

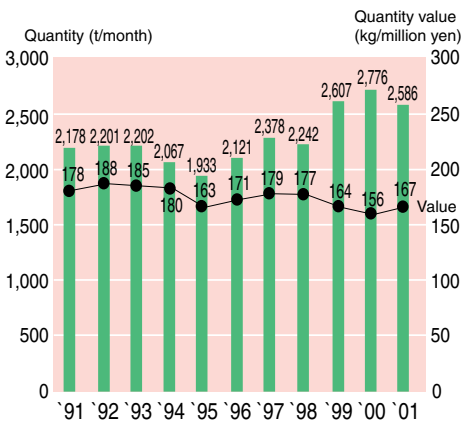
Initiatives for Reducing Waste

Nitto U-tech Corp. was established in 1992. As a result of carrying out material recycling and thermal recycling (using industrial waste as fuel) of waste, the amount of industrial waste discarded was dramatically reduced, and fiscal 2002 targets were cleared in fiscal 2000. Targets were therefore revised upward in 2001. Elimination of waste discharge was achieved at our Toyohashi plant in March 2001, followed by our Kanto plant and Shiga plant in fiscal 2001. We are now planning to achieve this at all Nitto Denko Group companies.

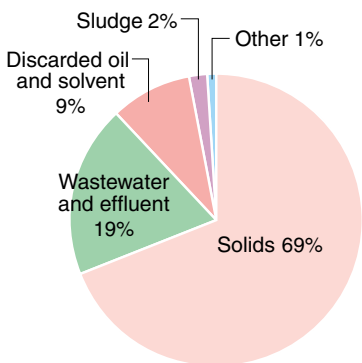
Amount of industrial wastes

The amount of industrial wastes decreased slightly compared with the previous year due to production decline because of economic recession. There has however been an increase in amount of industrial wastes generated per product unit, which is a theme for the future.

Amount of industrial wastes



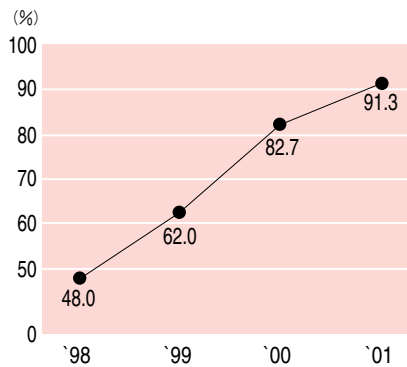
Breakdown of amount of industrial wastes



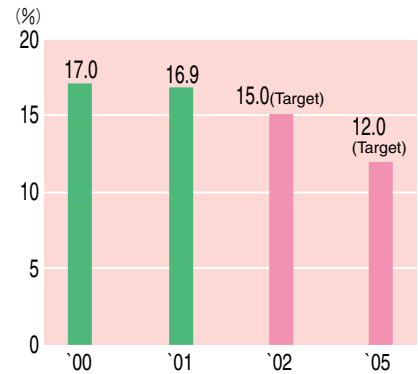
Recycling of industrial waste

Industrial waste generated in the manufacturing process is thoroughly sorted and recycled. The recycling rate for all Nitto Denko Group companies has been improved to 91.3%. It appears we will achieve 98% of the target value by the end of fiscal 2002.

Recycling rate



Value of industrial waste ratio



Reduction of value of industrial waste ratio

To suppress generation of industrial waste at the source, value of industrial waste ratio has been established as a control index for percentage of product unit accounted for by material/processing cost of industrial waste. This value is linked with environmental accounting, and helps promote environmental management. The value of industrial waste ratio for fiscal 2001 was 16.9%, an improvement of 0.1 points over the previous fiscal year. In the future we hope to achieve 12% of the fiscal 2005 target by development of manufacturing technology and process.

Development of technology to reduce value of industrial waste ratio

The main value of industrial waste is accounted for by waste produced in the manufacturing process of film and tape. Approximately 70 percent of this waste is accounted for by leftover cuttings, loss when starting, stopping and switching production. The entire Nitto Denko Group including both domestic and overseas companies cooperates in developing manufacturing technologies to reduce waste produced in such manufacturing processes.

Technology to reduce industrial waste (study example)

