

Third Quarter (July - September) 2006 Results
Production and Shipments of Manipulators and Robots by Application Areas (based on Value)
(JARA Member Companies)

(Unit: million yen)

Production	July - September 2005	July - September 2006	Change from 2005
	139,121	149,138	7.2%

Shipments	July - September 2005			July - September 2006			Change from 2005			July - September 2005 (percentage distribution)			July - September 2006 (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	3,454	2,794	6,248	2,611	3,170	5,781	-24.4%	13.5%	-7.5%	6.6%	3.1%	4.4%	4.9%	3.3%	3.9%
Arc welding	(7,039)	(6,825)	(13,864)	(8,118)	(4,734)	(12,852)	15.3%	-30.6%	-7.3%	13.4%	7.6%	9.7%	15.1%	4.9%	8.6%
Spot welding	(8,950)	(6,823)	(15,773)	(6,145)	(5,739)	(11,884)	-31.3%	-15.9%	-24.7%	17.0%	7.6%	11.1%	11.4%	6.0%	8.0%
Gas welding															
Laser welding	(147)		(147)	(122)	(4)	(126)									
Others	(119)	(3)	(122)	(12)	(12)	(24)									
Welding	16,255	13,650	29,905	14,397	10,489	24,886	-11.4%	-23.2%	-16.8%	30.8%	15.2%	21.0%	26.8%	11.0%	16.7%
Loading/unloading	(1,866)	(767)	(2,633)	(1,826)	(977)	(2,803)									
Mechanical cutting				(2)	(2)	(4)									
Grinding/deburring	(82)	(24)	(106)	(239)	(13)	(252)									
Others	(10)		(10)	(58)		(58)									
Machining	1,958	791	2,749	2,125	992	3,117	8.5%	25.4%	13.4%	3.7%	0.9%	1.9%	4.0%	1.0%	2.1%
General Assembly	3,602	1,612	5,214	4,370	1,885	6,255	21.3%	17.0%	20.0%	6.8%	1.8%	3.7%	8.1%	2.0%	4.2%
Surface Mount Technology	12,729	49,955	62,683	15,097	55,286	70,384	18.6%	10.7%	12.3%	24.2%	55.8%	44.1%	28.1%	57.7%	47.1%
Other Assembly	298	143	441	194	380	574	-35.0%	165.7%	30.0%	0.6%	0.2%	0.3%	0.4%	0.4%	0.4%
(Bonding)															
(Soldering)		(4)	(4)												
(Sealing/glueing)	(290)	(133)	(423)	(175)	(365)	(540)									
(Screwing)				(16)		(16)									
(Others)	(8)	(6)	(14)	(3)	(15)	(18)									
Assembly	16,629	51,709	68,339	19,661	57,552	77,213	18.2%	11.3%	13.0%	31.6%	57.7%	48.0%	36.6%	60.1%	51.7%
Material handling	4,427	5,007	9,434	4,373	4,350	8,723	-1.2%	-13.1%	-7.5%	8.4%	5.6%	6.6%	8.1%	4.5%	5.8%
Painting	3,099	3,340	6,439	1,607	5,095	6,702	-48.1%	52.5%	4.1%	5.9%	3.7%	4.5%	3.0%	5.3%	4.5%
(FPD)	(1,782)	(8,758)	(10,539)	(3,731)	(9,772)	(13,503)	109.4%	11.6%	28.1%	3.4%	9.8%	7.4%	7.0%	10.2%	9.0%
(Semiconductor)	(967)	(702)	(1,669)	(1,483)	(1,566)	(3,049)	53.3%	123.1%	82.6%	1.8%	0.8%	1.2%	2.8%	1.6%	2.0%
(Others)	(2)		(2)												
Clean room	2,751	9,460	12,211	5,213	11,338	16,551	89.5%	19.9%	35.6%	5.2%	10.6%	8.6%	9.7%	11.8%	11.1%
Other applications	4,132	2,796	6,928	3,685	2,755	6,440	-10.8%	-1.5%	-7.0%	7.8%	3.1%	4.9%	6.9%	2.9%	4.3%
Total	52,705	89,547	142,252	53,673	95,740	149,413	1.8%	6.9%	5.0%	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.

Third Quarter (July - September) 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	1,541	1,805	17.1%	2.9%	3.4%
Construction Machinery	(622)	(767)	23.3%	1.2%	1.4%
Metalworking machinery	(230)	(370)	60.8%	0.4%	0.7%
Other machinery and equipment	(1,188)	(1,547)	30.2%	2.3%	2.9%
Machinery and equipment	2,040	2,684	31.5%	3.9%	5.0%
Computers	(378)	(1,402)	271.4%	0.7%	2.6%
Consumer electrical machinery	(273)	(393)	44.2%	0.5%	0.7%
Industrial electrical machinery	(2,674)	(1,825)	-31.7%	5.1%	3.4%
Info-communications equipment	(6,735)	(8,685)	28.9%	12.8%	16.2%
VTR	(60)	(116)	91.6%	0.1%	0.2%
Electronic components/devices	(2,049)	(3,464)	69.0%	3.9%	6.5%
Other electrical machinery	(3,422)	(3,539)	3.4%	6.5%	6.6%
Electrical machinery	15,591	19,423	24.6%	29.6%	36.2%
Precision and optical instruments	709	889	25.4%	1.3%	1.7%
Motor vehicles	(13,111)	(8,441)	-35.6%	24.9%	15.7%
Auto parts	(12,087)	(12,297)	1.7%	22.9%	22.9%
Motor vehicles and auto parts	25,198	20,738	-17.7%	47.8%	38.6%
Food products, beverages, and tobacco products	593	596	0.5%	1.1%	1.1%
Plastic products	3,276	2,549	-22.2%	6.2%	4.7%
EMS companies (Subconstructors)	195	146	-25.2%	0.4%	0.3%
Non-manufacturing	210	1,287	513.4%	0.4%	2.4%
Other industries	3,353	3,558	6.1%	6.4%	6.6%
Total domestic shipments	52,705	53,673	1.8%	100.0%	100.0%
				(37.1%)	(35.9%)
Export	89,547	95,740	6.9%	(62.9%)	(64.1%)
Grand total	142,252	149,413	5.0%	(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.