

Completion of 'factor 4' Line in Matsui

Demonstration of plas-aid line & high functionality mold parts

Matsui has completed the construction of the 'factor 4' line in our Osaka Factory this July. Matsui aims to achieve 'factor 4' (Doubling Wealth, Halving Resource Use) in molding factories and will display related machineries in this new showroom. On top of energy saving equipments, new technologies that greatly increase productivity of molds will also be introduced.

The following demonstration will be available in the showroom.

1. One Process Machinery – Laser Sintering and Milling Technology
 - Mold with 3-dimensional cooling pipe including high cycle improvement and elevated cooling efficiency
 - Porous structure prevents cavity gas from accumulating in the mold
2. Original Energy-saving and Resource-saving equipments
 - Dryers that save up to 40% as compared to previous line
 - New blender that minimize lost of material upon changing materials and easy to clean Low Speed Granulator
 - Air-cooled Closed Circuit Water Cooling that eliminated water wastage and maintains water quality
3. Control panel of energy saving level that allows supervision at real time
 - Shows and controls energy and resource usage of each machine in the line
4. Remake of the molding line with injection molding machine (100 tons) with high functionality molds. Other machineries such as Bumper Shredder, High Speed granulator, Dango Rolling Mill, Low Speed Granulator and other recycling equipments will also be displayed

There are also plans to include mold using Technology of Speedy Cooling by Latent Heat in the 'factor 4' model line in the future. In addition, R&D of other energy saving and enhanced productivity machineries will be continuously be added into this model room.