

Third Quarter (July - September) 2007 Results
Production and Shipments of Manipulators and Robots by Application Areas (based on Value)
(JARA Member Companies)

(Unit: million yen)

| Production | July - September 2006 | July - September 2007 | Change from 2006 |
|------------|-----------------------|-----------------------|------------------|
| | 149,138 | 163,335 | 9.5% |

| Shipments | July - September 2006 | | | July - September 2007 | | | Change from 2006 | | | July - September 2006 (percentage distribution) | | | July - September 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 | 2,611 | 3,170 | 5,781 | 4,110 | 2,870 | 6,980 | 57.4% | -9.5% | 20.7% | 4.9% | 3.3% | 3.9% | 7.0% | 2.6% | 4.1% |
| Arc welding | (8,118) | (4,734) | (12,852) | (7,518) | (6,765) | (14,282) | -7.4% | 42.9% | 11.1% | 15.1% | 4.9% | 8.6% | 12.8% | 6.1% | 8.5% |
| Spot welding | (6,145) | (5,739) | (11,884) | (4,645) | (9,461) | (14,106) | -24.4% | 64.9% | 18.7% | 11.4% | 6.0% | 8.0% | 7.9% | 8.6% | 8.4% |
| Gas welding | | | | | | | | | | | | | | | |
| Laser welding | (122) | (4) | (126) | (2) | (2) | (4) | | | | | | | | | |
| Others | (12) | (12) | (24) | (42) | (7) | (49) | | | | | | | | | |
| Welding | 14,397 | 10,489 | 24,886 | 12,206 | 16,235 | 28,442 | -15.2% | 54.8% | 14.3% | 26.8% | 11.0% | 16.7% | 20.8% | 14.7% | 16.9% |
| Loading/unloading | (1,826) | (977) | (2,803) | (1,363) | (1,468) | (2,831) | | | | | | | | | |
| Mechanical cutting | (2) | (2) | (4) | | | | | | | | | | | | |
| Grinding/deburring | (239) | (13) | (252) | (224) | (5) | (229) | | | | | | | | | |
| Others | (58) | | (58) | (23) | (6) | (29) | | | | | | | | | |
| Machining | 2,125 | 992 | 3,117 | 1,610 | 1,479 | 3,089 | -24.3% | 49.1% | -0.9% | 4.0% | 1.0% | 2.1% | 2.7% | 1.3% | 1.8% |
| General Assembly | 4,370 | 1,885 | 6,255 | 4,380 | 1,717 | 6,098 | 0.2% | -8.9% | -2.5% | 8.1% | 2.0% | 4.2% | 7.5% | 1.6% | 3.6% |
| Surface Mount Technology | 15,097 | 55,286 | 70,384 | 15,556 | 70,573 | 86,130 | 3.0% | 27.7% | 22.4% | 28.1% | 57.7% | 47.1% | 26.6% | 64.1% | 51.1% |
| Other Assembly | 194 | 380 | 574 | 367 | 191 | 558 | 89.3% | -49.7% | -2.7% | 0.4% | 0.4% | 0.4% | 0.6% | 0.2% | 0.3% |
| (Bonding) | | | | | | | | | | | | | | | |
| (Soldering) | | | | | | | | | | | | | | | |
| (Sealing/glueing) | (175) | (365) | (540) | (357) | (182) | (539) | | | | | | | | | |
| (Screwing) | (16) | | (16) | | | | | | | | | | | | |
| (Others) | (3) | (15) | (18) | (10) | (9) | (19) | | | | | | | | | |
| Assembly | 19,661 | 57,552 | 77,213 | 20,303 | 72,482 | 92,785 | 3.3% | 25.9% | 20.2% | 36.6% | 60.1% | 51.7% | 34.7% | 65.8% | 55.0% |
| Material handling | 4,373 | 4,350 | 8,723 | 4,113 | 5,999 | 10,111 | -5.9% | 37.9% | 15.9% | 8.1% | 4.5% | 5.8% | 7.0% | 5.4% | 6.0% |
| Painting | 1,607 | 5,095 | 6,702 | 2,966 | 2,093 | 5,059 | 84.5% | -58.9% | -24.5% | 3.0% | 5.3% | 4.5% | 5.1% | 1.9% | 3.0% |
| (FPD) | (3,731) | (9,772) | (13,503) | (5,029) | (3,825) | (8,854) | 34.8% | -60.9% | -34.4% | 7.0% | 10.2% | 9.0% | 8.6% | 3.5% | 5.2% |
| (Semiconductor) | (1,483) | (1,566) | (3,049) | (3,738) | (2,169) | (5,907) | 152.1% | 38.5% | 93.8% | 2.8% | 1.6% | 2.0% | 6.4% | 2.0% | 3.5% |
| (Others) | | | | | | | | | | | | | | | |
| Cleanroom | 5,213 | 11,338 | 16,551 | 8,767 | 5,994 | 14,761 | 68.2% | -47.1% | -10.8% | 9.7% | 11.8% | 11.1% | 15.0% | 5.4% | 8.8% |
| Other applications | 3,685 | 2,755 | 6,440 | 4,502 | 2,944 | 7,445 | 22.2% | 6.9% | 15.6% | 6.9% | 2.9% | 4.3% | 7.7% | 2.7% | 4.4% |
| Total | 53,673 | 95,740 | 149,413 | 58,577 | 110,095 | 168,672 | 9.1% | 15.0% | 12.9% | 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) 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 | 1,805 | 1,652 | -8.5% | 3.4% | 2.8% |
| Construction Machinery | (767) | (730) | -4.8% | 1.4% | 1.2% |
| Metalworking machinery | (370) | (304) | -17.9% | 0.7% | 0.5% |
| Other machinery and equipment | (1,547) | (1,703) | 10.1% | 2.9% | 2.9% |
| Machinery and equipment | 2,684 | 2,736 | 1.9% | 5.0% | 4.7% |
| Computers | (1,402) | (815) | -41.8% | 2.6% | 1.4% |
| Consumer electrical machinery | (393) | (291) | -26.0% | 0.7% | 0.5% |
| Industrial electrical machinery | (1,825) | (2,229) | 22.1% | 3.4% | 3.8% |
| Info-communications equipment | (8,685) | (10,360) | 19.3% | 16.2% | 17.7% |
| VTR | (116) | (97) | -16.1% | 0.2% | 0.2% |
| Electronic components/devices | (3,464) | (5,399) | 55.9% | 6.5% | 9.2% |
| Other electrical machinery | (3,539) | (4,450) | 25.8% | 6.6% | 7.6% |
| Electrical machinery | 19,423 | 23,642 | 21.7% | 36.2% | 40.4% |
| Precision and optical instruments | 889 | 1,261 | 42.0% | 1.7% | 2.2% |
| Motor vehicles | (8,441) | (7,183) | -14.9% | 15.7% | 12.3% |
| Auto parts | (12,297) | (11,691) | -4.9% | 22.9% | 20.0% |
| Motor vehicles and auto parts | 20,738 | 18,873 | -9.0% | 38.6% | 32.2% |
| Food products, beverages, and tobacco products | 596 | 722 | 21.1% | 1.1% | 1.2% |
| Plastic products | 2,549 | 3,981 | 56.2% | 4.7% | 6.8% |
| EMS companies (Subconstructors) | 146 | 111 | | 0.3% | 0.2% |
| Non-manufacturing | 1,287 | 443 | -65.6% | 2.4% | 0.8% |
| Other industries | 3,558 | 5,156 | 44.9% | 6.6% | 8.8% |
| Total domestic shipments | 53,673 | 58,577 | 9.1% | 100.0% | 100.0% |
| | | | | (35.9%) | (34.7%) |
| Export | 95,740 | 110,095 | 15.0% | (64.1%) | (65.3%) |
| Grand total | 149,413 | 168,672 | 12.9% | (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.