%	6.6%
Electrical machinery	14,451	15,203	5.2%	29.1%	31.8%
Precision and optical instruments	728	555	-23.8%	1.5%	1.2%
Motor vehicles	(11,292)	(7,067)	-37.4%	22.7%	14.8%
Auto parts	(11,791)	(13,274)	12.6%	23.7%	27.8%
Motor vehicles and auto parts	23,083	20,341	-11.9%	46.5%	42.6%
Food products, beverages, and tobacco products	688	517	-24.9%	1.4%	1.1%
Plastic products	2,902	2,927	0.9%	5.8%	6.1%
EMS companies (Subconstructors)	54	115	113.0%	0.1%	0.2%
Non-manufacturing	419	473	12.9%	0.8%	1.0%
Other industries	3,541	3,236	-8.6%	7.1%	6.8%
Total domestic shipments	49,661	47,776	-3.8%	100.0%	100.0%
				(38.0%)	(36.3%)
Export	81,146	83,842	3.3%	(62.0%)	(63.7%)
Grand total	130,807	131,618	0.6%	(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.