April - June 2015 Results Production and Shipments of Manipulators and Robots by Application Areas [JARA Member Companies]

Number of units, (): million yen

	April - June 2014	April - June 2015	Change from 2014		
Production	33,388	36,126	+8.2%		
	(121,842)	(138,646)	(+13.8%)		

Shipments	Ар	April - June 2014			ril - June 20	15	Change from 2014			April - June 2014 (percentage distribution)			April - June 2015 (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	434	959	1,393	572	1,236	1,808	+31.8%	+28.9%	+29.8%	6.8%	3.5%	4.1%	7.8%	4.3%	5.0%
Arc welding	766	4,745	5,511	778	5,031	5,809	+1.6%	+6.0%	+5.4%	12.0%	17.4%	16.4%	10.6%	17.6%	16.2%
Spot welding	995	4,229	5,224	416	4,251	4,667	-58.2%	+0.5%	-10.7%	15.5%	15.5%	15.5%	5.7%	14.9%	13.0%
Laser welding	9	49	58	2	1	3									
Others	4	2	6	5	2	7									
Welding Units	1,774	9,025	10,799	1,201	9,285	10,486	-32.3%	+2.9%	-2.9%	27.7%	33.2%	32.1%	16.3%	32.5%	29.2%
(million yen)	(7,320)	(22,259)	(29,579)	(7,047)	(23,617)	(30,664)	(-3.7%)	(+6.1%)	(+3.7%)	(28.8%)	(23.7%)	(24.8%)	(20.1%)	(23.7%)	(22.7%)
Painting	60	266	326	70	413	483	+16.7%	+55.3%	+48.2%	0.9%	1.0%	1.0%	1.0%	1.4%	1.3%
Loading/unloading	286	1,211	1,497	412	1,337	1,749	+44.1%	+10.4%	+16.8%	4.5%	4.4%	4.5%	5.6%	4.7%	4.9%
Mechanical cutting				4	1	5									
Grinding/deburring	32	15	47	66	12	78									
Others	10	4	14	10		10									
Machining Units	328	1,230	1,558	492	1,350	1,842	+50.0%	+9.8%	+18.2%	5.1%	4.5%	4.6%	6.7%	4.7%	5.1%
(million yen)	(723)	(1,855)	(2,578)	(1,146)	(2,035)	(3,181)	(+58.5%)	(+9.7%)	(+23.4%)	(2.8%)	(2.0%)	(2.2%)	(3.3%)	(2.0%)	(2.4%)
Surface Mount Technology	219	2,386	2,605	396	2,513	2,909	+80.8%	+5.3%	+11.7%	3.4%	8.8%	7.7%	5.4%	8.8%	8.1%
General Assembly	1,318	6,506	7,824	1,675	4,534	6,209	+27.1%	-30.3%	-20.6%	20.6%	23.9%	23.3%	22.8%	15.9%	17.3%
Other Assembly	9	43	52	18	140	158	+100.0%	+225.6%	+203.8%	0.1%	0.2%	0.2%	0.2%	0.5%	0.4%
Bonding				1		1									
Soldering															
Sealing/glueing	5	31	36	3	36	39									
Screwing				2		2									
Others	4	12	16	12	104	116									
Assembly Units	1,327	6,549	7,876	1,693	4,674	6,367	+27.6%	-28.6%	-19.2%	20.7%	24.1%	23.4%	23.0%	16.4%	17.7%
(million yen)	(5,873)	(45,535)	(51,408)	(10,552)	(44,970)	(55,522)	(+79.7%)	(-1.2%)	(+8.0%)	(23.1%)	(48.6%)	(43.1%)	(30.0%)	(45.1%)	(41.2%)
Palletizing/depalletizing	146	358	504	158	684	842	+8.2%	+91.1%	+67.1%	2.3%	1.3%	1.5%	2.1%	2.4%	2.3%
Material handling	1,116	4,736	5,852	1,305	6,144	7,449	+16.9%	+29.7%	+27.3%	17.4%	17.4%	17.4%	17.7%	21.5%	20.7%
FPD	49	82	131	47	67	114	-4.1%	-18.3%	-13.0%		0.3%	0.4%	0.6%	0.2%	0.3%
Semiconductor	658	854	1,512	948	1,514	2,462	+44.1%	+77.3%	+62.8%	10.3%	3.1%	4.5%	12.9%	5.3%	6.9%
Others															
Cleanroom Units		936	1,643	995	1,581	2,576		+68.9%	+56.8%		3.4%	4.9%		5.5%	7.2%
(million yen)			(7,074)		(4,723)	(10,060)		(+41.0%)	(+42.2%)		(3.6%)	(5.9%)		(4.7%)	(7.5%)
Other applications	290	770	1,060		693	1,165		-10.0%	+9.9%		2.8%	3.2%		2.4%	3.2%
Total Units	-	27,215	33,616	7,354	28,573	35,927	+14.9%	+5.0%	+6.9%		100.0%	100.0%		100.0%	100.0%
(million yen)	(25,462)	(93,767)	(119,229)	(35,124)	(99,779)	(134,903)	(+37.9%)	(+6.4%)	(+13.1%)	(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 2015 Results Shipments of Manipulators and Robots by Industrial Branches [JARA Member Companies]

-			•	Number	of units, ():	million yen
Industrial branches	2014	2015	Change	Percentage distribution		
		Apr-Jun	Apr-Jun	from 2014	2014	2015
Metal products		253	443	+75.1%	4.0%	6.0%
Construction and mining machinery	,	21	22	+4.8%	0.3%	0.3%
Metalworking machinery		138	100	-27.5%	2.2%	1.4%
Other machinery and equipment		182	389	+113.7%	2.8%	5.3%
Machinery and equipment	Units	341	511	+49.9%	5.3%	6.9%
	(million yen)	(1,075)	(2,680)	(+149.4%)	(4.2%)	(7.6%)
Electronic computers		8	18	+125.0%	0.1%	0.2%
Consumer electrical machinery		100	385	+285.0%	1.6%	5.2%
Industrial electrical machinery		49	325	+563.3%	0.8%	4.4%
Communication equipment		270	187	-30.7%	4.2%	2.5%
Video and audio equipment		0	4		0.0%	0.1%
Electronic components/devices/circ	696	832	+19.5%	10.9%	11.3%	
Other electrical machinery		610	1,051	+72.3%	9.5%	14.3%
Electrical machinery	Units	1,733	2,802	+61.7%	27.1%	38.1%
	(million yen)	(8,098)	(13,676)	(+68.9%)	(31.8%)	(38.9%)
Precision instruments		94	111	+18.1%	1.5%	1.5%
Motor vehicles		1,004	617	-38.5%	15.7%	8.4%
Auto parts		1,595	1,511	-5.3%	24.9%	20.5%
Motor vehicles and auto parts	Units	2,599	2,128	-18.1%	40.6%	28.9%
	(million yen)	(9,670)	(9,191)	(-5.0%)	(38.0%)	(26.2%)
Food products, beverages, and tobac	cco products	124	121	-2.4%	1.9%	1.6%
Plastic products		457	256	-44.0%	7.1%	3.5%
Chemical products		83	45	-45.8%	1.3%	0.6%
Other industries		717	904	+26.1%	11.2%	12.3%
Non-manufacturing industry		0	33		0.0%	0.4%
Total domestic shipments	Units	6,401	7,354	+14.9%	100.0%	100.0%
					19.0%	20.5%
	(million yen)	(25,462)	(35,124)	(+37.9%)	(100.0%)	(100.0%)
	((,,	(,	(1011070)	(21.4%)	(26.0%)
Export	Units	27,215	28,573	+5.0%	81.0%	79.5%
•	(million yen)	(93,767)	(99,779)	(+6.4%)	(78.6%)	(74.0%)
Grand total	Units	33,616	35,927	+6.9%	100.0%	100.0%
	(million yen)	•		(+13.1%)	(100.0%)	(100.0%)
Note) 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.