July - September 2014 Results Production and Shipments of Manipulators and Robots by Application Areas [JARA Member Companies]

Number of units, (): million yen

	July - September 2013	July - September 2014	Change from 2013		
Production	26,646	33,342	+25.1%		
	(105,484)	(135,200)	(+28.2%)		

Shipments		July - September 2013		July - September 2014			Change from 2013			July - September 2013 (percentage distribution)			July - September 2014 (percentage distribution)		
Application area	Domestic shipments	Exports	Total	Domestic shipments	Exports	Total	Domestic shipments	Exports	Total	Domestic shipments	Exports	Total	Domestic shipments	Exports	Total
Plastic moulding	543	1,135	1,678	661	1,307	1,968	+21.7%	+15.2%	+17.3%	8.5%	5.5%	6.3%	8.7%	5.0%	5.9%
Arc welding	889	4,117	5,006	985	4,217	5,202	+10.8%	+2.4%	+3.9%	14.0%	20.1%	18.7%	12.9%	16.3%	15.5%
Spot welding	591	3,094	3,685	1,024	4,415	5,439	+73.3%	+42.7%	+47.6%	9.3%	15.1%	13.7%	13.5%	17.1%	16.2%
Laser welding	11		11	7	74	81									
Others	4	2	6	10	13	23									
Welding Units	1,495	7,213	8,708	2,026	8,719	10,745	+35.5%	+20.9%	+23.4%	23.5%	35.2%	32.5%	26.6%	33.7%	32.1%
(million yen)	(6,563)	(17,779)	(24,342)	(8,263)	(22,182)	(30,445)	(+25.9%)	(+24.8%)	(+25.1%)	(22.2%)	(23.3%)	(23.0%)	(24.3%)	(22.3%)	(22.8%)
Painting	106	229	335	163	337	500	+53.8%	+47.2%	+49.3%	1.7%	1.1%	1.2%	2.1%	1.3%	1.5%
Loading/unloading	315	1,172	1,487	393	1,237	1,630	+24.8%	+5.5%	+9.6%	5.0%	5.7%	5.5%	5.2%	4.8%	4.9%
Mechanical cutting					10	10									
Grinding/deburring	20	12	32	38	12	50									
Others	16	1	17	9	3	12									
Machining Units	351	1,185	1,536	440	1,262	1,702	+25.4%	+6.5%	+10.8%	5.5%	5.8%	5.7%	5.8%	4.9%	5.1%
(million yen)	(823)	(1,957)	(2,781)	(1,011)	(1,932)	(2,944)	(+22.8%)	(-1.3%)	(+5.9%)	(2.8%)	(2.6%)	(2.6%)	(3.0%)	(1.9%)	(2.2%)
Surface Mount Technology	248	1,941	2,189	354	2,707	3,061	+42.7%	+39.5%	+39.8%	3.9%	9.5%	8.2%	4.7%	10.5%	9.1%
General Assembly	1,264	2,048	3,312	1,266	4,259	5,525	+0.2%	+108.0%	+66.8%	19.9%	10.0%	12.3%	16.6%	16.5%	16.5%
Other Assembly	22	159	181	20	56	76	-9.1%	-64.8%	-58.0%	0.3%	0.8%	0.7%	0.3%	0.2%	0.2%
Bonding															
Soldering	1		1	1		1									
Sealing/glueing	16	82	98	10	54	64									
Screwing	1		1	1		1									
Others	4	77	81	8	2	10									
Assembly Units	1,286	2,207	3,493	1,286	4,315	5,601		+95.5%	+60.3%	20.2%	10.8%	13.0%	16.9%	16.7%	16.7%
(million yen)	(6,623)	(32,693)	(39,316)	(8,919)	(48,907)	(57,826)	(+34.7%)	(+49.6%)	(+47.1%)	(22.4%)	(42.8%)	(37.1%)	(26.3%)	(49.1%)	(43.3%)
Palletizing/depalletizing	227	485	712	242	374	616	+6.6%	-22.9%	-13.5%	3.6%	2.4%	2.7%	3.2%	1.4%	1.8%
Material handling	990	4,157	5,147	1,438	5,352	6,790	+45.3%	+28.7%	+31.9%	15.6%	20.3%	19.2%	18.9%	20.7%	20.3%
FPD	93	201	294	35	102	137	-62.4%	-49.3%	-53.4%	1.5%	1.0%	1.1%	0.5%	0.4%	0.4%
Semiconductor	608	907	1,515	634	774	1,408	+4.3%	-14.7%	-7.1%	9.6%	4.4%	5.6%	8.3%	3.0%	4.2%
Others															
Cleanroom Units	701	1,108	1,809	669	876	1,545	-4.6%	-20.9%	-14.6%	11.0%	5.4%	6.7%	8.8%	3.4%	4.6%
(million yen)	(4,571)	(6,659)	(11,230)	(3,331)	(3,349)	(6,680)	(-27.1%)	(-49.7%)	(-40.5%)	(15.5%)	(8.7%)	(10.6%)	(9.8%)	(3.4%)	(5.0%)
Other applications	413	808	1,221	333	638	971	-19.4%	-21.0%	-20.5%	6.5%	3.9%	4.6%	4.4%	2.5%	2.9%
Total Units	6,360	20,468	26,828	7,612	25,887	33,499	+19.7%	+26.5%	+24.9%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
(million yen)	(29,510)	(76,363)	(105,873)	(33,939)	(99,514)	(133,453)	(+15.0%)	(+30.3%)	(+26.0%)	(100.0%)	(100.0%)	(100.0%)	(100.0%)	(100.0%)	(100.0%)

Note)

Data includes dedicated type (Surface Mount Technology / Bonding). Data is 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.

July - September 2014 Results Shipments of Manipulators and Robots by Industrial Branches [JARA Member Companies]

-			•	Number	of units, ():		
Industrial branches	2013	2014	Change				
industrial branches	Jul-Sep	Jul-Sep	from 2013	2013	2014		
Metal products		306	366	+19.6%	4.8%	4.8%	
Construction machinery		20	39	+95.0%	0.3%	0.5%	
Metalworking machinery		151	192	+27.2%	2.4%	2.5%	
Other machinery and equipment		110	168	+52.7%	1.7%	2.2%	
Machinery and equipment	Units	281	399	+42.0%	4.4%	5.2%	
	(million yen)	(860)	(1,162)	(+35.0%)	(2.9%)	(3.4%)	
Computers		8	32	+300.0%	0.1%	0.4%	
Consumer electrical machinery		95	171	+80.0%	1.5%	2.2%	
Industrial electrical machinery		156	119	-23.7%	2.5%	1.6%	
Info-communications equipment		159	229	+44.0%	2.5%	3.0%	
VTR							
Electronic components/devices		780	691	-11.4%	12.3%	9.1%	
Other electrical machinery		646	691	+7.0%	10.2%	9.1%	
Electrical machinery	Units	1,844	1,933	+4.8%	29.0%	25.4%	
	(million yen)	(10,655)	(11,167)	(+4.8%)	(36.1%)	(32.9%)	
Precision and optical instruments		153	88	-42.5%	2.4%	1.2%	
Motor vehicles		598	1,007	+68.4%	9.4%	13.2%	
Auto parts		1,480	1,827	+23.4%	23.3%	24.0%	
Motor vehicles and auto parts	Units	2,078	2,834	+36.4%	32.7%	37.2%	
	(million yen)	(8,579)	(11,774)	(+37.2%)	(29.1%)	(34.7%)	
Food products, beverages, and toba	184	192	+4.3%	2.9%	2.5%		
Plastic products		562	688	+22.4%	8.8%	9.0%	
Chemical products		82	126	+53.7%	1.3%	1.7%	
Other industries		870	986	+13.3%	13.7%	13.0%	
Total domestic shipments	Units	6,360	7,612	+19.7%	100.0%	100.0%	
					23.7%	22.7%	
	(million yen)	(29,510)	(33,939)	(+15.0%)	(100.0%)	(100.0%)	
					(27.9%)	(25.4%)	
Export	Units	20,468	25,887	+26.5%	76.3%	77.3%	
	(million yen)	(76,363)	(99,514)	(+30.3%)	(72.1%)	(74.6%)	
Grand total	Units	26,828	33,499	+24.9%	100.0%	100.0%	
	(million yen)			(+26.0%)	(100.0%)	(100.0%)	

Note) Data includes dedicated type (Surface Mount Technology / Bonding).

Data is 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.