

General Situation

This survey report provides a summary of “2002 Census of Manufacture” carried out on December 31, 2002, and the following sections detail the number of establishments with 4 or more employees that are engaged in manufacturing industry by commodity and further give the value of shipments by industry and by prefecture accordingly.

1. The number of establishments

As the following table shows, “Planograph (offset) printing” establishments occupy the largest portion of all, and the next comings are “Miscellaneous fabricated plate and sheet metal products” and “manufacture of lumber and wood products” associated groups, namely “Fittings, except metal fittings”, “Boards less than 7.5 cm depth of minimum cross section, with more than 4 times width larger than depth”, “Squares 7.5 cm or more depth and width” and “Lumbers less than 7.5 cm depth of minimum cross section, with less than 4 times width larger than depth”. In addition to those groups, we see that establishments associated with “manufacture of food” industry also occupy a substantial part.

“Planograph (offset) printing” industry is anyway predominant in Tokyo, Osaka and Aichi, and the total number of “Planograph (offset) printing” establishments of the three prefectures commands a little over 30% of all. As far as “Miscellaneous fabricated plate and sheet metal products” concerned, Aichi, Osaka and Kanagawa assume dominant positions, and the total number of “Miscellaneous fabricated plate and sheet metal” establishments of the three prefectures commands nearly 30% of all (see Table 1).

Table 1 Top 30 Commodities – Establishments Engaged in Manufacturing Industry
(Establishments with 4 or more employees, in the year 2002)

| Rank () represents previous year's rank | Commodity names | Number of establishments engaged in manufacturing industry | | Major prefectures | | |
|--|--|--|------|-------------------|----------|----------|
| | | | Y/Y | First | Second | Third |
| 1 (1) | Planograph (offset) printing | 11,048 | -448 | Tokyo | Osaka | Aichi |
| 2 (2) | Miscellaneous fabricated plate and sheet metal products | 5,279 | -550 | Aichi | Osaka | Kanagawa |
| 3 (3) | Fittings, except metal fittings | 4,234 | -797 | Hokkaido | Aichi | Fukuoka |
| 4 (4) | Boards less than 7.5 cm depth of minimum cross section, with more than 4 times width larger than depth | 4,110 | -382 | Hokkaido | Shizuoka | Niigata |
| 5 (5) | Squares 7.5 cm or more depth and width | 4,013 | -389 | Shizuoka | Hokkaido | Mie |
| 6 (6) | Lumbers less than 7.5 cm depth of minimum cross section, with less than 4 times width larger than depth | 3,992 | -389 | Hokkaido | Shizuoka | Niigata |
| 7 (7) | Miscellaneous processed foods | 3,855 | -263 | Hokkaido | Aichi | Osaka |
| 8 (8) | Fresh concrete | 3,754 | -149 | Hokkaido | Hyogo | Aichi |
| 9 (9) | Steelworks | 3,206 | -391 | Aichi | Saitama | Osaka |
| 10 (10) | Japanese-style pastries and cakes | 3,188 | -100 | Aichi | Hokkaido | Niigata |
| 11 (12) | Miscellaneous seafood products | 3,107 | 90 | Hokkaido | Shizuoka | Miyagi |
| 12 (15) | Miscellaneous fabricated construction-use metal products | 2,919 | -48 | Osaka | Hokkaido | Saitama |
| 13 (11) | Relief (anastatic) printing | 2,889 | -349 | Tokyo | Osaka | Hokkaido |
| 14 (14) | Corrugated board boxes | 2,854 | -141 | Osaka | Aichi | Saitama |
| 15 (16) | Japanese noodles | 2,711 | -85 | Nagasaki | Kagawa | Hokkaido |
| 16 (13) | Stamped and pressed machinery parts, without machine finishing | 2,691 | -318 | Aichi | Osaka | Tokyo |
| 17 (18) | Soy bean curd, frozen and dried soy bean curd and fried bean curd | 2,563 | -138 | Hokkaido | Aichi | Niigata |
| 18 (19) | Parts, fittings and accessories of metal working machines | 2,513 | -166 | Aichi | Osaka | Shizuoka |
| 19 (20) | Molds for pressing | 2,496 | -156 | Aichi | Osaka | Kanagawa |
| 20 (21) | Molds for plastics | 2,461 | -151 | Aichi | Osaka | Tokyo |
| 21 (23) | Miscellaneous parts of motor vehicles, including parts of motorcycles | 2,427 | -36 | Aichi | Shizuoka | Saitama |
| 22 (22) | Wooden cabinets and shelves | 2,413 | -144 | Fukuoka | Shizuoka | Hokkaido |
| 23 (25) | Miscellaneous prefabricated architectural metal products | 2,269 | -72 | Osaka | Hokkaido | Saitama |
| 24 (29) | Plastic products for automobiles | 2,229 | 55 | Aichi | Shizuoka | Saitama |
| 25 (24) | Miscellaneous wooden furniture, except Japanese lacquered furniture | 2,129 | -226 | Shizuoka | Aichi | Osaka |
| 26 (28) | Western-style pastries and cakes | 2,124 | -92 | Aichi | Hokkaido | Tokyo |
| 27 (30) | Plastic products for electrical machinery and apparatus | 2,099 | -65 | Osaka | Aichi | Kanagawa |
| 28 (26) | Parts, attachments and accessories of miscellaneous general industrial machinery and equipment | 2,010 | -310 | Osaka | Aichi | Tokyo |
| 29 (27) | Photoengraving, including phototypesetting | 2,002 | -225 | Tokyo | Osaka | Aichi |
| 30 (32) | Signboards, signs and display equipment, not electrical and mechanical | 1,986 | -75 | Tokyo | Osaka | Aichi |

Note 1: Several commodity names listed in the above table are abbreviated or otherwise supplemented. This rule also applies to the other tables and figures.

Note 2: Wastes, scraps and byproducts originating commodities are omitted from the above table. This rule also applies to the other tables and figures.

2. Shipment values by commodity

According to the shipment values by commodity, automobile associated groups, “Ordinary passenger cars, 2000 ml cylinder capacity or more”, “Light and small passenger cars, less than 2000 ml cylinder capacity” and “Miscellaneous parts of motor vehicles” to be more specific, won high ranking, and a large number of the automobile associated products groups showed an upturn trend on a year-over-year basis and their ranks moved up correspondingly. Speaking of the information and communication electronics equipment industry, “Metal oxide semiconductor IC”, “Miscellaneous electronic parts”, “Personal computers”, “Cellular telephone sets and PHS telephone sets” and “Liquid crystal elements” remained strong and ranked at higher places, but products groups other than “Miscellaneous electronic parts” have shrunk in shipment volume as compared with the previous year’s ranks (see Table 2).

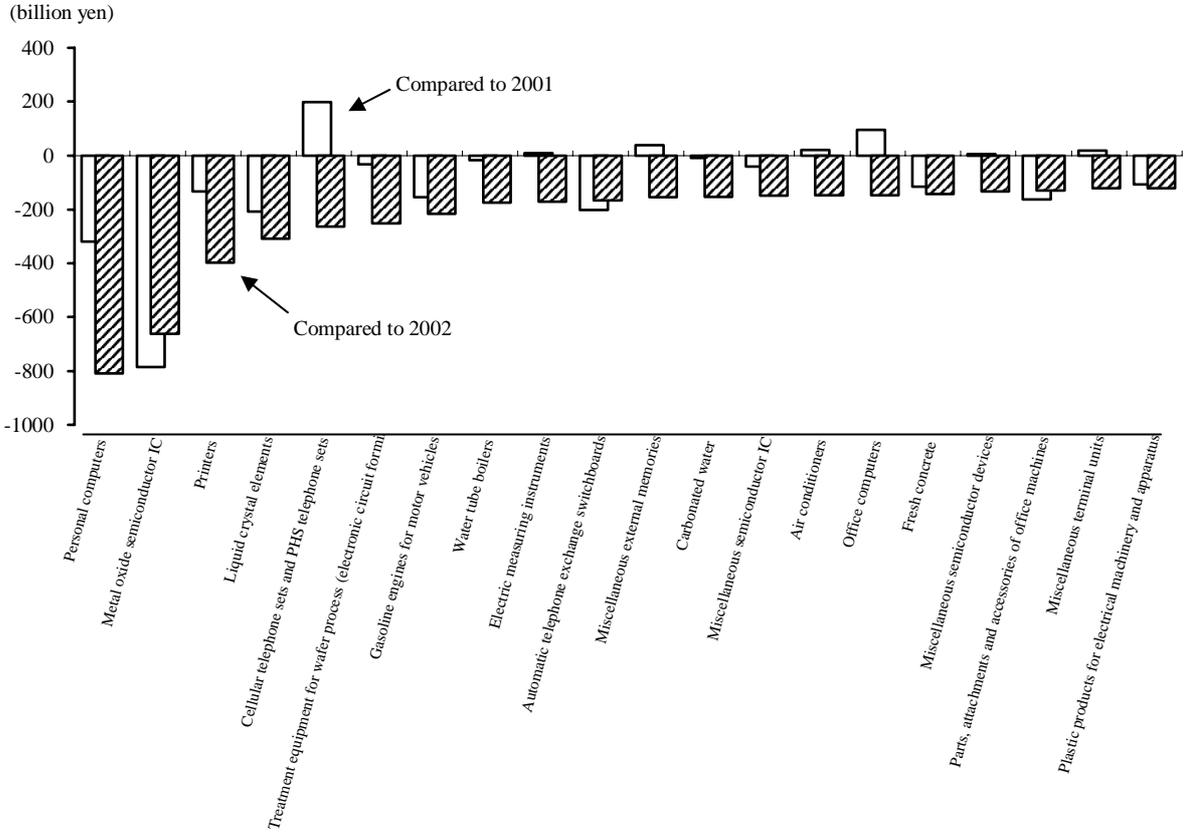
Table 2 Top 30 Commodities – Based upon the Value of Manufactured Goods Shipments (Establishments with 4 or more employees, in the year 2002)

| Rank () represents previous year’s rank | Commodity names | Shipment values | | Major prefectures | | |
|---|--|------------------|------------|-------------------|----------|-----------|
| | | (million yen) | Y/Y (%) | First | Second | Third |
| 1 (1) | Ordinary passenger cars, 2000 ml cylinder capacity or more, including chassis | 7,175,471 | 6.6 | Aichi | Fukuoka | Kanagawa |
| 2 (2) | Light and small passenger cars, less than 2000 ml cylinder capacity, including chassis | 6,743,687 | 7.6 | Aichi | Mie | Shizuoka |
| 3 (4) | Miscellaneous parts of motor vehicles, including parts of motorcycles | 6,036,745 | 6.0 | Aichi | Shizuoka | Kanagawa |
| 4 (3) | Medical products preparations including preparations outside medicines | 5,837,451 | -0.0 | Osaka | Saitama | Shizuoka |
| 5 (5) | Planograph (offset) printing | 4,478,323 | -2.4 | Tokyo | Osaka | Saitama |
| 6 (8) | Parts of driving, transmission and operating units | 4,144,109 | 11.7 | Aichi | Shizuoka | Tochigi |
| 7 (6) | Gasoline | 4,137,720 | -1.9 | Kanagawa | Chiba | Osaka |
| 8 (7) | Metal oxide semiconductor IC | 3,107,416 | -17.6 | Oita | Tokyo | Toyama |
| 9 (11) | Parts, attachments and accessories of internal combustion engines for motor vehicles | 2,791,597 | 9.4 | Aichi | Shizuoka | Saitama |
| 10 (12) | Miscellaneous electronic parts | 2,742,066 | 16.9 | Aichi | Mie | Kagoshima |
| 11 (9) | Cigarettes, cigars and pipe tobacco | 2,696,150 | -1.2 | Tochigi | Shizuoka | Kyoto |
| 12 (13) | Parts of chassis and bodies | 2,407,365 | 4.1 | Aichi | Kanagawa | Shizuoka |
| 13 (14) | Trucks, including tractors | 2,271,028 | -0.8 | Aichi | Kanagawa | Gunma |
| 14 (10) | Personal computers | 1,850,254 | -30.4 | Yamagata | Tokyo | Shimane |
| 15 (16) | Beers | 1,718,723 | -5.2 | Ibaraki | Fukuoka | Aichi |
| 16 (15) | Cellular telephone sets and PHS telephone sets | 1,588,605 | -14.3 | Shizuoka | Saitama | Hiroshima |
| 17 (17) | Fresh concrete | 1,561,561 | -8.4 | Tokyo | Kanagawa | Hokkaido |
| 18 (23) | KD sets (passenger cars, buses and trucks) | 1,373,105 | 9.4 | Aichi | Shizuoka | Hiroshima |
| 19 (18) | Gasoline engines for motor vehicles | 1,295,378 | -14.3 | Aichi | Kanagawa | Fukushima |
| 20 (20) | Miscellaneous processed foods | 1,261,605 | -5.9 | Ibaraki | Osaka | Saitama |
| 21 (21) | Iron and steel cut products, including iron and steel cast products | 1,239,272 | -7.0 | Aichi | Osaka | Chiba |
| 22 (24) | Plastic products for automobiles | 1,208,396 | 3.5 | Aichi | Shizuoka | Gunma |
| 23 (22) | Corrugated board boxes | 1,190,159 | -6.0 | Aichi | Saitama | Osaka |
| 24 (27) | Truck bodies | 1,188,876 | 9.7 | Aichi | Mie | Kanagawa |
| 25 (28) | Passenger car bodies | 1,170,292 | 10.7 | Aichi | Shizuoka | Kanagawa |
| 26 (19) | Liquid crystal elements | 1,115,306 | -21.7 | Chiba | Nara | Nagano |
| 27 (25) | Parts of suspension and brake systems | 1,078,912 | -2.2 | Aichi | Nagano | Saitama |
| 28 (30) | Miscellaneous seafood products | 1,034,426 | 0.8 | Hokkaido | Fukuoka | Hyogo |
| 29 (32) | Light oil | 1,022,401 | 0.6 | Chiba | Kanagawa | Okayama |
| 30 (31) | Chop of meat and frozen meat, except broilers | 997,595 | -2.5 | Kagoshima | Hokkaido | Miyazaki |

When compared with the previous year's records, 72% of all the commodity items (1263 items) (see Note) dropped in shipment value and that percentage corresponds to the one (72%) recoded in the previous year.

Of those product groups showed a downturn trend, "Personal computers" and "Printers" have declined due to production shift to overseas factories, "Metal oxide semiconductor IC" has dropped sharply because of flagging demand from IT industry. Besides, shipment values of information and communication electronics products including "Liquid crystal elements", "Cellular telephone sets and PHS telephone sets", "Miscellaneous external memories" and several others have greatly fallen short of the records taken in the previous year.

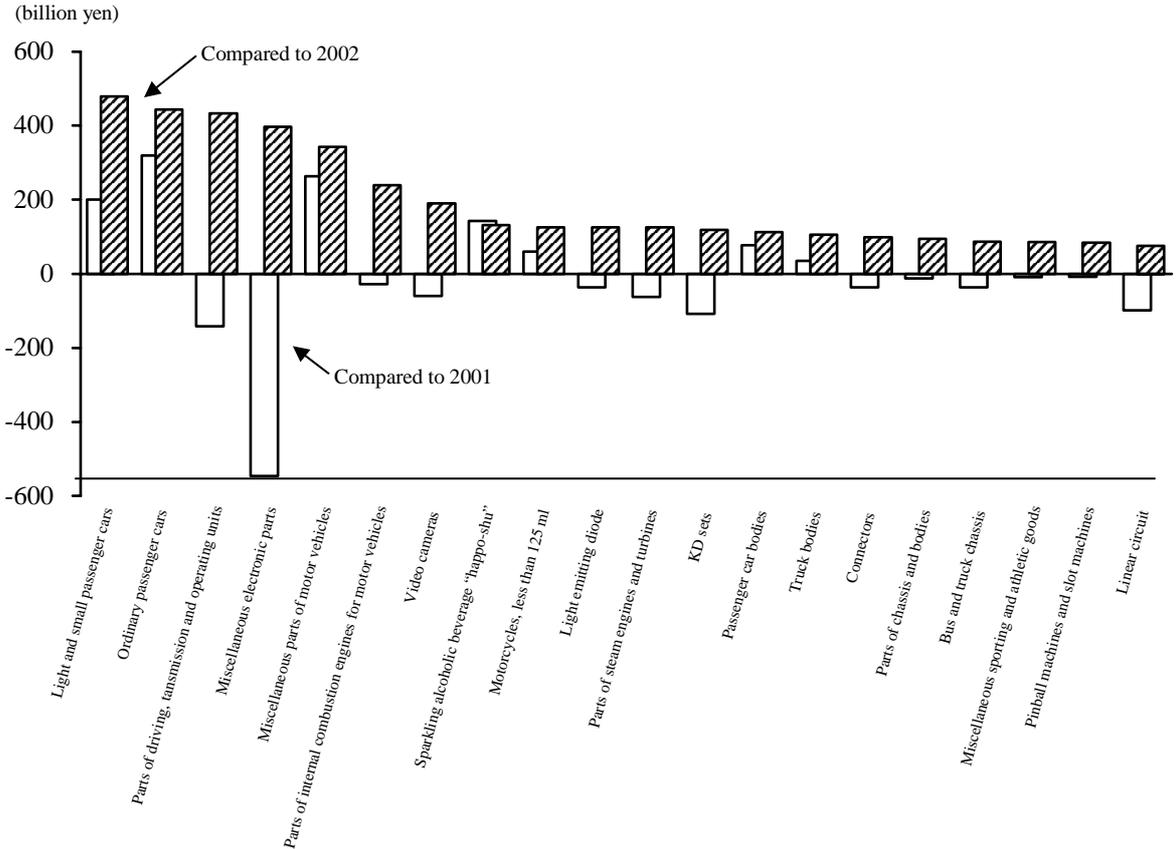
The lowest 20 commodities that showed a decrease in shipment value over the previous year
(Establishments with 4 or more employees)



Note: The differences were calculated without any consideration of the product items that were newly added and redefined in 2002.

When taking a look at the graph showing the upward trend product groups, many of them are automobile associated groups such as “Light and small passenger cars, less than 2000 ml cylinder capacity, including chassis”, “Ordinary passenger cars, 2000 ml cylinder capacity or more, including chassis” and others. Other than those groups, “Sparkling alcoholic beverage ‘happo-shu’” and “Pinball machines and slot machines” have boost business.

The highest 20 commodities that showed an increase in shipment value over the previous year
(Establishments with 4 or more employees)



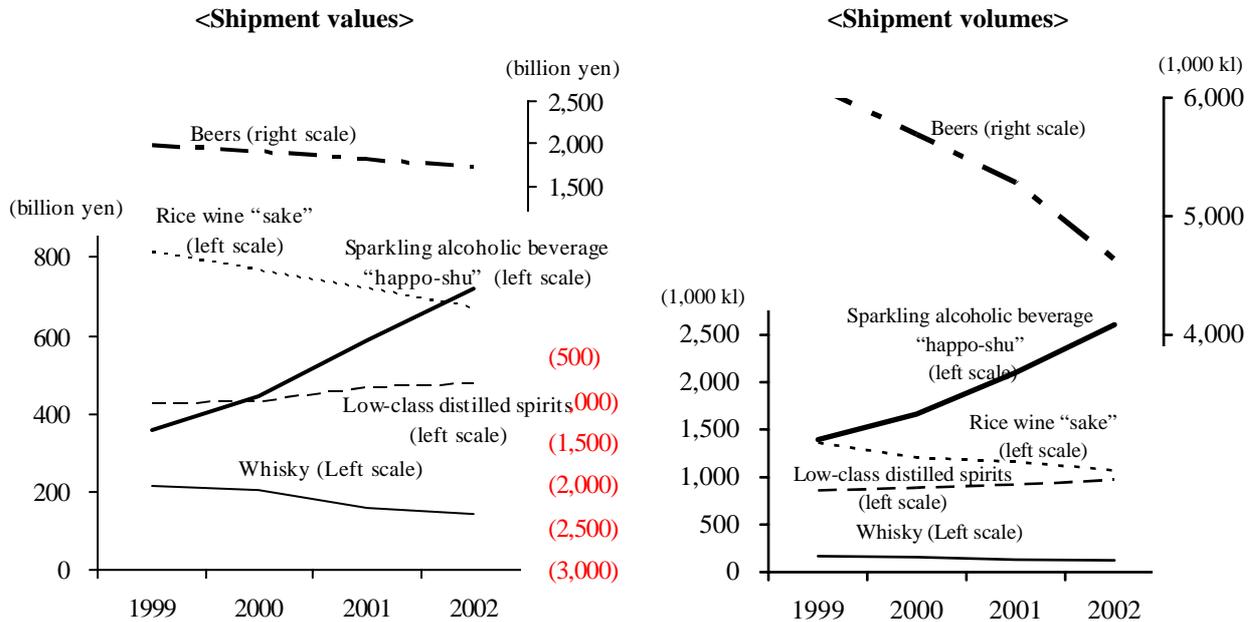
Note: The differences were calculated without any consideration of the product items that were newly added and redefined in 2002.

3. Shipment values by industry and by commodity

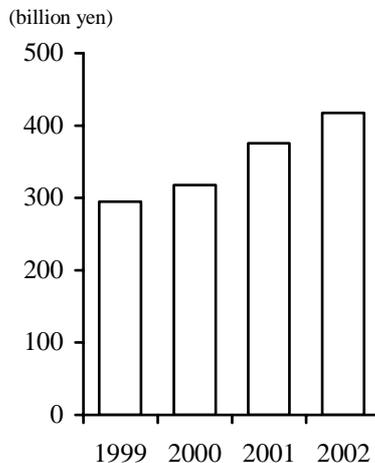
When closely examining the shipment value data by industry and by commodity:

- (1) The two large-shipment items in the “manufacture of beverages, tobacco and feed” industry, in other words “Cigarettes, cigars and pipe tobacco” and “Beers” showed a downturn trend, while “Sparkling alcoholic beverage ‘happo-shu’” was on the rise and has overtaken “Rice wine ‘sake’” in shipment volume in 2002 for the first time. Additionally, “Tea drinks” were on the increase thanks to a rising health-oriented tide and because of the debut of new products that are directed toward the needs of consumer.

Alcoholic Drinks – Shipment Values/Shipments Volumes

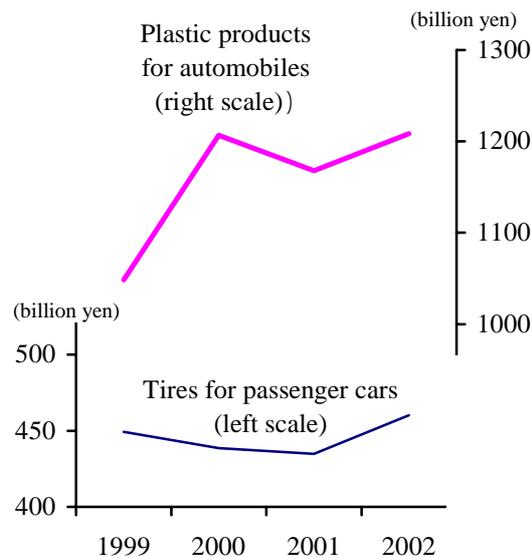


Tea Drinks Shipment Values



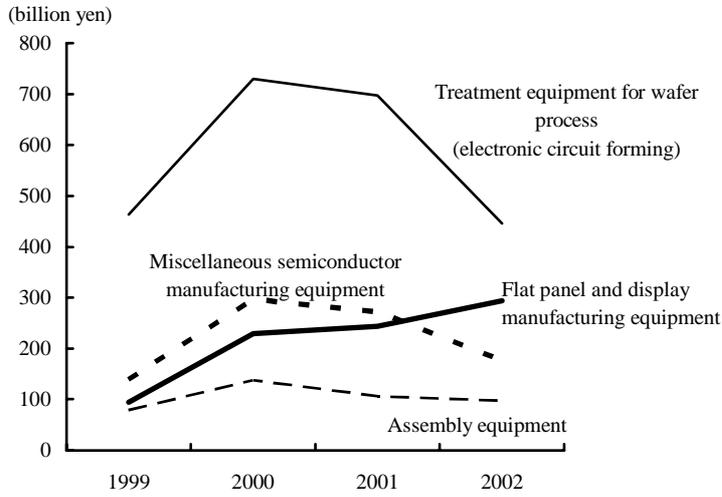
- (2) As far as the “manufacture of apparel and other finished products made from fabrics and similar materials” industry group concerned, the allied commodities fell almost across the board by a large value against the backdrop of imported products overflowing.
- (3) In the “manufacture of plastic products, except otherwise classified” industry group, “Plastic products for automobiles”, and in the “rubber products” industry group, “Passenger cars, buses, trucks” tires have went up thanks to the production ramp-up of automobiles.

**Plastic Products for Automobiles & Tires
for Passenger cars Shipment Values**

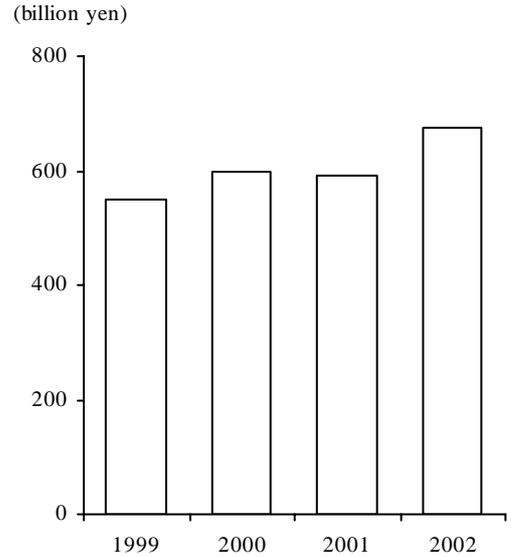


- (4) In the “general machinery” industry group, “Treatment equipment for wafer process (electronic circuit forming)”, “Assembly equipment” and “Miscellaneous semiconductor manufacturing equipment” among the semiconductor manufacturing equipment were down, but “Flat panel and display manufacturing equipment” was on the rise tendency. Other commodities also on the rise tendency are “Pinball machines and slot machines” thanks to popular models and new models introduction effects.

Semiconductor Manufacturing Equipment Shipment Values

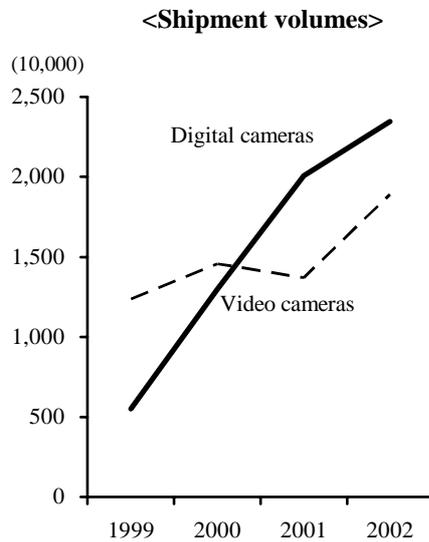
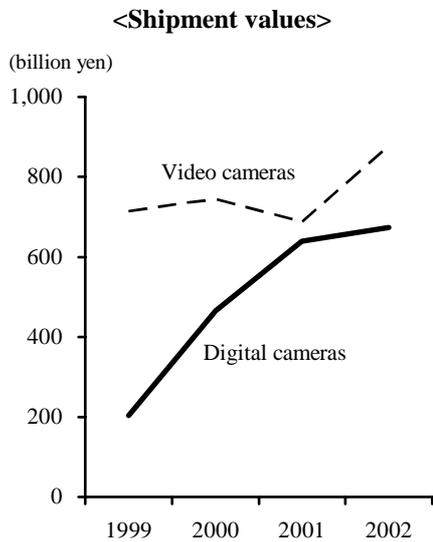


Pinball Machines and Slot Machines Shipment Value



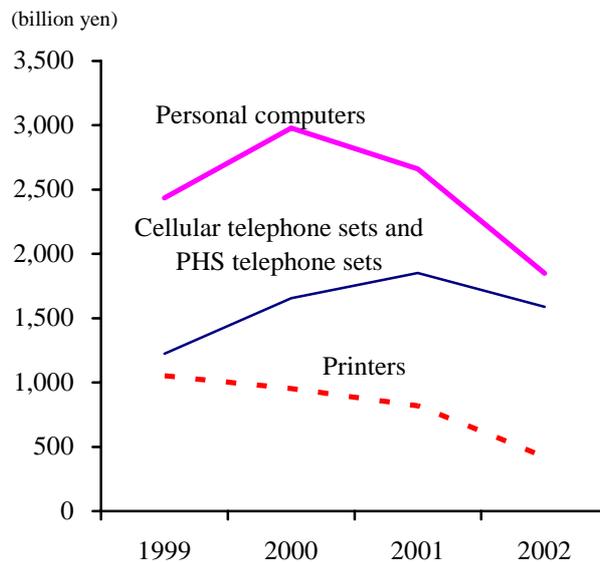
- (5) When looking in the “Electrical machinery, equipment and supplies” industry group, several product items such as “Video cameras” and “Digital cameras” increased the sales buttressed by the expansion of internal/external demand.

Video Cameras and Digital Cameras Shipment Values and Shipment Volumes



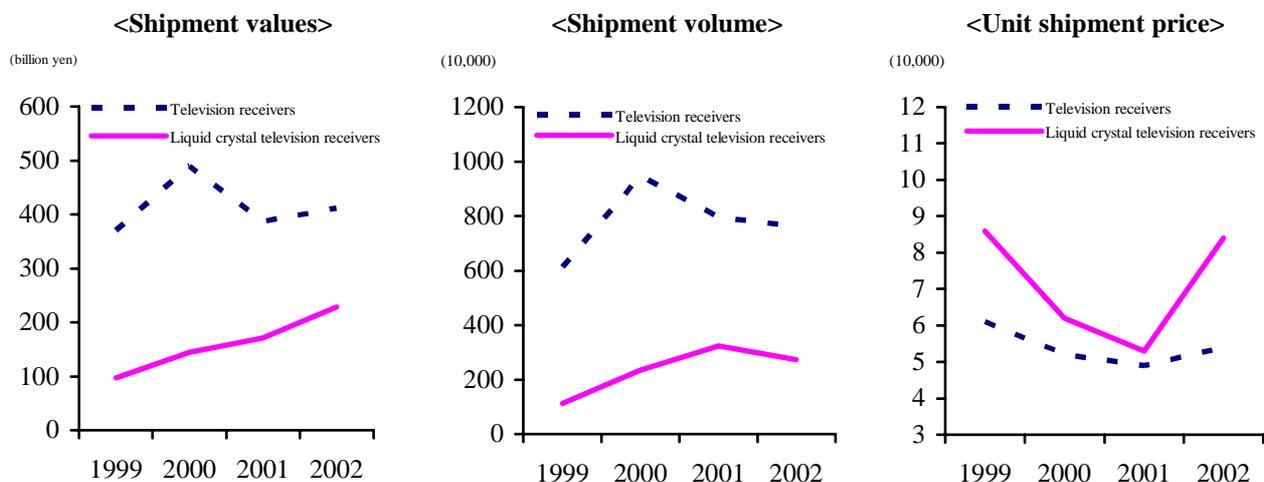
- (6) Regarding the commodities included in the “Information and communication electronics equipment” industry group, “Personal computers” and “Printers” have dropped due to production shift to overseas factories, and “Cellular telephone sets and PHS telephone sets” turned to positive as a consequence of market saturation.

Personal Computers, Printers, Cellular Telephone Sets and PHS Telephone Sets Shipment Values



The shipment values of both “Television receivers” and “Liquid crystal television receivers” have recovered, but the shipment volumes of the two product items have dropped partly because of the production shift to overseas factories. As the following unit shipment price data indicates, the sales increase seems to be more or less brought by the high demand for oversized TV models fueled by Japan-Korea co-sponsored World Cup Games.

Television receivers, liquid crystal television receivers Shipment values, shipment volumes and unit shipment price data

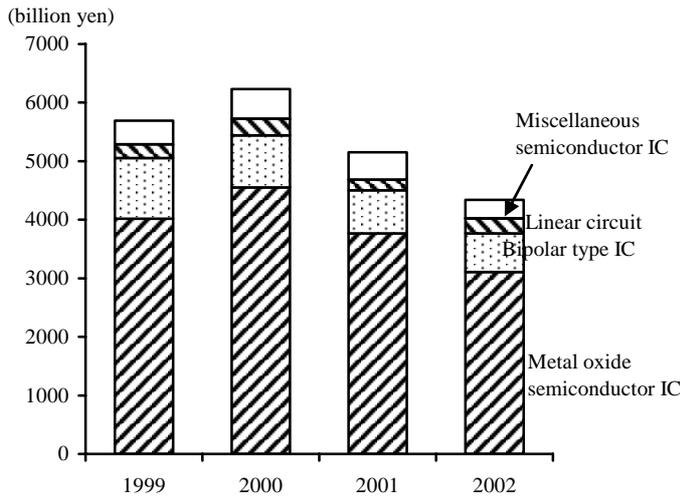


Note: Unit shipment price = shipment value / shipment volume

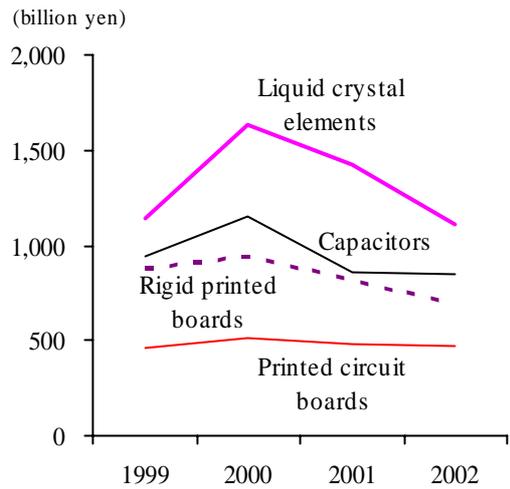
- (7) In the “Electronic parts and devices” industry group, many of the electronic part commodities have went down for two years in a row because of flagging demand from IT industry, and in the “Semiconductor IC” group, “Metal oxide semiconductor IC” has decreased drastically.

Semiconductor IC & Electronic Parts – Shipment Value Upper-ranked Commodities

Semiconductor IC Shipment Values



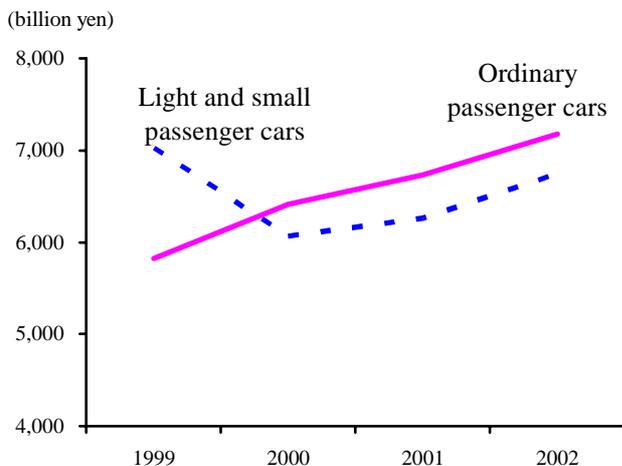
Liquid Crystal Elements, Capacitors, Rigid Printed Boards, Printed Circuit Boards Shipment Values



- (8) In the “Transportation equipment” group, nevertheless “Ordinary passenger cars” for the home market has decreased, the gross shipment value has climbed because of a steady upturn in exporting, and “Light and small passenger cars” increased sales by the introduction of new models for the home market.

Passenger Cars Shipment Values and Shipment Volumes

Passenger cars shipment values



Passenger Cars Shipment Volumes

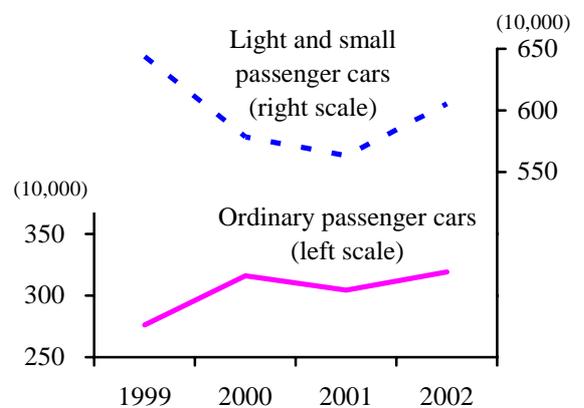


Table 3 Shipment Value Upper-ranked Commodities by Industry
(Establishments with 4 or more employees, in the year 2002)

| Industrial classification | Item number | Commodity names | Numbers of establishments engaged in manufacturing industry | | Shipment values | |
|--|-------------|---|---|------|-----------------|---------|
| | | | | Y/Y | (million yen) | Y/Y (%) |
| Food | | | | | | |
| | 099939 | Miscellaneous processed foods | 3,855 | -263 | 1,261,605 | -5.9 |
| | 092919 | Miscellaneous seafood products | 3,107 | 90 | 1,034,426 | 0.8 |
| | 091111 | Chop of meat and frozen meat, except broilers | 775 | -33 | 997,595 | -2.5 |
| | 099933 | Sushi and box lunches | 1,277 | -109 | 801,452 | -4.9 |
| | 094919 | Miscellaneous seasonings | 808 | 1 | 790,095 | -1.6 |
| | 099511 | Precooked frozen foods | 1,005 | -31 | 784,917 | -6.3 |
| | 099611 | Side-dish foods | 1,903 | -67 | 759,613 | 8.0 |
| | 096111 | Cleaned and polished rice, including crushed rice | 373 | -39 | 758,419 | 8.0 |
| | 091113 | Meat products | 620 | -19 | 729,333 | -0.7 |
| | 092611 | Frozen seafood products (processed and packaged) | 1384 | 18 | 683,177 | 4.7 |
| Beverages, tobacco and feed | | | | | | |
| | 105111 | Cigarettes, cigars and pipe tobacco | 26 | 1 | 2,696,150 | -1.2 |
| | 102211 | Beers | 98 | -6 | 1,718,723 | -5.2 |
| | 106111 | Balanced compound feeds | 297 | -12 | 732,448 | 4.3 |
| | 102416 | Sparkling alcoholic beverage "happo-shu" | 37 | -1 | 719,488 | 22.3 |
| | 102311 | Rice wine "sake", including unrefined "sake" | 1,448 | -74 | 670,249 | -7.1 |
| | 102412 | Low-class distilled spirits | 523 | 6 | 475,982 | 2.3 |
| | 101111 | Carbonated water | 160 | -16 | 452,592 | -25.2 |
| | 101114 | Tea drinks | 145 | 10 | 417,964 | 11.2 |
| | 101112 | Juice | 355 | 25 | 401,030 | 19.5 |
| | 101113 | Coffee drinks, including coffee with milk | 133 | -2 | 389,022 | -17.1 |
| Textile mill products | | | | | | |
| | 119311 | Press felt fabric including needle, boned fabric (dry) | 155 | -3 | 184,408 | 0.1 |
| | 119419 | Miscellaneous textile mats and similar products | 148 | -16 | 90,937 | -0.9 |
| | 119412 | Tufted carpets | 45 | -1 | 84,230 | -9.6 |
| | 114311 | Combed woolen fabric | 94 | -18 | 74,032 | -15.0 |
| | 119511 | Coated, water-proof fabrics | 66 | 0 | 64,803 | -18.0 |
| | 112111 | Pure cotton yarn, including yarn waste | 54 | -1 | 62,883 | -2.4 |
| | 114245 | Polyester line fabric | 163 | 1 | 52,214 | -11.6 |
| | 118511 | Narrow fabrics | 340 | -45 | 48,339 | -7.6 |
| | 119312 | Press felt products | 76 | -4 | 43,881 | -1.9 |
| | 115111 | Cotton tubular knit fabric | 118 | -9 | 39,441 | -10.0 |
| Apparel and other finished products | | | | | | |
| | 129919 | Fabricated textile products, n.e.c., including knitted ones | 1,120 | -76 | 251,428 | -5.3 |
| | 121511 | Business, work and sanitary clothing | 507 | -45 | 131,348 | -7.4 |
| | 122312 | Women's and girl's knitted sweaters, cardigans and vests | 573 | -65 | 104,364 | -9.6 |
| | 125411 | Socks | 287 | -61 | 82,069 | -13.8 |
| | 129611 | Towel, except handkerchiefs | 277 | -47 | 80,390 | -10.5 |
| | 129119 | Miscellaneous bedding except blanket | 452 | ... | 74,388 | ... |
| | 122212 | Knitted sport shirts and T-shirts | 336 | -94 | 71,680 | -18.7 |
| | 129111 | Futon, including wool futon | 390 | -43 | 68,149 | -7.4 |
| | 129312 | Synthetic canvas products | 726 | -58 | 65,036 | -8.3 |
| | 121212 | Women's and girl's skirts and trousers | 325 | -33 | 63,820 | -8.7 |
| Lumber and wood products | | | | | | |
| | 132411 | Prefabricated wooden buildings and structural members for housing | 603 | -51 | 337,238 | -13.5 |
| | 132111 | Millwork | 1,030 | -117 | 270,962 | -11.0 |
| | 131113 | Squares 7.5 cm or more depth and width | 4,013 | -389 | 270,118 | -11.0 |
| | 131112 | Lumbers less than 7.5 cm depth of minimum cross section, with less than 4 times width larger than depth | 3,992 | -389 | 214,391 | -11.9 |
| | 132212 | Special plywood, except glued laminated timber | 469 | ... | 190,749 | ... |
| | 132211 | Common plywood | 292 | -40 | 185,589 | -3.8 |
| | 131311 | Glued laminated timber | 258 | 7 | 180,756 | -1.3 |
| | 131111 | Boards less than 7.5 cm depth of minimum cross section, with more than 4 times width larger than depth | 4,110 | -382 | 143,362 | -15.5 |
| | 139919 | Miscellaneous wood, bamboo, rattan and willow products, including painted products | 1082 | -81 | 110,209 | -11.3 |
| | 132311 | Glued laminated timber | 305 | ... | 109,558 | ... |

Note: "..." was put in Y/Y columns of the newly added and redefined commodities.

Table 3 Shipment Value Upper-ranked Commodities by Industry (Continued)
(Establishments with 4 or more employees, in the year 2002)

| Industrial classification | Item number | Commodity names | Numbers of establishments engaged in manufacturing industry | | Shipment values | |
|---------------------------------------|-------------|--|---|------|-----------------|---------|
| | | | | Y/Y | (million yen) | Y/Y (%) |
| Furniture and fixtures | | | | | | |
| | 143111 | Fittings, except metal fittings | 4,234 | -797 | 378,120 | -12.4 |
| | 141119 | Miscellaneous wooden furniture, except Japanese lacquered furniture | 2,129 | -226 | 250,915 | -5.9 |
| | 141112 | Wooden cooking counters for sink and gas range | 647 | -6 | 227,519 | -6.5 |
| | 149111 | Offices and store fixtures | 1,031 | -101 | 196,524 | -2.1 |
| | 141111 | Wooden desks, tables and chairs | 1,595 | -20 | 189,363 | -14.6 |
| | 141114 | Wooden cabinets and shelves | 2,413 | -144 | 171,199 | -5.9 |
| | 141211 | Metal desks, tables and chairs | 304 | -34 | 167,966 | -11.5 |
| | 141215 | Metal cabinets and shelves | 260 | -41 | 100,996 | -15.9 |
| | 141214 | Metal cooking counters for sinks and gas range, (cabinets made of steel) | 242 | -40 | 99,431 | 3.8 |
| | 141113 | Cabinets | 893 | -96 | 94,494 | -16.7 |
| Pulp, paper and paper products | | | | | | |
| | 155311 | Corrugated board boxes | 2,854 | -141 | 1,190,159 | -6.0 |
| | 152113 | Painted printing paper | 43 | 5 | 608,259 | -6.8 |
| | 152111 | Rolls of newsprint | 20 | -1 | 393,439 | -7.9 |
| | 155411 | Printed paperboard boxes | 1,103 | -84 | 361,811 | -2.7 |
| | 152112 | Non-painted printing paper | 71 | 0 | 346,831 | -2.5 |
| | 153119 | Miscellaneous coated paper | 112 | -15 | 301,812 | -3.0 |
| | 159919 | Miscellaneous paper-made sanitary products | 240 | -22 | 265,329 | -0.3 |
| | 152123 | Miscellaneous paper | 145 | 10 | 258,507 | -10.0 |
| | 152211 | Exterior liner board (corrugated liner board) | 36 | 0 | 249,567 | -1.2 |
| | 153211 | Corrugated board (sheet) | 386 | -19 | 235,021 | -7.0 |
| Printing and allied industries | | | | | | |
| | 161112 | Planograph (offset) printing | 11,048 | -448 | 4,478,323 | -2.4 |
| | 161114 | Special printing on non-paper | 1,490 | -96 | 628,986 | -10.8 |
| | 161111 | Photoengraving, including phototype setting | 2,889 | -349 | 458,446 | -4.2 |
| | 162111 | Relief (anastatic) printing | 2,002 | -225 | 384,492 | -6.5 |
| | 161113 | Intaglio (photogravure) printing | 573 | -33 | 382,750 | -8.7 |
| | 162112 | Photomask | 45 | -7 | 118,797 | 5.2 |
| | 162114 | Stereotypes | 116 | -8 | 16,718 | -11.2 |
| | 162115 | Copper intaglio and wood engraving printing | 31 | 1 | 6,511 | -32.2 |
| | 162113 | Printing types | 26 | -10 | 3,856 | -1.0 |
| Chemical and allied products | | | | | | |
| | 176211 | Medical products preparations, including preparations outside medicines | 697 | -20 | 5,837,451 | -0.0 |
| | 179919 | Miscellaneous chemicals and allied products | 705 | -22 | 993,561 | 0.2 |
| | 173539 | Miscellaneous plastic | 138 | 7 | 708,428 | 1.1 |
| | 173949 | Miscellaneous industrial organic chemicals | 276 | -6 | 696,590 | 3.9 |
| | 175414 | Solvent synthetic resin paints | 307 | -13 | 578,579 | -1.3 |
| | 173239 | Miscellaneous aliphatic intermediates | 140 | -10 | 574,098 | -4.0 |
| | 176111 | Medical material preparations | 228 | 6 | 566,811 | 5.4 |
| | 172949 | Miscellaneous inorganic chemicals | 429 | -21 | 443,449 | -2.5 |
| | 173611 | Synthetic rubber, including synthetic latex | 33 | -4 | 377,322 | 2.0 |
| | 173429 | Miscellaneous cyclic intermediates | 152 | 2 | 372,429 | -0.2 |
| Petroleum and coal products | | | | | | |
| | 181111 | Gasoline | 30 | -2 | 4,137,720 | -1.9 |
| | 181115 | Light oil | 31 | -2 | 1,022,401 | 0.6 |
| | 181116 | Heavy fuel oil A | 37 | -2 | 727,901 | 4.4 |
| | 181118 | Heavy fuel oil C | 34 | -2 | 702,447 | -2.3 |
| | 181114 | Kerosene | 32 | -2 | 690,778 | 0.0 |
| | 181112 | Naphtha | 31 | 0 | 452,314 | 8.2 |
| | 184111 | Asphalt paving admixture and tar paving admixture, including asphalt block and tar block | 837 | -27 | 383,703 | -3.7 |
| | 181113 | Jet fuel oil | 24 | -2 | 258,706 | 3.2 |
| | 181124 | Liquefied gas | 32 | 0 | 181,930 | -2.0 |
| | 181125 | Stock oil for refining and mixing | 11 | 0 | 167,158 | 6.0 |

Note: "... " was put in Y/Y columns of the newly added and redefined commodities.

Table 3 Shipment Value Upper-ranked Commodities by Industry (Continued)
(Establishments with 4 or more employees, in the year 2002)

| Industrial classification | Item number | Commodity names | Numbers of establishments engaged in manufacturing industry | | Shipment values | |
|--|-------------|---|---|------|-----------------|---------|
| | | | | Y/Y | (million yen) | Y/Y (%) |
| Plastic products | | | | | | |
| | 193111 | Plastic products for automobiles | 2,229 | 55 | 1,208,396 | 3.5 |
| | 192111 | Flexible plastic film for packaging, less than 0.2 mm thickness | 520 | -55 | 810,388 | -3.2 |
| | 193113 | Plastic products for electrical machinery and apparatus | 2,099 | -65 | 777,490 | -13.6 |
| | 193119 | Miscellaneous industrial plastic products | 1,927 | -11 | 718,044 | -3.7 |
| | 192511 | Fabrication of plastic film, sheets, floor coverings and synthetic leathers (cutting, jointing, painting, evaporation and plating, buffing, etc.) | 1,254 | -19 | 692,920 | 9.9 |
| | 199719 | Plastic products, n.e.c. | 1,059 | -119 | 486,160 | -6.6 |
| | 199219 | Miscellaneous plastic containers | 835 | -17 | 477,668 | -1.3 |
| | 199111 | Daily household articles, kitchenware, tableware and bath articles | 1,440 | -150 | 422,034 | -6.6 |
| | 195111 | Compounding plastic materials | 476 | -32 | 398,359 | 10.1 |
| | 199211 | Plastic hollow containers | 718 | -64 | 366,271 | -14.7 |
| Rubber products | | | | | | |
| | 203329 | Miscellaneous mechanical rubber products | 781 | -17 | 543,845 | 4.3 |
| | 201113 | Tires for passenger car | 17 | 0 | 460,226 | 5.9 |
| | 203313 | Rubber packing | 1,135 | -53 | 288,174 | -5.9 |
| | 203311 | Vibration-proof rubber | 334 | -18 | 247,445 | 3.5 |
| | 201111 | Tires for trucks and buses | 11 | -1 | 208,339 | 7.3 |
| | 203211 | Rubber hoses | 97 | 2 | 128,943 | -3.5 |
| | 201112 | Tires for small trucks | 16 | -1 | 123,510 | 3.5 |
| | 209919 | Miscellaneous rubber gloves | 366 | -27 | 108,922 | -2.5 |
| | 203312 | Rubber roll | 219 | -3 | 86,997 | 3.4 |
| | 201115 | Tires for special vehicles and aircraft | 23 | 3 | 86,712 | 9.0 |
| Leather tanning, leather products and fur skins | | | | | | |
| | 214112 | Women's and children's leather footwear | 357 | -52 | 130,930 | -10.4 |
| | 217111 | Small leather cases | 395 | -107 | 52,662 | -24.5 |
| | 214111 | Men's leather footwear, 23 cm or more length | 120 | -29 | 51,609 | -10.0 |
| | 211111 | Adult cow instep straps | 124 | -4 | 42,240 | -4.8 |
| | 217211 | Leather handbags | 217 | -34 | 39,504 | -3.7 |
| | 216129 | Miscellaneous luggage | 186 | -17 | 26,466 | -19.0 |
| | 212111 | Mechaical leather products | 37 | -11 | 18,444 | -24.9 |
| | 213111 | Cut stock and findings for boots and shoes | 124 | -9 | 17,201 | -15.4 |
| | 216112 | Leather brief cases, school bags and knapsacks | 78 | -15 | 16,594 | 2.1 |
| | 214114 | Work shoes | 17 | -4 | 15,408 | -17.9 |
| Ceramics, stone and clay products | | | | | | |
| | 222211 | Fresh concrete | 3,754 | -149 | 1,561,561 | -8.4 |
| | 222111 | Portland cement | 39 | 0 | 333,372 | -7.4 |
| | 222317 | Concrete products for roads | 1,461 | -70 | 324,703 | -10.3 |
| | 228111 | Crushed stones | 1,057 | -5 | 285,887 | -8.5 |
| | 221919 | Miscellaneous glass and its products | 240 | -16 | 237,624 | -10.7 |
| | 222319 | Miscellaneous concrete products | 726 | -99 | 233,228 | -6.9 |
| | 228311 | Cut-stones and stoneware products | 1,463 | -185 | 171,081 | -11.5 |
| | 221119 | Miscellaneous plate glass in integral production | 6 | 1 | 169,784 | 29.2 |
| | 222316 | Concrete blocks for construction | 967 | -84 | 158,563 | -11.9 |
| | 221712 | Glass fiber (line) and its products | 91 | -7 | 156,365 | 0.9 |
| Iron and steel | | | | | | |
| | 239111 | Iron and steel cut products, including iron and steel cast products | 1,439 | -85 | 1,239,272 | -7.0 |
| | 234111 | Galvanized steel sheets, including galvanized steel loops | 48 | 2 | 782,037 | -5.7 |
| | 231125 | Steel strips | 15 | 0 | 775,311 | 10.5 |
| | 231144 | Steel for special purposes | 43 | -2 | 674,369 | 5.1 |
| | 235111 | Iron castings for machinery | 728 | -76 | 424,261 | -9.2 |
| | 231123 | Medium thick sheet, 3 mm or more thickness | 20 | 1 | 413,810 | -4.9 |
| | 235411 | Secondary forgings | 348 | -3 | 359,078 | -2.8 |
| | 231116 | Shape steel, including steel sheet piles, rim and ring covers and sash bars | 29 | 2 | 349,603 | -1.1 |
| | 231118 | Small bar steel | 57 | 1 | 347,300 | 1.4 |
| | 231143 | Structural steel | 28 | -1 | 328,067 | 10.1 |

Note: "..." was put in Y/Y columns of the newly added and redefined commodities.

Table 3 Shipment Value Upper-ranked Commodities by Industry (Continued)
(Establishments with 4 or more employees, in the year 2002)

| Industrial classification | Item number | Commodity names | Numbers of establishments engaged in manufacturing industry | | Shipment values | |
|--|-------------|--|---|------|-----------------|---------|
| | | | | Y/Y | (million yen) | Y/Y (%) |
| Non-ferrous metals and products | | | | | | |
| | 243211 | Rolled aluminum products | 87 | -8 | 608,427 | 0.9 |
| | 242311 | Regenerated pig aluminum and aluminum alloys | 192 | 0 | 418,343 | 15.5 |
| | 245311 | Aluminum and aluminum alloy die castings | 437 | -11 | 391,514 | -0.8 |
| | 244113 | Copper-clad wire | 219 | -14 | 357,942 | -9.9 |
| | 243212 | Extruded aluminum products | 129 | -15 | 282,907 | -4.9 |
| | 243111 | Rolled and drawn copper products | 105 | -9 | 206,315 | -8.0 |
| | 241929 | Miscellaneous non-ferrous metals by primary smelting and refining | 60 | -6 | 199,690 | 4.4 |
| | 241112 | Electrolytic copper and straight copper, including steel billet and cake | 9 | 0 | 197,138 | -1.1 |
| | 244115 | Power cable | 39 | 1 | 185,628 | 2.3 |
| | 244212 | Optical fiber cable, including composite cable | 40 | 1 | 182,884 | 2.1 |
| Fabricated metal products | | | | | | |
| | 254111 | Steelworks | 3,206 | -391 | 830,290 | -5.1 |
| | 254229 | Miscellaneous prefabricated architectural metal products | 2,269 | -72 | 786,655 | -5.9 |
| | 254319 | Miscellaneous fabricated plate and sheet metal products | 5,279 | -550 | 759,466 | -13.7 |
| | 254119 | Miscellaneous fabricated construction-use metal products | 2,919 | -48 | 733,894 | -3.8 |
| | 255211 | Stamped and pressed machinery parts, without machine finishing | 2,691 | -318 | 680,216 | -11.0 |
| | 254113 | Bridges | 277 | -10 | 604,792 | 0.6 |
| | 258111 | Bolts and nuts | 1,180 | -50 | 518,846 | -3.8 |
| | 254211 | Aluminum sashes for housing | 834 | -158 | 439,419 | -11.3 |
| | 254212 | Aluminum sashes for building | 427 | -16 | 318,877 | 5.0 |
| | 251112 | Food cans | 37 | -3 | 318,181 | -14.6 |
| General machinery | | | | | | |
| | 268121 | Parts, attachments and accessories of office machines | 838 | -105 | 962,166 | -11.9 |
| | 268311 | Pinball machines and slot machines | 93 | -23 | 675,168 | 14.3 |
| | 269614 | Molds for plastics | 2,461 | -151 | 555,523 | -8.6 |
| | 269611 | Molds for pressing | 2,496 | -156 | 517,096 | -0.6 |
| | 267919 | Miscellaneous general industrial machinery and equipment | 800 | 29 | 497,799 | -11.5 |
| | 267929 | Parts, attachments and accessories of miscellaneous general industrial machinery and equipment | 2,010 | -310 | 464,384 | -18.0 |
| | 263111 | Shovel excavators | 30 | 0 | 459,762 | -8.9 |
| | 266711 | Treatment equipment for wafer process (electronic circuit forming) | 116 | -24 | 445,814 | -36.1 |
| | 268113 | Digital copying machines | 17 | -3 | 418,261 | 3.7 |
| | 268119 | Miscellaneous office machines | 196 | -31 | 392,571 | -16.0 |
| Electrical machinery, equipment and supplies | | | | | | |
| | 271621 | Parts, attachments and accessories of auxiliary equipment for internal combustion engines | 808 | -88 | 984,092 | -1.9 |
| | 274212 | Video cameras, including integrated VTR-EVR, except broadcast video cameras | 52 | 0 | 876,526 | 27.6 |
| | 271312 | Monitor and control equipment | 1,382 | -96 | 801,493 | -3.6 |
| | 274213 | Digital cameras | 22 | -7 | 673,991 | 5.5 |
| | 279919 | Electrical machinery, equipment and supplies, n.e.c. | 493 | -175 | 633,860 | -16.0 |
| | 272213 | Air conditioners | 23 | -9 | 588,302 | -20.0 |
| | 271311 | Switchboards | 1,127 | -62 | 430,177 | -13.7 |
| | 274214 | duplicating equipment | 351 | -41 | 427,259 | 3.4 |
| | 271121 | AC-DC miniature motors, between 3 and 70W | 184 | -15 | 413,452 | -10.3 |
| | 279912 | Silicon wafers (surface-polished) | 33 | -8 | 378,776 | -10.1 |
| Information and communication electronics equipment | | | | | | |
| | 282211 | Personal computers | 35 | -20 | 1,850,254 | -30.4 |
| | 281213 | Cellular telephone sets and PHS telephone sets | 76 | 9 | 1,588,605 | -14.3 |
| | 281412 | Car stereo sets | 25 | 1 | 470,650 | 4.2 |
| | 282311 | Magnetic disc equipment | 23 | -12 | 464,783 | 8.8 |
| | 282411 | Printers | 70 | 0 | 422,077 | -48.5 |
| | 282212 | Parts, attachments and accessories of personal computers | 340 | ... | 418,616 | ... |
| | 281312 | Television receivers, except liquid crystal receivers | 15 | -5 | 411,775 | 6.4 |
| | 282911 | Displays | 39 | -5 | 375,212 | -4.6 |
| | 281422 | Parts, attachments and accessories of electric audio equipment | 525 | -132 | 370,070 | -15.2 |
| | 281216 | Radio applied equipment | 78 | 2 | 355,132 | 11.5 |

Note: "..." was put in Y/Y columns of the newly added and redefined commodities.

Table 3 Shipment Value Upper-ranked Commodities by Industry (Continued)
(Establishments with 4 or more employees, in the year 2002)

| Industrial classification | Commodity number | Commodity names | Numbers of establishments engaged in manufacturing industry | | Shipment values | |
|---|------------------|--|---|------|-----------------|---------|
| | | | | Y/Y | (million yen) | Y/Y (%) |
| Electronic parts and devices | | | | | | |
| | 291312 | Metal oxide semiconductor IC | 78 | -11 | 3,107,416 | -17.6 |
| | 291919 | Miscellaneous electronic parts | 1,239 | -56 | 2,742,066 | 16.9 |
| | 291913 | Liquid crystal elements | 67 | -2 | 1,115,306 | -21.7 |
| | 291412 | Fixed capacitors | 132 | -10 | 799,801 | -5.7 |
| | 291811 | Rigid printed boards | 259 | -49 | 695,962 | -14.5 |
| | 291311 | Bipolar type IC | 46 | -5 | 657,911 | -10.2 |
| | 291821 | Printed circuit boards | 355 | 15 | 470,554 | -2.4 |
| | 291612 | Connectors, except ones for printed boards | 246 | 28 | 372,175 | 36.2 |
| | 291219 | Miscellaneous semiconductor devices | 82 | -11 | 350,101 | -27.5 |
| | 291319 | Miscellaneous semiconductor IC | 42 | 2 | 321,322 | -31.7 |
| Transportation equipment | | | | | | |
| | 301112 | Ordinary passenger cars, 2000 ml cylinder capacity or more, including chassis | 18 | -1 | 7,175,471 | 6.6 |
| | 301111 | Light and small passenger cars, less than 2000 ml cylinder capacity, including chassis | 26 | 2 | 6,743,687 | 7.6 |
| | 301329 | Miscellaneous parts of motor vehicles, including parts of motorcycles | 2,427 | -36 | 6,036,745 | 6.0 |
| | 301315 | Parts of driving, transmission and operating units | 1,253 | -5 | 4,144,109 | 11.7 |
| | 301314 | Parts, attachments and accessories of internal combustion engines for motor vehicles | 1,512 | -34 | 2,791,597 | 9.4 |
| | 301317 | Parts of chassis and bodies | 1,454 | -52 | 2,407,365 | 4.1 |
| | 301114 | Trucks, including tractors | 18 | 0 | 2,271,028 | -0.8 |
| | 301331 | KD sets (passenger cars, buses and trucks) | 27 | 3 | 1,373,105 | 9.4 |
| | 301311 | Gasoline engines for motor vehicles | 26 | 1 | 1,295,378 | -14.3 |
| | 301213 | Truck bodies | 128 | 2 | 1,188,876 | 9.7 |
| Precision instruments and machinery | | | | | | |
| | 313111 | Medical instruments, apparatus and equipment | 391 | -7 | 585,028 | -4.5 |
| | 311919 | Miscellaneous measuring instruments | 298 | 3 | 281,167 | -10.3 |
| | 315413 | Optical lenses | 174 | -9 | 209,079 | -10.2 |
| | 315213 | Photographic machines and related instruments | 65 | -6 | 166,235 | -1.3 |
| | 317111 | Watches, including movements | 13 | -1 | 146,982 | -9.9 |
| | 311311 | Balances and scales | 106 | -10 | 133,405 | 2.4 |
| | 311512 | Precision measuring machines and instruments | 223 | 5 | 119,847 | -10.5 |
| | 315214 | Parts, attachments and accessories of cameras | 406 | -22 | 115,305 | -19.6 |
| | 311211 | Inegrate volumeters | 68 | 0 | 92,862 | -7.6 |
| | 316113 | Lenses, including contact lenses | 76 | -3 | 91,835 | -2.3 |
| Miscellaneous manufacturing industries | | | | | | |
| | 323112 | Household TV games | 6 | 1 | 509,908 | -17.8 |
| | 329915 | Room units | 45 | -21 | 285,261 | 2.7 |
| | 329913 | Safety protectors and life saving apparatus | 164 | 0 | 278,170 | -7.1 |
| | 323419 | Miscellaneous sporting and athletic goods | 305 | -33 | 269,695 | 45.8 |
| | 329211 | Signboards, signs and display equipment, not electrical and mechanical | 1,986 | -75 | 212,029 | -5.2 |
| | 329914 | Unit housing | 16 | -10 | 204,394 | -15.7 |
| | 329212 | Signboards, signs and display equipment, electrical and mechanical | 1,202 | -142 | 164,027 | -2.7 |
| | 329919 | Miscellaneous manufacturing products, n.e.c. | 484 | -44 | 156,677 | -3.8 |
| | 321111 | Precious metal accessories, including jewel, ivory and turtle products | 401 | ... | 153,882 | ... |
| | 328112 | Small arms ammunition (bullets), shells (projectile) and explosive products | 12 | 0 | 151,894 | 11.3 |

Note: "..." was put in Y/Y columns of the newly added and redefined commodities

3. Upper-ranked Commodities by Prefecture

(1) The number of establishments by commodity

As the following “Table 4: Top 3 Commodities by Prefecture - Establishments Engaged in Manufacturing Industry” indicates, the number of “Planograph (offset) printing” associated establishments came out on top nationwide and this sector was listed at the first rank in as many as 23 prefectures (19 prefectures in the previous year). And, the second highest was “Boards less than 7.5 cm depth of minimum cross section, with more than 4 times width larger than depth”, 6 prefectures, and the third highest was “Squares 7.5 cm or more depth and width”, 4 prefectures respectively.

In addition to the above three commodities, several local specialties like “Cut-stones and stoneware products” of Ibaraki, “Frames” of Fukui, “Precious metal accessories, including jewel, ivory and turtle products” of Yamanashi, “Green tea (finished)” of Shizuoka, “Japanese noodles” such as “Udon” and “Somen” of Nagasaki and Kagawa, “Towel, except handkerchiefs” of Ehime, “Japanese-style ceramic tableware” of Gifu and Saga were also ranked on top, and the number of such specialty manufacturing establishments win high ranking on a nationwide scale (See Table 4).

Table 4 Top 3 Commodities by Prefecture - Establishments Engaged in Manufacturing Industry (Establishments with 4 or more employees, in the year 2002)

(Unit: percentage of establishments engaged in manufacturing industry)

| | First ranked commodities | | | | Second ranked commodities | | | | Third ranked commodities | | | |
|---------------------------|--|--|---------------------------|---------------|---|--|---------------------------|---------------|---|--|---------------------------|---------------|
| | Commodity names | Number of establishments engaged in manufacturing industry | National-level proportion | National rank | Commodity names | Number of establishments engaged in manufacturing industry | National-level proportion | National rank | Commodity names | Number of establishments engaged in manufacturing industry | National-level proportion | National rank |
| Nation-level Total amount | Planograph (offset) printing | 11,048 | - | - | Miscellaneous fabricated plate and sheet metal products | 5,279 | - | - | Fittings, except metal fittings | 4,234 | - | - |
| Hokkaido | Miscellaneous seafood products | 543 | 17.5 | 1 | Planograph (offset) printing | 482 | 4.4 | 4 | Frozen seafood products (processed and packaged) | 353 | 25.5 | 1 |
| Aomori | Planograph (offset) printing | 119 | 1.1 | 28 | Lumbers less than 7.5 cm depth of minimum cross section, with less than 4 times width larger than depth | 108 | 2.7 | 14 | Boards less than 7.5 cm depth of minimum cross section, with more than 4 times width larger than depth | 106 | 2.6 | 18 |
| Iwate | Boards less than 7.5 cm depth of minimum cross section, with more than 4 times width larger than depth | 130 | 3.2 | 8 | Lumbers less than 7.5 cm depth of minimum cross section, with less than 4 times width larger than depth | 122 | 3.1 | 8 | Squares 7.5 cm or more depth and width | 120 | 3.0 | 8 |
| Miyagi | Planograph (offset) printing | 190 | 1.7 | 16 | Miscellaneous seafood products | 170 | 5.5 | 3 | Frozen seafood products (processed and packaged) | 127 | 9.2 | 4 |
| Akita | Boards less than 7.5 cm depth of minimum cross section, with more than 4 times width larger than depth | 145 | 3.5 | 6 | Lumbers less than 7.5 cm depth of minimum cross section, with less than 4 times width larger than depth | 135 | 3.4 | 7 | Squares 7.5 cm or more depth and width | 119 | 3.0 | 10 |
| Yamagata | Planograph (offset) printing | 131 | 1.2 | 27 | Boards less than 7.5 cm depth of minimum cross section, with more than 4 times width larger than depth | 110 | 2.7 | 15 | Lumbers less than 7.5 cm depth of minimum cross section, with less than 4 times width larger than depth | 106 | 2.7 | 15 |
| Fukushima | Planograph (offset) printing | 175 | 1.6 | 18 | Lumbers less than 7.5 cm depth of minimum cross section, with less than 4 times width larger than depth | 148 | 3.7 | 5 | Boards less than 7.5 cm depth of minimum cross section, with more than 4 times width larger than depth | 148 | 3.6 | 5 |
| Ibaraki | Cut-stones and stoneware products | 218 | 14.9 | 1 | Planograph (offset) printing | 188 | 1.7 | 17 | Miscellaneous processed foods | 142 | 3.7 | 9 |
| Tochigi | Planograph (offset) printing | 167 | 1.5 | 19 | Fittings, except metal fittings | 141 | 3.3 | 9 | Boards less than 7.5 cm depth of minimum cross section, with more than 4 times width larger than depth | 108 | 2.6 | 17 |
| Gunma | Miscellaneous parts of motor vehicles, including parts of motorcycles | 185 | 7.6 | 4 | Planograph (offset) printing | 138 | 1.2 | 21 | Molds for pressing | 134 | 5.4 | 6 |
| Saitama | Planograph (offset) printing | 435 | 3.9 | 5 | Miscellaneous fabricated plate and sheet metal products | 343 | 6.5 | 4 | Corrugated board boxes | 225 | 7.9 | 3 |
| Chiba | Planograph (offset) printing | 229 | 2.1 | 13 | Miscellaneous processed foods | 159 | 4.1 | 7 | Miscellaneous seafood products | 142 | 4.6 | 5 |
| Tokyo | Planograph (offset) printing | 2,126 | 19.2 | 1 | Photoengraving, including phototypesetting | 676 | 33.8 | 1 | Relief (anastatic) printing | 440 | 15.2 | 1 |
| Kanagawa | Miscellaneous fabricated plate and sheet metal products | 405 | 7.7 | 3 | Planograph (offset) printing | 387 | 3.5 | 7 | Stamped and pressed machinery parts, without machine finishing | 188 | 7.0 | 4 |
| Niigata | Planograph (offset) printing | 249 | 2.3 | 11 | Lumbers less than 7.5 cm depth of minimum cross section, with less than 4 times width larger than depth | 170 | 4.3 | 3 | Boards less than 7.5 cm depth of minimum cross section, with more than 4 times width larger than depth | 162 | 3.9 | 3 |
| Toyama | Planograph (offset) printing | 132 | 1.2 | 25 | Miscellaneous seafood products | 78 | 2.5 | 12 | Medical products preparations, including preparations outside medicines | 75 | 10.8 | 1 |
| Ishikawa | Planograph (offset) printing | 147 | 1.3 | 20 | Narrow fabrics | 107 | 31.5 | 1 | Japanese-style pastries and cakes | 98 | 3.1 | 8 |
| Fukui | Frames | 120 | 88.9 | 1 | Narrow fabrics | 104 | 30.6 | 2 | Planograph (offset) printing | 90 | 0.8 | 38 |
| Yamanashi | Precious metal accessories, including jewel, ivory and turtle products | 138 | 34.4 | 1 | Planograph (offset) printing | 81 | 0.7 | 40 | Plastic products for electrical machinery and apparatus | 57 | 2.7 | 12 |
| Nagano | Planograph (offset) printing | 254 | 2.3 | 10 | Boards less than 7.5 cm depth of minimum cross section, with more than 4 times width larger than depth | 130 | 3.2 | 8 | Vegetables pickled or in brine, including fruits pickled or in brine | 127 | 6.5 | 2 |
| Gifu | Japanese-style ceramic tableware | 343 | 27.3 | 1 | Planograph (offset) printing | 200 | 1.8 | 15 | Fittings, except metal fittings | 138 | 3.3 | 10 |
| Shizuoka | Green tea (finished) | 338 | 43.3 | 1 | Planograph (offset) printing | 302 | 2.7 | 9 | Miscellaneous parts of motor vehicles, including parts of motorcycles | 279 | 11.5 | 2 |
| Aichi | Planograph (offset) printing | 657 | 5.9 | 3 | Plastic products for automobiles | 619 | 27.8 | 1 | Miscellaneous fabricated plate and sheet metal products | 602 | 11.4 | 1 |

Table 4 Top 3 Commodities by Prefecture - Establishments Engaged in Manufacturing Industry (Continued)

| | First ranked commodities | | | | Second ranked commodities | | | | Third ranked commodities | | | |
|-----------|---|--|---------------------------|---------------|---|--|---------------------------|---------------|---|--|---------------------------|---------------|
| | Commodity names | Number of establishments engaged in manufacturing industry | National-level proportion | National rank | Commodity names | Number of establishments engaged in manufacturing industry | National-level proportion | National rank | Commodity names | Number of establishments engaged in manufacturing industry | National-level proportion | National rank |
| Mie | Squares 7.5 cm or more depth and width | 166 | 4.1 | 3 | Lumbers less than 7.5 cm depth of minimum cross section, with less than 4 times width larger than depth | 160 | 4.0 | 4 | Boards less than 7.5 cm depth of minimum cross section, with more than 4 times width larger than depth | 151 | 3.7 | 4 |
| Shiga | Planograph (offset) printing | 71 | 0.6 | 42 | Squares 7.5 cm or more depth and width | 68 | 1.7 | 30 | Lumbers less than 7.5 cm depth of minimum cross section, with less than 4 times width larger than depth | 67 | 1.7 | 31 |
| Kyoto | Planograph (offset) printing | 243 | 2.2 | 12 | Miscellaneous yarn-dyed narrow silk fabrics | 157 | 42.3 | 1 | Miscellaneous fabricated plate and sheet metal products | 114 | 2.2 | 14 |
| Osaka | Planograph (offset) printing | 970 | 8.8 | 2 | Miscellaneous fabricated plate and sheet metal products | 556 | 10.5 | 2 | Corrugated board boxes | 349 | 12.2 | 1 |
| Hyogo | Planograph (offset) printing | 335 | 3.0 | 8 | Miscellaneous fabricated plate and sheet metal products | 256 | 4.8 | 6 | Seaweed products | 180 | 16.8 | 1 |
| Nara | Squares 7.5 cm or more depth and width | 138 | 3.4 | 7 | Socks | 125 | 43.6 | 1 | Boards less than 7.5 cm depth of minimum cross section, with more than 4 times width larger than depth | 113 | 2.7 | 13 |
| Wakayama | Fittings, except metal fittings | 151 | 3.6 | 5 | Vegetables pickled or in brine, including fruits pickled or in brine | 128 | 6.5 | 1 | Lumbers less than 7.5 cm depth of minimum cross section, with less than 4 times width larger than depth | 97 | 2.4 | 19 |
| Tottori | Squares 7.5 cm or more depth and width | 45 | 1.1 | 39 | Boards less than 7.5 cm depth of minimum cross section, with more than 4 times width larger than depth | 44 | 1.1 | 37 | Planograph (offset) printing | 42 | 0.4 | 47 |
| Shimane | Boards less than 7.5 cm depth of minimum cross section, with more than 4 times width larger than depth | 97 | 2.4 | 21 | Squares 7.5 cm or more depth and width | 93 | 2.3 | 21 | Lumbers less than 7.5 cm depth of minimum cross section, with less than 4 times width larger than depth | 89 | 2.2 | 22 |
| Okayama | Planograph (offset) printing | 137 | 1.2 | 22 | Fittings, except metal fittings | 89 | 2.1 | 16 | Japanese-style pastries and cakes | 88 | 2.8 | 13 |
| Hiroshima | Planograph (offset) printing | 213 | 1.9 | 14 | Miscellaneous fabricated plate and sheet metal products | 205 | 3.9 | 8 | Fittings, except metal fittings | 107 | 2.5 | 13 |
| Yamaguchi | Planograph (offset) printing | 117 | 1.1 | 29 | Dried seafood products, boiled and dried seafood products | 82 | 5.9 | 5 | Fittings, except metal fittings | 79 | 1.9 | 18 |
| Tokushima | Lumbers less than 7.5 cm depth of minimum cross section, with less than 4 times width larger than depth | 77 | 1.9 | 26 | Boards less than 7.5 cm depth of minimum cross section, with more than 4 times width larger than depth | 74 | 1.8 | 26 | Planograph (offset) printing | 72 | 0.7 | 41 |
| Kagawa | Japanese noodles | 179 | 6.6 | 2 | Planograph (offset) printing | 105 | 1.0 | 31 | Cut-stones and stoneware products | 104 | 7.1 | 2 |
| Ehime | Towel, except handkerchiefs | 122 | 44.0 | 1 | Squares 7.5 cm or more depth and width | 116 | 2.9 | 12 | Boards less than 7.5 cm depth of minimum cross section, with more than 4 times width larger than depth | 113 | 2.7 | 13 |
| Kochi | Boards less than 7.5 cm depth of minimum cross section, with more than 4 times width larger than depth | 101 | 2.5 | 19 | Squares 7.5 cm or more depth and width | 99 | 2.5 | 18 | Lumbers less than 7.5 cm depth of minimum cross section, with less than 4 times width larger than depth | 93 | 2.3 | 20 |
| Fukuoka | Planograph (offset) printing | 416 | 3.8 | 6 | Planograph (offset) printing | 233 | 5.5 | 3 | Miscellaneous fabricated plate and sheet metal products | 193 | 3.7 | 9 |
| Saga | Japanese-style ceramic tableware | 163 | 13.0 | 3 | Pottery ornaments | 72 | 11.9 | 2 | Planograph (offset) printing | 65 | 0.6 | 44 |
| Nagasaki | Japanese noodles | 292 | 10.8 | 1 | Japanese-style ceramic tableware | 100 | 8.0 | 4 | Planograph (offset) printing | 98 | 0.9 | 34 |
| Kumamoto | Squares 7.5 cm or more depth and width | 139 | 3.5 | 6 | Boards less than 7.5 cm depth of minimum cross section, with more than 4 times width larger than depth | 138 | 3.4 | 7 | Lumbers less than 7.5 cm depth of minimum cross section, with less than 4 times width larger than depth | 136 | 3.4 | 6 |
| Oita | Boards less than 7.5 cm depth of minimum cross section, with more than 4 times width larger than depth | 124 | 3.0 | 10 | Squares 7.5 cm or more depth and width | 112 | 2.8 | 13 | Lumbers less than 7.5 cm depth of minimum cross section, with less than 4 times width larger than depth | 111 | 2.8 | 11 |
| Miyazaki | Boards less than 7.5 cm depth of minimum cross section, with more than 4 times width larger than depth | 101 | 2.5 | 19 | Planograph (offset) printing | 98 | 0.9 | 34 | Lumbers less than 7.5 cm depth of minimum cross section, with less than 4 times width larger than depth | 93 | 2.3 | 20 |
| Kagoshima | Planograph (offset) printing | 134 | 1.2 | 24 | Semi-finished green tea | 128 | 19.5 | 2 | Miscellaneous seafood products | 116 | 3.7 | 7 |
| Okinawa | Planograph (offset) printing | 91 | 0.8 | 37 | Fresh concrete | 74 | 2.0 | 23 | Aluminum sashes for housing | 65 | 7.8 | 1 |

(2) Shipment values by commodity

According to the shipment value data by commodity and by prefecture, some of “Information and communication electronics” and “Electronic parts” associated commodities were ranked top in several prefectures, and “Metal oxide IC” and “Personal computers” came top in 3 prefectures respectively, “Fixed capacitors” in 2 prefectures, “Miscellaneous electronic parts” in 2 prefectures, and “Liquie crystal elements” and “Silicon wafers” in 1 prefecture respectively, in other words 12 prefectures in all.

Besides, automobile related commodities were ranked on top in 10 prefectures, and “Ordinary passenger cars” appeared top in 6 prefectures, “Light and small passenger cars” in 3 prefectures and “Parts of driving, transmission and operating units” in 1 prefecture respectively.

Of those commodities ranked at second place or lower, “information and communication electronics” and “Electronic parts” associated commodities and automobile associated commodities won high ranking and “Medical products preparations, including preparations outside medicines”, “Gasoline” and “Cigarettes, cigars and pipe tobacco” commodities also occupied high places (See Table 5).

Table 5 Shipment Value Top 3 Commodities by Prefecture (Establishments with 4 or more employees, in the year 2002)

(Unit: hundred million yen, %)

| | First ranked commodities | | | | Second ranked commodities | | | | Third ranked commodities | | | |
|---------------------------|--|-----------------|---------------------------|---------------|--|-----------------|---------------------------|---------------|--|-----------------|---------------------------|---------------|
| | Commodity names | Shipment values | National-level proportion | National rank | Commodity names | Shipment values | National-level proportion | National rank | Commodity names | Shipment values | National-level proportion | National rank |
| Nation-level total amount | Ordinary passenger cars, 2000 ml cylinder capacity or more, including chassis | 71,755 | - | - | Light and small passenger cars, less than 2000 ml cylinder capacity, including chassis | 67,437 | - | - | Miscellaneous parts of motor vehicles, including parts of motorcycles | 60,367 | - | - |
| Hokkaido | Frozen seafood products (processed and packaged) | 1,966 | 28.8 | 1 | Miscellaneous seafood products | 1,834 | 17.7 | 1 | Gasoline | x | x | 8 |
| Aomori | Printed printing paper | x | x | 2 | Optical disc equipment | x | x | 1 | Miscellaneous seafood products | 483 | 4.7 | 7 |
| Iwate | Ordinary passenger cars, 2000 ml cylinder capacity or more, including chassis | x | x | 9 | Cigarettes, cigars and pipe tobacco | x | x | 7 | Cellular telephone sets and PHS telephone sets | 828 | 5.2 | 8 |
| Miyagi | Gasoline | x | x | 9 | Frozen seafood products (processed and packaged) | 983 | 14.4 | 2 | Digital cameras | x | x | 3 |
| Akita | Fixed capacitors | 2,567 | 32.1 | 1 | Miscellaneous electronic parts | 602 | 2.2 | 18 | Liquid crystal elements | x | x | 8 |
| Yamagata | Personal computers | x | x | 1 | Metal oxide semiconductor IC | 1,575 | 5.1 | 7 | Miscellaneous electronic parts | 1,184 | 4.3 | 6 |
| Fukushima | Medical products preparations, including preparations outside medicines | 1,838 | 3.1 | 11 | Car stereo sets | 1,681 | 35.7 | 1 | Cigarettes, cigars and pipe tobacco | x | x | 4 |
| Ibaraki | Medical products preparations, including preparations outside medicines | 2,481 | 4.2 | 8 | Beers | 1,963 | 11.4 | 1 | Parts, attachments and accessories of office machines | 1,767 | 18.4 | 1 |
| Tochigi | Ordinary passenger cars, 2000 ml cylinder capacity or more, including chassis | x | x | 5 | Cigarettes, cigars and pipe tobacco | x | x | 1 | Parts of driving, transmission and operating units | 3,287 | 7.9 | 3 |
| Gunma | Light and small passenger cars, less than 2000 ml cylinder capacity, including chassis | 3,711 | 5.5 | 6 | Trucks, including tractors | x | x | 3 | Miscellaneous parts of motor vehicles, including parts of motorcycles | 2,394 | 4.0 | 7 |
| Saitama | Medical products preparations, including preparations outside medicines | 6,850 | 11.7 | 2 | Light and small passenger cars, less than 2000 ml cylinder capacity, including chassis | x | x | 5 | Planograph (offset) printing | 4,738 | 10.6 | 3 |
| Chiba | Gasoline | 6,860 | 16.6 | 2 | Household TV games | x | x | 1 | Galvanized steel sheets, including galvanized steel loops | 2,040 | 26.1 | 1 |
| Tokyo | Planograph (offset) printing | 11,888 | 26.5 | 1 | Personal computers | 3,491 | 18.9 | 2 | Metal oxide semiconductor IC | x | x | 2 |
| Kanagawa | Gasoline | 8,107 | 19.6 | 1 | Ordinary passenger cars, 2000 ml cylinder capacity or more, including chassis | x | x | 3 | Trucks, including tractors | 4,579 | 20.2 | 2 |
| Niigata | Miscellaneous electronic parts | 1,445 | 5.3 | 4 | Baked rice confections | 1,253 | 42.5 | 1 | Miscellaneous industrial organic chemicals | 1,003 | 14.4 | 1 |
| Toyama | Medical products preparations, including preparations outside medicines | 2,174 | 3.7 | 9 | Metal oxide semiconductor IC | 2,059 | 6.6 | 3 | Aluminum sashes for housing | 1,703 | 38.8 | 1 |
| Ishikawa | Cigarettes, cigars and pipe tobacco | x | x | 6 | Displays | 902 | 24.0 | 1 | Liquid crystal elements | x | x | 5 |
| Fukui | Fixed capacitors | 736 | 9.2 | 4 | Rolled aluminum products | x | x | 3 | Miscellaneous electronic parts | 549 | 2.0 | 20 |
| Yamanashi | Treatment equipment for wafer process (electronic circuit forming) | 1,139 | 25.5 | 1 | Numerical control equipment | x | x | 1 | Parts, attachments and accessories of office machines | 546 | 5.7 | 5 |
| Nagano | Personal computers | 1,836 | 9.9 | 5 | Liquid crystal elements | 1,165 | 10.4 | 3 | Parts of suspension and brake systems | 1,092 | 10.1 | 2 |
| Gifu | Medical products preparations, including preparations outside medicines | 1,423 | 2.4 | 14 | Video cameras, including integrated VTR-EVR, except broadcast video cameras | x | x | 2 | Parts of suspension and brake systems | 984 | 9.1 | 4 |
| Shizuoka | Parts of driving, transmission and operating units | 10,884 | 26.3 | 2 | Light and small passenger cars, less than 2000 ml cylinder capacity, including chassis | x | x | 3 | Miscellaneous parts of motor vehicles, including parts of motorcycles | 6,032 | 10.0 | 2 |
| Aichi | Ordinary passenger cars, 2000 ml cylinder capacity or more, including chassis | 38,196 | 53.2 | 1 | Miscellaneous parts of motor vehicles, including parts of motorcycles | 27,889 | 46.2 | 1 | Light and small passenger cars, less than 2000 ml cylinder capacity, including chassis | 23,094 | 34.2 | 1 |
| Mie | Light and small passenger cars, less than 2000 ml cylinder capacity, including chassis | x | x | 2 | Miscellaneous parts of motor vehicles, including parts of motorcycles | 3,306 | 5.5 | 4 | Miscellaneous electronic parts | 3,296 | 12.0 | 2 |
| Shiga | Medical products preparations, including preparations outside medicines | 2,752 | 4.7 | 7 | Light and small passenger cars, less than 2000 ml cylinder capacity, including chassis | x | x | 9 | Air conditioners | 1,818 | 30.9 | 2 |
| Kyoto | Cigarettes, cigars and pipe tobacco | x | x | 3 | Cassettes for games | x | x | 1 | Planograph (offset) printing | 1,092 | 2.4 | 10 |
| Osaka | Medical products preparations, including preparations outside medicines | 9,049 | 15.5 | 1 | Planograph (offset) printing | 5,359 | 12.0 | 2 | Gasoline | 4,402 | 10.6 | 3 |
| Hyogo | Medical products preparations, including preparations outside medicines | 3,196 | 5.5 | 6 | Parts, fittings and accessories of steam engines, turbines and water wheels | 2,194 | 68.5 | 1 | Rice wine "sake", including unrefined "sake" | 1,926 | 28.7 | 1 |
| Nara | Liquid crystal elements | 1,347 | 12.1 | 2 | Miscellaneous semiconductor devices | x | x | 1 | Parts of driving, transmission and operating units | 800 | 1.9 | 9 |
| Wakayama | Gasoline | x | x | 6 | Air conditioners, except window and separate types | 717 | 20.5 | 2 | Laundry synthetic detergents | x | x | 1 |

Table5 Shipment Value Top 3 Commodities by Prefecture (Continued)

| | First ranked commodities | | | | Second ranked commodities | | | | Third ranked commodities | | | |
|-----------|--|-----------------|---------------------------|---------------|--|-----------------|---------------------------|---------------|---|-----------------|---------------------------|---------------|
| | Commodity names | Shipment values | National-level proportion | National rank | Commodity names | Shipment values | National-level proportion | National rank | Commodity names | Shipment values | National-level proportion | National rank |
| Tottori | Miscellaneous electronic parts | 1,040 | 3.8 | 7 | Cigarettes, cigars and pipe tobacco | x | x | 10 | Painted printing paper | x | x | 7 |
| Shimane | Personal computers | x | x | 3 | Fixed capacitors | 817 | 10.2 | 2 | Cold finished special steel loops in coil, less than 600-mm width | x | x | 1 |
| Okayama | Light and small passenger cars, less than 2000 ml cylinder capacity, including chassis | x | x | 4 | Gasoline | x | x | 4 | Metal oxide semiconductor IC | x | x | 5 |
| Hiroshima | Ordinary passenger cars, 2000 ml cylinder capacity or more, including chassis | x | x | 6 | Miscellaneous parts of motor vehicles, including parts of motorcycles | 2,719 | 4.5 | 5 | Cellular telephone sets and PHS telephone sets | 2,091 | 13.2 | 3 |
| Yamaguchi | Ordinary passenger cars, 2000 ml cylinder capacity or more, including chassis | x | x | 4 | Gasoline | 3,594 | 8.7 | 5 | Medical products preparations, including preparations outside medicines | 1,657 | 2.8 | 12 |
| Tokushima | Medical products preparations, including preparations outside medicines | 2,078 | 3.6 | 10 | Light emitting diode | x | x | 1 | Cigarettes, cigars and pipe tobacco | x | x | 12 |
| Kagawa | Gasoline | x | x | 12 | Cigarettes, cigars and pipe tobacco | x | x | 8 | Steel cargo shipbuilding, power vessel 20 gross tonnage or more | 1,155 | 16.0 | 2 |
| Ehime | Gasoline | x | x | 14 | Rolls of newsprint | 972 | 24.7 | 2 | Painted printing paper | x | x | 1 |
| Kochi | Metal oxide semiconductor IC | x | x | 16 | Miscellaneous electronic parts | 338 | 1.2 | 25 | Miscellaneous paper | 237 | 9.2 | 4 |
| Fukuoka | Ordinary passenger cars, 2000 ml cylinder capacity or more, including chassis | x | x | 2 | Light and small passenger cars, less than 2000 ml cylinder capacity, including chassis | x | x | 7 | Miscellaneous parts of motor vehicles, including parts of motorcycles | 1,987 | 3.3 | 8 |
| Saga | Silicon wafers (surface-polished) | 672 | 17.7 | 1 | Medical products preparations, including preparations outside medicines | 545 | 0.9 | 23 | Finished seats | x | x | 6 |
| Nagasaki | Steel oil transportation shipbuilding, power vessel 20 gross tonnage or more | 956 | 30.4 | 1 | Steel cargo shipbuilding, power vessel 20 gross tonnage or more | 883 | 12.3 | 3 | Metal oxide semiconductor IC | x | x | 12 |
| Kumamoto | Metal oxide semiconductor IC | x | x | 4 | KD sets (motorcycles) | x | x | 1 | Miscellaneous parts of motor vehicles, including parts of motorcycles | 816 | 1.4 | 11 |
| Oita | Metal oxide semiconductor IC | 3,976 | 12.8 | 1 | Steel strips | x | x | 2 | Gasoline | x | x | 11 |
| Miyazaki | Broiler products, including cut products | 538 | 12.0 | 2 | Chop of meat and frozen meat, except broilers | 536 | 5.4 | 3 | Low-class distilled spirits | 516 | 10.8 | 4 |
| Kagoshima | Miscellaneous electronic parts | 1,537 | 5.6 | 3 | Chop of meat and frozen meat, except broilers | 1,480 | 14.8 | 1 | Balanced compound feeds | 1,264 | 17.3 | 1 |
| Okinawa | Gasoline | x | x | 16 | Heavy fuel oil C | x | x | 7 | Fresh concrete | 325 | 2.1 | 15 |

(Note) "x" letter was put in the shipment value and national-level portion columns in cases where commodities by prefecture were not disclosed.