



Prevention of Global Warming

The reduction of greenhouse gases is becoming increasingly urgent. Murata places priority on the reduction of total emissions and per unit of net production emissions of greenhouse gases, and the Group is involved in efforts to prevent global warming.

Reduction of CO₂ Emissions

Results of fiscal 2008

In fiscal 2008, greenhouse gas emissions of the Group business sites in Japan decreased by approximately 7,800 tons from the previous year. This is attributable to continuous group-wide energy-saving efforts as well as reduced production due to economic slowdown. As for greenhouse gas emissions per unit of net production*, the result for fiscal 2008 was a 37% reduction relative to the fiscal

1990 level. This figure (37%) is above the fiscal 2008 target of 35% or more, but has dropped from the previous year (49%). This is considered largely due to a significant increase in emissions coefficient* of Hokuriku Electric Power Company (which is the power supplier for the Hokuriku region, where many of our production plants are located), from 0.457kg-CO₂/kWh in the previous year to 0.555kg-CO₂/kWh.

Conducting Energy Conservation Inspections in Collaboration with Outside Experts

Murata conducted energy conservation inspections by sending the internal energy conservation teams to its plants. In fiscal 2008, plant energy conservation inspections were conducted in cooperation with outside energy experts,

including staff from electric companies and air-conditioner manufacturers. We intend to vigorously promote energy-saving and global warming prevention measures that incorporate new perspectives and ideas from outside experts.

Efforts to Reduce Greenhouse Gas Emissions

In fiscal 2008, Murata achieved a reduction in greenhouse gas emissions. To continue the reduction of greenhouse gas emissions in the future, the top management holds discussions on emissions reduction

strategies and measures. We plan to set emissions reduction targets for fiscal 2009, to determine specific measures and activities to meet those targets, and to vigorously implement those measures and activities.

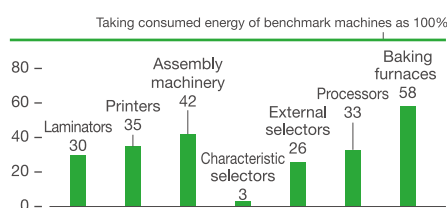
Development of Energy-Saving Production Equipment

In fiscal 2008, we developed five new types of equipment, installing 160 new energy-saving machines in our plants. This resulted in a reduction of approximately 2,800 tons of CO₂ emissions. We also conducted energy-saving production equipment design training at two top-ranking plants among Murata's domestic plants in terms of CO₂ emissions performance. Beginning in fiscal 2009, we are moving ahead with the development of energy-saving equipment, focusing on five targets: ① increased baking furnace efficiency; ② major restructuring of key product production equipment (laminators; 75% energy savings over current equipment); ③ use of waste heat for drying equipment (50% energy savings over current equipment);

④ an enhanced system of energy savings checks during equipment design audits; and ⑤ energy-saving design training at domestic plants.

Energy Conservation Performance

Benchmark ratio for consumed energy (comparison of consumed energy per unit with existing benchmark machines)



Memo

*About Emissions per Unit of Net Production

The emissions ratio is the value of CO₂ emissions against real production, which is calculated by adjusting production (monetary value) for deflation using the domestic corporate goods price index (for electronic components and devices) announced by the Bank of Japan. This figure indicates the quantity of greenhouse gases emitted in the process of producing a given product quantity (monetary value).

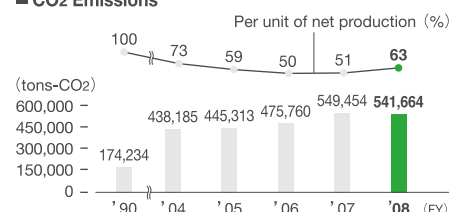
*What is the power company emissions coefficient?

In accordance with the Calculation, Reporting and Publication System for Greenhouse Gas Emissions, calculations of greenhouse gas emissions are performed using emissions coefficients per unit of electric power for each electric power company, disclosed by the Ministry of the Environment.



Energy Conservation Inspections

CO₂ Emissions



Message

We Are Vigorously Striving to Reduce Greenhouse Gas Emissions.

Komatsu Murata Manufacturing achieved a 11% reduction in CO₂ emissions per unit of net production from the previous year through introduction of energy-saving equipment and facilities, fuel conversion and waste heat utilization. As a result of converting boiler fuel from heavy oil A to electricity to reduce CO₂ emissions from boiler combustion, CO₂ emissions are expected to decrease by 63% compared with the conventional fuel-based heat source system. In future, we will continue making a steady and concerted effort to reduce CO₂ emissions, so as to continue meeting our reduction targets. We are committed to further intensifying our efforts to reduce greenhouse gas emissions.



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