



# 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. The M-Ax servo motion controller 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 zones of temperature control.

### SINGLE, LARGE TOUCH SCREEN HMI

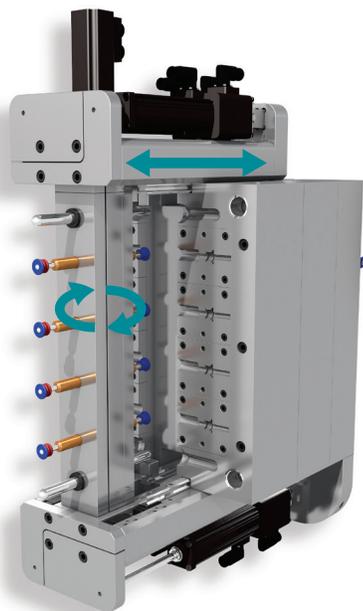
- Simple and intuitive to use.
- Centralized control of servo and temperature control.

### 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

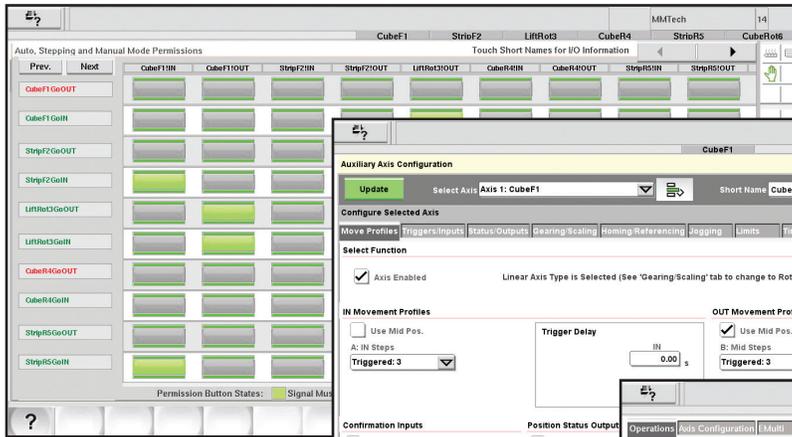
### STANDARD

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

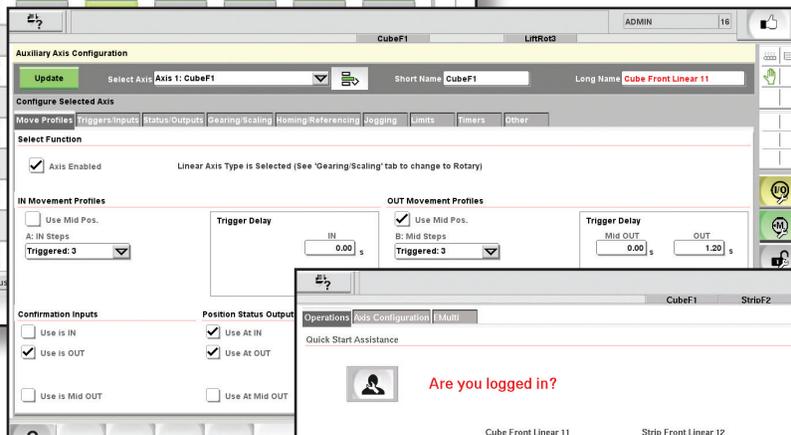
### ADVANCED

- E-Drive
- E-Multi
- And more...

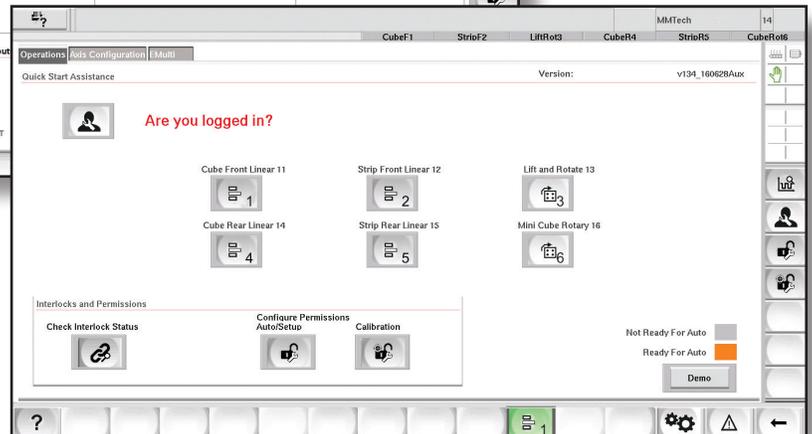
## INTUITIVE CONTROL SCREENS



Movement permissions



Axis configurations



Graphical Startup Wizard

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

## SPECIFICATIONS

<b>Servo axis control (max)</b>	8
<b>Continuous current per drive</b>	11.5 amps (28 max)
<b>Continuous mechanical output per drive</b>	3.5 KW
<b>Configurable IO standard</b>	16 (8 In/8 Out)
<b>IMM interface</b>	E67
<b>Mains voltage</b>	3 AC 200-480 V

## 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

