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

Number of units, (): million yen

	April - June 2013	April - June 2014	Change from 2013		
Production	24,125	33,388	+38.4%		
	(100,250)	(121,842)	(+21.5%)		

Shipments April - June 2013		13	April - June 2014			Change from 2013			April - June 2013 (percentage distribution)			April - June 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	422	1,520	1,942	434	959	1,393	+2.8%	-36.9%	-28.3%	9.0%	7.9%	8.1%	6.8%	3.5%	4.1%
Arc welding	594	3,703	4,297	766	4,745	5,511	+29.0%	+28.1%	+28.3%	12.6%	19.3%	18.0%	12.0%	17.4%	16.4%
Spot welding	570	2,658	3,228	995	4,229	5,224	+74.6%	+59.1%	+61.8%	12.1%	13.9%	13.5%	15.5%	15.5%	15.5%
Laser welding	10	3	13	9	49	58	-10.0%	+1,533.3%	+346.2%	0.2%	0.0%	0.1%	0.1%	0.2%	0.2%
Others	4	1	5	4	2	6		+100.0%	+20.0%	0.1%	0.0%	0.0%	0.1%	0.0%	0.0%
Welding Units	1,178	6,365	7,543	1,774	9,025	10,799	+50.6%	+41.8%	+43.2%	25.1%	33.2%	31.6%	27.7%	33.2%	32.1%
(million yen)	(5,483)	(15,647)	(21,130)	(7,320)	(22,259)	(29,579)	(+33.5%)	(+42.3%)	(+40.0%)	(22.1%)	(20.7%)	(21.0%)	(28.8%)	(23.7%)	(24.8%)
Painting	72	329	401	60	266	326	-16.7%	-19.1%	-18.7%	1.5%	1.7%	1.7%	0.9%	1.0%	1.0%
Loading/unloading	192	888	1,080	286	1,211	1,497	+49.0%	+36.4%	+38.6%	4.1%	4.6%	4.5%	4.5%	4.4%	4.5%
Mechanical cutting	1	5	6				-100.0%	-100.0%	-100.0%	0.0%	0.0%	0.0%			
Grinding/deburring	15	5	20	32	15	47	+113.3%	+200.0%	+135.0%	0.3%	0.0%	0.1%	0.5%	0.1%	0.1%
Others	10		10	10	4	14			+40.0%	0.2%		0.0%	0.2%	0.0%	0.0%
Machining Units	218	898	1,116	328	1,230	1,558	+50.5%	+37.0%	+39.6%	4.6%	4.7%	4.7%	5.1%	4.5%	4.6%
(million yen)	(733)	(1,356)	(2,089)	(723)	(1,855)	(2,578)	(-1.3%)	(+36.8%)	(+23.4%)	(3.0%)	(1.8%)	(2.1%)	(2.8%)	(2.0%)	(2.2%)
Surface Mount Technology	224	2,379	2,603	219	2,386	2,605	-2.2%	+0.3%	+0.1%	4.8%	12.4%	10.9%	3.4%	8.8%	7.7%
General Assembly	875	2,125	3,000	1,318	6,506	7,824	+50.6%	+206.2%	+160.8%	18.6%	11.1%	12.6%	20.6%	23.9%	23.3%
Other Assembly	22	131	153	9	43	52	-59.1%	-67.2%	-66.0%	0.5%	0.7%	0.6%	0.1%	0.2%	0.2%
Bonding		6	6					-100.0%	-100.0%		0.0%	0.0%			
Soldering															
Sealing/glueing	11	78	89	5	31	36	-54.5%	-60.3%	-59.6%	0.2%	0.4%	0.4%	0.1%	0.1%	0.1%
Screwing	5		5				-100.0%		-100.0%	0.1%		0.0%			
Others	6	47	53	4	12	16	-33.3%	-74.5%	-69.8%	0.1%	0.2%	0.2%	0.1%	0.0%	0.0%
Assembly Units	897	2,256	3,153	1,327	6,549	7,876	+47.9%	+190.3%	+149.8%	19.1%	11.8%	13.2%	20.7%	24.1%	23.4%
(million yen)	(1,691)	(2,916)	(4,607)	(2,179)	(8,755)	(10,933)	(+28.8%)	(+200.2%)	(+137.3%)	(6.8%)	(3.9%)	(4.6%)	(8.6%)	(9.3%)	(9.2%)
Palletizing/depalletizing	150	433	583	146	358	504	-2.7%	-17.3%	-13.6%	3.2%	2.3%	2.4%	2.3%	1.3%	1.5%
Material handling	652	3,350	4,002	1,116	4,736	5,852	+71.2%	+41.4%	+46.2%	13.9%	17.5%	16.8%	17.4%	17.4%	17.4%
FPD	67	298	365	49	82	131	-26.9%	-72.5%	-64.1%	1.4%	1.6%	1.5%	0.8%	0.3%	0.4%
Semiconductor	504	898	1,402	658	854	1,512	+30.6%	-4.9%	+7.8%	10.7%	4.7%	5.9%	10.3%	3.1%	4.5%
Others	1		1				-100.0%		-100.0%	0.0%		0.0%			
Cleanroom Units	572	1,196	1,768	707	936	1,643	+23.6%	-21.7%	-7.1%	12.2%	6.2%	7.4%	11.0%	3.4%	4.9%
(million yen)	(3,626)	(4,178)	(7,804)	(3,725)	(3,349)	(7,074)	(+2.7%)	(-19.9%)	(-9.4%)	(14.6%)	(5.5%)	(7.8%)	(14.6%)	(3.6%)	(5.9%)
Other applications	315	430	745	290	770	1,060	-7.9%	+79.1%	+42.3%	6.7%	2.2%	3.1%	4.5%	2.8%	3.2%
Total Units	4,700	19,156	23,856	6,401	27,215	33,616	+36.2%	+42.1%	+40.9%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
(million yen)	(24,823)	(75,638)	(100,460)	(25,462)	(93,767)	(119,229)	(+2.6%)	(+24.0%)	(+18.7%)	(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.

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

Number of units, (): million yen

		2013 2014 Change			Percentage distribution			
Industrial branches	Apr-Jun	Apr-Jun	from 2013	2013	2014			
Metal products	182	253	+39.0%	3.9%	4.0%			
Construction machinery		14	21	+50.0%	0.3%	0.3%		
Metalworking machinery		84	138	+64.3%	1.8%	2.2%		
Other machinery and equipment		62	182	+193.5%	1.3%	2.8%		
Machinery and equipment	Units	160	341	+113.1%	3.4%	5.3%		
	(million yen)	(684)	(1,075)	(+57.2%)	(2.8%)	(4.2%)		
Computers		5	8	+60.0%	0.1%	0.1%		
Consumer electrical machinery		76	100	+31.6%	1.6%	1.6%		
Industrial electrical machinery		136	49	-64.0%	2.9%	0.8%		
Info-communications equipment VTR		156	270	+73.1%	3.3%	4.2%		
Electronic components/devices		578	696	+20.4%	12.3%	10.9%		
Other electrical machinery		503	610	+21.3%	10.7%	9.5%		
Electrical machinery	Units	1,454	1,733	+19.2%	30.9%	27.1%		
	(million yen)	(9,595)	(8,098)	(-15.6%)	(38.7%)	(31.8%)		
Precision and optical instruments		78	94	+20.5%	1.7%	1.5%		
Motor vehicles		549	1,004	+82.9%	11.7%	15.7%		
Auto parts		1,167	1,595	+36.7%	24.8%	24.9%		
Motor vehicles and auto parts	Units	1,716	2,599	+51.5%	36.5%	40.6%		
	(million yen)	(7,926)	(9,670)	(+22.0%)	(31.9%)	(38.0%)		
Food products, beverages, and toba	132	124	-6.1%	2.8%	1.9%			
Plastic products		427	457	+7.0%	9.1%	7.1%		
Chemical products		33	83	+151.5%	0.7%	1.3%		
Other industries		518	717	+38.4%	11.0%	11.2%		
Total domestic shipments	Units	4,700	6,401	+36.2%	100.0%	100.0%		
					19.7%	19.0%		
	(million yen)	(24,823)	(25,462)	(+2.6%)	(100.0%)	(100.0%)		
					(24.7%)	(21.4%)		
Export	Units	19,156	27,215	+42.1%	80.3%	81.0%		
	(million yen)	(75,638)	(93,767)	(+24.0%)	(75.3%)	(78.6%)		
Grand total	Units	23,856	33,616	+40.9%	100.0%	100.0%		
	(million yen)	•	,	(+18.7%)	(100.0%)	(100.0%)		
NI-(-) Data includes dedicated								

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.