

PRECISION CONTROL FOR SERVO DRIVEN AUTOMATED MOLD FUNCTIONS

Molding environments are increasingly being digitized. Servos for mold functions offer superior precision, control and repeatability over traditional methods. TempMaster M-Ax offers the greatest process control accuracy and easiest adjustments of automated linear and rotary mold functions.

KEY FEATURES

PRECISE SERVO CONTROL

- Control up to 8 servo axis.
- Each M-Ax servo can be easily switched between linear or rotary axis movements.
- Integrate up to 256 temperature control zones.

SINGLE, LARGE TOUCH SCREEN HMI

- Simple and intuitive to use.
- Centralized control of servo and temperature control.

FULLY CONFIGURABLE

- Maximum flexibility.
- Programmable user defined I/O.
- Integrate additional molding functions.

ALL ELECTRIC OPERATION

- Viable for clean room applications.
- Reduces energy consumption by up to 60%.



SERVO FUNCTIONS

- Standard
- Valve gates
 - Core pulls
 - Coining plates
 - Index plates
 - Stripper plates
 - Ejector plates
 - Rotary tables
 - Spin stack

- Advanced
- **E-Drive**
 - **E-Multi**
 - And more...



INTUITIVE CONTROL SCREENS

The screenshots illustrate the user interface for configuring and starting the machine. The top-left panel shows a grid of movement permissions for various axes (CubeF1, StripF2, LiftRot3, etc.) with buttons for 'Go OUT' and 'Go IN'. The middle panel displays the 'Auxiliary Axis Configuration' for 'Axis 1: CubeF1', including options for 'Axis Enabled', 'IN Movement Profiles', and 'OUT Movement Profiles'. The bottom-right panel shows the 'Graphical Startup Wizard' with a 'Are you logged in?' prompt and icons for different axes (1-6). A 'Demo' button is also visible.

- Simple to use
- Requires minimal familiarization
- Faster start-ups

SPECIFICATIONS

M-Ax servo drives	8
Continuous current per drive	11.5 amps (28 max)
Continuous mechanical output per drive	3.5 KW
Configurable IO standard	16 (8 In/8 Out)
IMM interface	E67
Mains voltage	3 AC 200-480 V

*For temperature control specifications please reference the TempMaster M2+ feature sheet

SYSTEM OPTIONS

- Rotary or Linear movements
- Up to 64 programmable I/O (32/32)
- Robot E67 Interface (Out)
- Bosch or Exlar motor compatible
- Motors supplied (customer specified)
- Integrate up to 256 zones of TempMaster temperature control featuring precise APS control technology

