

1 Eliminate wasted energy

Resource consumption cut

Productivity UP

Added Value UP

Energy saving of molding machines

Are you aware that the heat from the barrel temperature control is flowing into the lower hopper block?
Why not give chopping the barrel a try? You'll be surprised how effectively it insulates.

Insulated Barrel

Overview

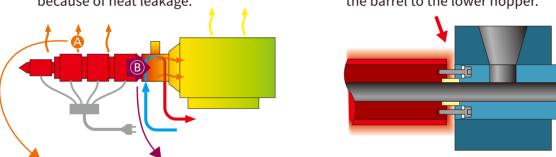
Previously, the barrel (heating cylinder) was directly connected to a steel block known as the lower hopper block, allowing heat to transfer and dissipate efficiently due to the metal-to-metal connection. To prevent heat loss, zirconia insulation centering is now used, placed and secured at this connection point.

Conventional

Insulated barrel

Conventional Insulated barrel

Electricity is being used up because of heat leakage. Ensure heat does not flow from the barrel to the lower hopper.



△ 30% → 70% ⑤ Small gap creates a significant energy-saving effect.

Conventional Insulated barrel

Φ16mm Ф22mm Φ40mm -40% 1333W Energy-saving impact of a single molding machin 1,400 W 1,200 -59% - -53% 637W 643W 1.000 Energy-saving impact of a single molding machine Energy-saving impact of a single molding machine 835W 796W 800 726W B 106W 430W 447W 388W 515W 535W 400 296W **B** 88W 690W **B** 85W 200

Conventional Insulated barrel

Features

- · Adding insulation helps cut down on the energy wasted for heating.
- Reducing heat loss also eases the strain on the working environment (saving on air conditioning costs).
- •The overall length of the barrel remains the same, and the screw and nozzle can be used as before.

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Matsui, your Plastic molding partner for resorce reduction, propose to achieve 'factor 4' in molding factors.

We aim to increase productivity by 4times by achieving the following, 'Save Water', 'Save Rasin s' and 'save Energy'.

If you are looking for a best solution...

factor4 solutions

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