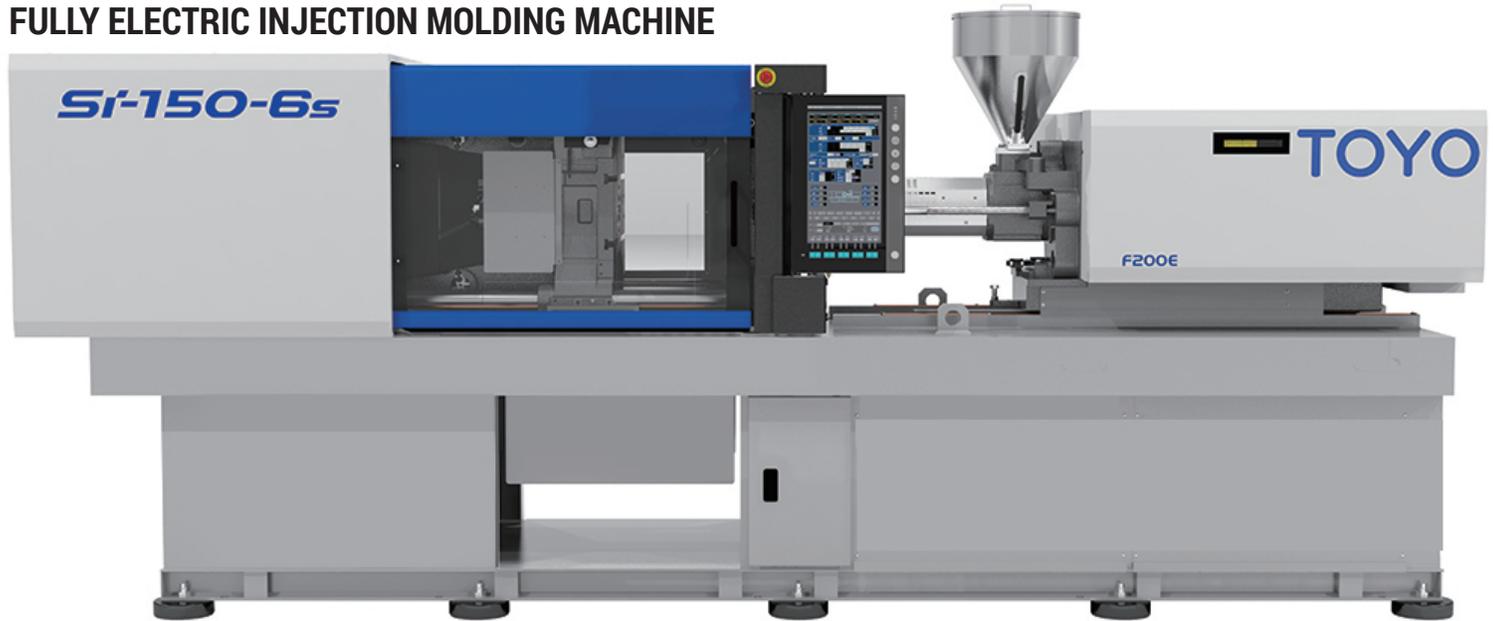




Si-6s SERIES

FULLY ELECTRIC INJECTION MOLDING MACHINE



SYSTEM 800 Advanced HMI Control

- 18.5" Color LCD Display with control & feel of operation like a "Smart Phone"
- Designed with the same Format as all TOYO Controls to Eliminate Existing Customer Re-Training
- Upload Machine Manuals, Parts Manual, PDFs, Videos of: Machine Maintenance, Mold Change Operation, HR Training etc...
- Camera Connection available via USB to Monitor Ejecting Parts or Post Molding operation
- New Programmable Machine Sequence Function
- Screen is Totally Configurable to the Operator's Preference
- All Values on Machine are Displayed in Operator Selectable Engineering Units so you Know the Exact Setting and Machine Repeatability



TOYO

TOYO has been building the Si Series Fully Electric Injection Molding Machine for over 35 years. They are the leader in New Electric Machine Technology with a new model and new technology being introduced to their customers every three to four years.

Si-6s ADVANCED TECHNOLOGY FEATURES

TOYO Quality

With quality and cost savings in the forefront of everyone's mind. The Total Average Annual Parts Cost for Customers with Si-6 Machines including normal wear and tear items is \$292. Total Average Annual Service Cost for Customers with Si-6 Machines including travel is \$34. (Sample size was for over 700 machines in operation over 6 years)

V-MODE CONTROL

V-Mode gives the customer total process control. It allows the operator to choose the acceleration (ramp-up) and deceleration (ramp-down) speeds for Injection, Mold Opening, Mold Closing and Ejection movements based on your molding parameters.

NEW POWER CONSUMPTION MONITOR

A system to track the kW usage for each servo motor and heat zone. An operator can track the total kW/h for each mold run so you will know the actual power consumption. The system also allows an operator to input a cost per kW/h to track overall cost per mold run.

FILL ONLY FEATURE

Procedure for checking first stage fill for your molding process. Fill only is set up to lower the 2nd stage pressure to whatever the machine needs, so the appropriate pressure required eliminates screw bounce, and doesn't let the screw go forward past the fill set point. Most accurate way to check first stage fill.

HIGH SPEED RESIN / COLOR CHANGE

Auto Purge feature oscillates the screw clockwise and counterclockwise at high speed to assist in material or color changes. This feature has reduced the time and material usage by up to 50% when changing materials or colors. This feature also assists in removing black specs from your process when using a clear material.

"JUST PACK" MODE CONTROL

Gives the operator faster and more precise control of the transition from injection high to pack and hold. This feature reduces stress on your part by eliminating excess holding pressure and reduces part thickness deviation by up to 50%.

"MELTCON" OPTION

Different material lots, drying conditions, regrind percentages and other factors can severely change your part quality. Meltcon eliminates these "outside factors" by measuring injection pressure at a certain speed by which the melt viscosity is calculated and displayed. Meltcon then automatically adjusts the temperatures so the melt viscosity is kept constant in a preset range. This process eliminates part variations due to outside factors and improving part quality without process changes.

Ai MOLDING CONDITION ANALYZING FUNCTION

Control analyzes your mold parameters and makes suggestions on ways to optimize the process.

SALES DEPARTMENT

800.262.7852 x270
kbruce@marukausa.com

PARTS AND SERVICE

Parts: 800.262.7852 x398
Service: 800.262.7852 x596

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