Replace Your Obsolete Injection Molding Machine Control and Receive

Support When You Need It

a Friendly User Interface

Reduced Risk of Downtime

Spare Parts Availability
TMC 9001 for Injection

The FACTS Total Machine Control, (TMC) family of Injection Molding Control Systems provides complete control of the injection molding process including the recovery, clamp and ejection stages. The TMC family offers integrated control solutions using technology from key suppliers including Barber Colman, B&R Automation and Rockwell Automation.

The TMC 9001 is based upon B&R Automation’s technology solutions for the plastics industry. The B&R platform is based upon a real time operating system and tightly integrates control, user interface and I/O functions in a flexible and compact package.

Operator Interface

- 10.4” TFT Display
- 800 x 600 viewing resolution
- Touchscreen interface
- 86 Key Keyboard (Number pad and Machine Function Keys)
- Ethernet Communications 10/100
- Compact Flash slot, Type 1 for data storage
- 1x RS-232, 2x USB

Control System

The TMC 9001 base control solution is configured to support up to:

- (60) discrete inputs
- (48) discrete outputs for machine control
- (8) analog inputs for clamp, ejection and injection unit position sensing and injection and clamp pressure input
- (12) analog outputs for injection pressure, injection flow and system pressure control
- (1) digital input for screw speed
- (8) zones of closed loop temperature control for barrel, adapter and nozzle heat with J type thermocouple inputs
- Expandable as required for specific applications

Additional Services

- Linear position transducers
- Tachometer/encoder feedback for screw RPM feedback
- Hydraulic valve & power package upgrades
- Integrated mold heat and hot runner control