

ROBOSHOT: MEDICAL

Drug Delivery, Injectors, Clean Room Applications



Quality, reliability, and repeatability are critical to plastics processing in the medical industry. Production of medical devices frequently requires extensive process validation, sometimes taking years. Roboshot's CNC control of the entire machine using FANUC servo motor/drive technology provides identical results regardless of when the machine was produced. This reduces the validation process and with FANUC's proven reliability, it lowers production risks.

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Enhanced process capability

Technology, features and options for superior process tracking and up-time operation.

- CNC control for superior repeatability and precision
- Reference data curve saved with mold file
- 100,000 process/operator change log
- 200 operator ID with multi-level security
- Operating range setting*
- Download process data
- OPC-UA communications to auxiliaries*
- Standard digital outputs for RJG
- Analog output signals*
- Heater band/mold heater fail detect*
- VNC screen mirroring capability*
- Water systems integration*
- Automation integration*

*Optional



Reduced human error

- Communications to auxiliaries*
- Shut-down sequencing
- AI features to prevent tool damage
- Security levels to prevent process changes

Clean room options

- Greaseless tie bar*
- Base riser for better housekeeping*
- Food grade grease
- Medical white paint
- Stainless steel water systems
- Integrated hot runner systems

REMOTE MONITORING WITH ROBOSHOT-LINKi2

LINKi2 is a product and quality management tool that can connect to all Roboshot series in real time from remote PCs or Smart Devices.

Status monitor

- Achieves lower cost and higher operation rate
- Monitors power consumption

Quality information

- Provides traceability and advanced quality analysis
- Investigates cause of failure and molding repeatability

Diagnosis

- Alarm history
- Operation and parameter change history
- Remote operation functions

