

## SI-6 FEATURES

### NEW

The Si-6 series provides a SMART solution to ever-complicated injection molding process.



### New Control SYSTEM600 Control Unit

>> Totally new control system New stage of high speed and high response operation



Equipped with an easy-to-operate large touch panel, the latest control system SYSTEM 600 provides a variety of enhanced functions including improved mold protection and operator-supporting functions such as mold condition analyzing and molding navigation.

- 15-inch touch panel **NEW**
- HSP mold protection system **NEW**
- Trouble diagnosing support **NEW**
- Molding condition analyzing function **NEW**
- Molding navigation system
- Other special functions

### Space-efficient design

Easy factory floor layout or machine replacement thanks to small footprint of the machine.

## Maintenance / Environmental Performance

### >> Easier maintenance and improved eco-efficiency

Reflecting desires from users, the Si-6 series is a practically easy machine to maintain. In addition, energy-efficiency and eco-friendliness are greatly increased.



- **1 Heat-insulating heat barrel cover**  
Heater's power consumption is greatly reduced.
- **2 One-touch connection of heater and thermocouple**  
The nozzle heater and thermocouple can be connected in one-touch operation, so that the heat barrel can be exchanged very quickly.
- **3 Nozzle touch rod-eliminated structure**  
Heat barrel-related maintenance work such as nozzle or screw replacement can be made easily.  
( Si-280-6 - Si-950-6 )
- **4 Power consumption display**  
Visualization of power consumption promotes energy saving activity.
- **5 Increased cover opening**  
With this design, screw replacement work has become easier.  
( Si-50-6 - Si-230-6 )

## Injection Mechanism

### >> High precision injection for constant molding of quality products

The injection unit is equipped with low-friction linear guides so that stable injecting performance can be achieved, eventually contributing to constant quality of the molding. ( Si-280-6 - Si-950-6 )

## Mold Clamping Mechanism

### >> The Si-6 employs fruits of collaboration with academy

The clamping unit of the Si-6 series is equipped with various technologies such as "V-clamp" developed in collaboration with Kyoto University, and basic specifications such as tie-bar clearance and ejector stroke are enhanced.

### >> High precision mold clamping mechanism to produce high grade products ( Si-50-6, Si-80-6, Si-100-6 )

## Globally-uniformed specifications

Standardized multi-language screen and common safety specifications covering all the destinations of the machine