

Third Quarter (July - September) 2008 Results
Production and Shipments of Manipulators and Robots by Application Areas (based on Value)
(JARA Member Companies)

(Unit: million yen)

Production	July - September 2007	July - September 2008	Change from 2007
	163,335	137,712	-15.7%

Shipments	July - September 2007			July - September 2008			Change from 2007			July - September 2007 (percentage distribution)			July - September 2008 (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	4,110	2,870	6,980	3,753	3,075	6,828	-8.7%	7.1%	-2.2%	7.0%	2.6%	4.1%	7.6%	3.2%	4.7%
Arc welding	(7,518)	(6,765)	(14,282)	(8,198)	(6,718)	(14,916)	9.1%	-0.7%	4.4%	12.8%	6.1%	8.5%	16.6%	7.1%	10.3%
Spot welding	(4,645)	(9,461)	(14,106)	(4,819)	(7,814)	(12,632)	3.7%	-17.4%	-10.5%	7.9%	8.6%	8.4%	9.8%	8.2%	8.7%
Gas welding															
Laser welding	(2)	(2)	(4)		(3)	(3)									
Others	(42)	(7)	(49)	(7)	(10)	(17)									
Welding	12,206	16,235	28,442	13,024	14,544	27,568	6.7%	-10.4%	-3.1%	20.8%	14.7%	16.9%	26.4%	15.3%	19.1%
Loading/unloading	(1,363)	(1,468)	(2,831)	(1,463)	(1,647)	(3,110)									
Mechanical cutting				(4)		(4)									
Grinding/deburring	(224)	(5)	(229)	(225)	(11)	(236)									
Others	(23)	(6)	(29)	(18)	(4)	(22)									
Machining	1,610	1,479	3,089	1,710	1,662	3,372	6.2%	12.4%	9.2%	2.7%	1.3%	1.8%	3.5%	1.7%	2.3%
General Assembly	4,380	1,717	6,098	3,503	2,155	5,658	-20.0%	25.5%	-7.2%	7.5%	1.6%	3.6%	7.1%	2.3%	3.9%
Surface Mount Technology	15,556	70,573	86,130	11,491	45,541	57,031	-26.1%	-35.5%	-33.8%	26.6%	64.1%	51.1%	23.3%	47.8%	39.5%
Other Assembly	367	191	558	190	159	349	-48.3%	-16.8%	-37.5%	0.6%	0.2%	0.3%	0.4%	0.2%	0.2%
(Bonding)															
(Soldering)															
(Sealing/glueing)	(357)	(182)	(539)	(169)	(147)	(316)									
(Screwing)				(13)		(13)									
(Others)	(10)	(9)	(19)	(8)	(12)	(20)									
Assembly	20,303	72,482	92,785	15,183	47,855	63,038	-25.2%	-34.0%	-32.1%	34.7%	65.8%	55.0%	30.8%	50.3%	43.6%
Material handling	4,113	5,999	10,111	4,022	6,175	10,197	-2.2%	2.9%	0.8%	7.0%	5.4%	6.0%	8.2%	6.5%	7.1%
Painting	2,966	2,093	5,059	4,113	4,750	8,863	38.6%	126.9%	75.2%	5.1%	1.9%	3.0%	8.3%	5.0%	6.1%
(FPD)	(5,029)	(3,825)	(8,854)	(1,653)	(13,627)	(15,280)	-67.1%	256.3%	72.6%	8.6%	3.5%	5.2%	3.4%	14.3%	10.6%
(Semiconductor)	(3,738)	(2,169)	(5,907)	(2,149)	(841)	(2,990)	-42.5%	-61.2%	-49.4%	6.4%	2.0%	3.5%	4.4%	0.9%	2.1%
(Others)															
Cleanroom	8,767	5,994	14,761	3,802	14,468	18,270	-56.6%	141.4%	23.8%	15.0%	5.4%	8.8%	7.7%	15.2%	12.6%
Other applications	4,502	2,944	7,445	3,725	2,676	6,401	-17.3%	-9.1%	-14.0%	7.7%	2.7%	4.4%	7.6%	2.8%	4.4%
Total	58,577	110,095	168,672	49,331	95,205	144,537	-15.8%	-13.5%	-14.3%	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) 2008 Results
Shipments of Manipulators and Robots by Industrial Branches (based on Value)
(JARA Member Companies)

Industrial branches	2007	2008	Change from 2007	Percentage distribution	
	million yen	million yen		2007	2008
Metal products	1,652	1,861	12.6%	2.8%	3.8%
Construction Machinery	(730)	(818)	12.1%	1.2%	1.7%
Metalworking machinery	(304)	(351)	15.6%	0.5%	0.7%
Other machinery and equipment	(1,703)	(1,254)	-26.3%	2.9%	2.5%
Machinery and equipment	2,736	2,423	-11.4%	4.7%	4.9%
Computers	(815)	(338)	-58.5%	1.4%	0.7%
Consumer electrical machinery	(291)	(310)	6.5%	0.5%	0.6%
Industrial electrical machinery	(2,229)	(2,770)	24.3%	3.8%	5.6%
Info-communications equipment	(10,360)	(5,384)	-48.0%	17.7%	10.9%
VTR	(97)	(90)	-7.3%	0.2%	0.2%
Electronic components/devices	(5,399)	(2,939)	-45.6%	9.2%	6.0%
Other electrical machinery	(4,450)	(3,152)	-29.2%	7.6%	6.4%
Electrical machinery	23,642	14,982	-36.6%	40.4%	30.4%
Precision and optical instruments	1,261	481	-61.9%	2.2%	1.0%
Motor vehicles	(7,183)	(9,089)	26.5%	12.3%	18.4%
Auto parts	(11,691)	(12,107)	3.6%	20.0%	24.5%
Motor vehicles and auto parts	18,873	21,196	12.3%	32.2%	43.0%
Food products, beverages, and tobacco products	722	754	4.4%	1.2%	1.5%
Plastic products	3,981	3,569	-10.3%	6.8%	7.2%
EMS companies (Subconstructors)	111	8		0.2%	0.0%
Non-manufacturing	443	785	77.5%	0.8%	1.6%
Other industries	5,156	3,272	-36.5%	8.8%	6.6%
Total domestic shipments	58,577	49,331	-15.8%	100.0%	100.0%
				(34.7%)	(34.1%)
Export	110,095	95,205	-13.5%	(65.3%)	(65.9%)
Grand total	168,672	144,537	-14.3%	(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.