

Fourth Quarter (October - December) 2007 Results
Production and Shipments of Manipulators and Robots by Application Areas (based on Value)
(JARA Member Companies)

(Unit: million yen)

Production	October - December 2006	October - December 2007	Change from 2006
		129,036	126,243

Shipments	October - December 2006			October - December 2007			Change from 2006			October - December 2006 (percentage distribution)			October - December 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	3,081	2,504	5,585	4,009	2,605	6,614	30.1%	4.0%	18.4%	6.4%	3.0%	4.2%	9.1%	3.1%	5.2%
Arc welding	(8,492)	(4,656)	(13,148)	(6,136)	(6,410)	(12,547)	-27.7%	37.7%	-4.6%	17.8%	5.6%	10.0%	13.9%	7.7%	9.9%
Spot welding	(5,560)	(7,255)	(12,815)	(4,423)	(9,424)	(13,847)	-20.5%	29.9%	8.1%	11.6%	8.7%	9.7%	10.0%	11.4%	10.9%
Gas welding															
Laser welding	(27)		(27)	(12)	(10)	(22)									
Others	(13)		(13)	(13)	(32)	(45)									
Welding	14,093	11,911	26,003	10,584	15,876	26,461	-24.9%	33.3%	1.8%	29.5%	14.2%	19.8%	24.0%	19.2%	20.8%
Loading/unloading	(1,714)	(839)	(2,553)	(1,577)	(1,413)	(2,990)									
Mechanical cutting	(18)		(18)												
Grinding/deburring	(187)	(9)	(196)	(223)	(36)	(259)									
Others	(4)		(4)	(23)	(7)	(30)									
Machining	1,922	848	2,770	1,823	1,456	3,279	-5.2%	71.7%	18.4%	4.0%	1.0%	2.1%	4.1%	1.8%	2.6%
General Assembly	4,295	2,349	6,644	3,781	1,895	5,676	-12.0%	-19.3%	-14.6%	9.0%	2.8%	5.0%	8.6%	2.3%	4.5%
Surface Mount Technology	11,647	42,097	53,744	9,010	43,092	52,102	-22.6%	2.4%	-3.1%	24.4%	50.2%	40.8%	20.4%	52.0%	41.0%
Other Assembly	407	122	528	71	113	184	-82.5%	-7.0%	-65.2%	0.9%	0.1%	0.4%	0.2%	0.1%	0.1%
(Bonding)				(7)		(7)									
(Soldering)															
(Sealing/glueing)	(400)	(122)	(521)	(39)	(92)	(131)									
(Screwing)				(13)		(13)									
(Others)	(7)		(7)	(12)	(21)	(33)									
Assembly	16,349	44,567	60,916	12,862	45,100	57,962	-21.3%	1.2%	-4.8%	34.2%	53.2%	46.3%	29.2%	54.4%	45.7%
Material handling	3,119	4,438	7,557	3,551	6,090	9,641	13.9%	37.2%	27.6%	6.5%	5.3%	5.7%	8.1%	7.3%	7.6%
Painting	1,769	1,911	3,680	2,089	1,504	3,594	18.1%	-21.3%	-2.4%	3.7%	2.3%	2.8%	4.7%	1.8%	2.8%
(FPD)	(1,730)	(12,637)	(14,367)	(2,400)	(5,596)	(7,996)	38.7%	-55.7%	-44.3%	3.6%	15.1%	10.9%	5.4%	6.8%	6.3%
(Semiconductor)	(1,894)	(1,536)	(3,430)	(3,032)	(1,503)	(4,535)	60.0%	-2.1%	32.2%	4.0%	1.8%	2.6%	6.9%	1.8%	3.6%
(Others)	(65)		(65)	(3)		(3)									
Cleanroom	3,690	14,173	17,863	5,435	7,099	12,534	47.3%	-49.9%	-29.8%	7.7%	16.9%	13.6%	12.3%	8.6%	9.9%
Other applications	3,754	3,490	7,244	3,737	3,130	6,867	-0.4%	-10.3%	-5.2%	7.9%	4.2%	5.5%	8.5%	3.8%	5.4%
Total	47,776	83,842	131,618	44,090	82,860	126,950	-7.7%	-1.2%	-3.5%	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) 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	1,558	1,665	6.9%	3.3%	3.8%
Construction Machinery	(672)	(538)	-19.9%	1.4%	1.2%
Metalworking machinery	(383)	(424)	10.6%	0.8%	1.0%
Other machinery and equipment	(1,797)	(1,504)	-16.3%	3.8%	3.4%
Machinery and equipment	2,851	2,465	-13.5%	6.0%	5.6%
Computers	(1,120)	(532)	-52.5%	2.3%	1.2%
Consumer electrical machinery	(257)	(284)	10.5%	0.5%	0.6%
Industrial electrical machinery	(2,668)	(1,906)	-28.6%	5.6%	4.3%
Info-communications equipment	(5,422)	(5,183)	-4.4%	11.3%	11.8%
VTR	(29)	(87)	199.0%	0.1%	0.2%
Electronic components/devices	(2,548)	(3,148)	23.5%	5.3%	7.1%
Other electrical machinery	(3,158)	(3,142)	-0.5%	6.6%	7.1%
Electrical machinery	15,203	14,282	-6.1%	31.8%	32.4%
Precision and optical instruments	555	732	32.0%	1.2%	1.7%
Motor vehicles	(7,067)	(6,465)	-8.5%	14.8%	14.7%
Auto parts	(13,274)	(9,759)	-26.5%	27.8%	22.1%
Motor vehicles and auto parts	20,341	16,224	-20.2%	42.6%	36.8%
Food products, beverages, and tobacco products	517	614	18.8%	1.1%	1.4%
Plastic products	2,927	3,933	34.4%	6.1%	8.9%
EMS companies (Subconstructors)	115	37	-67.8%	0.2%	0.1%
Non-manufacturing	473	157	-66.8%	1.0%	0.4%
Other industries	3,236	3,980	23.0%	6.8%	9.0%
Total domestic shipments	47,776	44,090	-7.7%	100.0%	100.0%
				(36.3%)	(34.7%)
Export	83,842	82,860	-1.2%	(63.7%)	(65.3%)
Grand total	131,618	126,950	-3.5%	(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.