Prevention of Global Warming

In its business activities, Murata actively implements initiatives to curb greenhouse gases, particularly CO₂, which directly cause global warming. Accordingly, we promote energy conservation and other measures for our production facilities.

About Comparisons per Unit of Net Production

The JEITA common index, which is the value of CO₂ emissions against net production (monetary value), adjusted using the corporate goods price index announced by the Bank of Japan. A fall in this figure indicates that a given product quantity (monetary value) is produced using less energy.

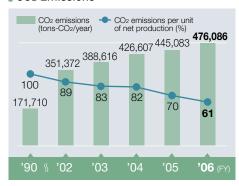
About Double-Bundle Turbo Refrigerators

Equipment that enables simultaneous extraction of hot and cold water through recovery of surplus waste heat generated during cold-water manufacture. This equipment facilitates discontinuation of LPG-powered hot-water generators used in conventional systems, thus reducing CO₂ emissions to approximately one-quarter.

Reduction of CO₂ Emissions

Murata is striving to reduce CO₂ emissions by domestic manufacturing plants and subsidiaries by 28% per unit of net production compared with fiscal 1990 levels. By fiscal 2006, we had slashed this figure by 38.8%. However, we anticipate a rise in energy consumption from the expansion of plant facilities, so we will continue our endeavors to ensure we meet

CO₂ Emissions



our unit targets for fiscal 2010.

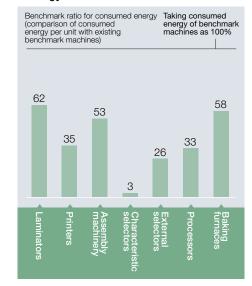
Murata's actual emissions were up 5.5% during fiscal 2006 as a result of production expansion. However, we are aggressively advancing with our energy reduction strategies through the introduction of such high-efficiency equipment as double-bundle turbo refrigerators and other measures. During fiscal 2007, we aim to extend our energy conservation initiatives from Japan to overseas operations.

Production Equipment Development to Realize Energy Savings

Murata conducts its development with the ideal of realizing minimal energy consumption from a small production area. Comparing energy consumption per unit of net production for newly developed equipment with existing benchmark machines shows savings in both energy and space in equipment developed since 2004.

By introducing such newly developed equipment into our manufacturing plants, we achieved an annual reduction of approximately 17,400 tons-CO₂ during fiscal 2006. This is equivalent to 3.8% of total CO₂ emissions for all domestic manufacturing plants for the year.

Energy Conservation Performance



Employee Perspective

Hints on Saving Energy in Our Day-to-Day Business

We adopted double-bundle turbo refrigerators in response to plans to boost cooling and heating equipment required for office interior air conditioners. Changing from conventional LPG-powered to high-efficiency electrical equipment and recovery of hot-water discharge generated during cold-water production represent cuts of 4,600 tons of CO₂ emissions per year.

Global warming is a grave environmental issue facing mankind. To continue to develop in coexistence with the earth as a corporation and a citizen, we will persist in our global warming prevention measures in the future.



Shuichi Yamamoto Environmental Management Section, Administration Department, Fukui Murata Manufacturing Co., Ltd.