

Section 4

Section 4 R&D / Human Resources Development

1 Research in the information and communications field

In FY 2004, the industrial R&D cost in total was 12.4349 trillion yen. Of this, R&D spending by the information and communication industry accounted for 4.7036 trillion yen, or 37.8% of the total (Figure 2-4-1).

Of the R&D spending by the information and communication industry, information and communication electronics equipment industry makes up 18.4% of the entire industry.

2 Trade in technology

In FY 2004, the export value of trade in technology was 1.7694 trillion yen (a 17.0% increase over the previous year), and of this, the export value in the information and communication industry accounted for 309.6 billion yen. In the meantime, the import value of trade in technology was 567.6 billion yen (a 0.7% increase over the previous fiscal year). Of this, the import value in the

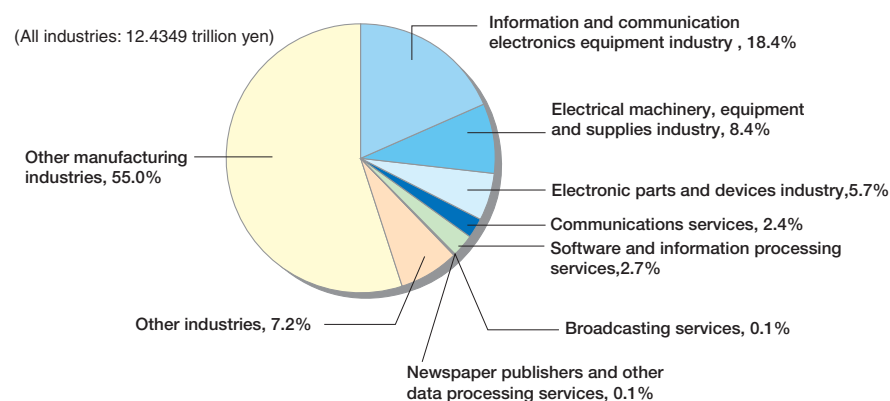
information and communication industry accounted for 302.1 billion yen. The market of trade in technology in total shows an excess of export, however, import and export values in the information and communication industry are very close.

Of technology import and export in the information and communication industry, the industry of information and communication electronics equipment accounted for over 60%.

3 Human resources development

Among researchers in companies, those engaged in the information and communication industry were 193,830 people (a 6.1% increase over the previous fiscal year). Of researchers engaged in the information and communication industry, those in the information and communication electronics equipment industry occupied 18.8% of the entire industry, which was the highest rate in the information and communication industry.

Figure 2-4-1 Ratio of R&D spending in information and communication technology industry



* R&D spending in the information and communication industry means that for the information and communication electronics equipment industry, electrical machinery and equipment industry, electronic parts and devices industry, and information and communications services (software and information processing services, communications services, broadcasting services, newspaper, publication and other data processing services).

Source: MIAC "2005 Report on the Survey of Research and Development"