

## LSR, SERVO CONTROLLED, AUXILIARY INJECTION UNIT

E-Multi easily and economically converts existing equipment to enable multi-shot and multi-material molding, expanding your operations potential. Now available for LSR, the proven E-Multi platform is fully compatible with any Injection Molding Machine and the ideal solution for precision molding applications.

### KEY FEATURES

#### PRECISION SERVO CONTROL

- Achieve critical shot weight accuracy in micro-molding applications within 0.004g.
- Offers unbeatable repeatability and reliability.

#### QUICK CHANGE BARREL ASSEMBLY

- Minimizes downtime for quick and easy cleaning.

#### DIRECT MELT PRESSURE CONTROL

- Enhances process control and precision.

#### ALL ELECTRIC

- Energy efficient and suitable for clean room applications.

#### THERMOPLASTIC CONVERTIBLE

- Capable of processing thermoset and thermoplastic materials.
- Requires optional thermoplastic screw and barrel assembly.



## E-MULTI LSR CONTROLLER

The full featured E-Multi controller with easy to navigate 15" touch screen the gives the operator complete process flexibility.

As standard, the controller is equipped with SPC (Statistical Process Control), data logging and Multi-Level password and RFID access cards so only authorized individuals can change processes.

Centralize and enhance your molding processes by integrating additional molding functions directly into the E-Multi controller:

- TempMaster Mold Heat Control
- E-Drive Synchro Plate Control
- SVG (Sequential Valve Gate) Control
- Index Plate or Rotary Table Control
- M-Ax Auxiliary Servo Motion Control

## E-MULTI PACKAGE INCLUDES:

- E-Multi Controller w 15" Touch Screen
- Remote Diagnostics Kit
- Lifting Kit
- Oil Fill Kit
- 7.5m (25') Drive Cable to E-Multi Unit
- Virtual Network Control (VNC)
- LSR Shut-Off Nozzles
- Servo Carriage
- Euromap67 or SPI IMM Interface
- 2 Valve Gate Control
- Configurable I/O
- 5m (16') Supply Cable (3-phase 400V/460V)
- (2) RFID Multi Level Access Cards (Supervisor/Operator)

## SPECIFICATIONS

### EM1-30 LSR

#### Standard

#### Optional

Screw Diameters	mm (in)	16 (0.63)	22 (0.87)
Screw Length	L/D	11	8
Injection Pressure	bar (psi)	1,350 (20,000)	810 (11,700)
Injection Stroke	mm (in)	100 (4)	
Shot Vol. (Max Theo.)	cc (oz)	20.1 (0.68)	38 (1.28)
Screw Speed (Max)	rpm	600	
Injection Velocity (Max)	mm/s (in/s)	180/360 (7/14)	
Injection Rate (Max)	cc/s (oz/s)	36/72 (1.2/2.4)	68/136 (2.3/4.6)
Nozzle Touch Force	kn (lbf)	30 (6,700)	
Installed Power	kW	15 kVA	
Unit Dimensions mm (in)	L	1,440 (57)	
	W	390 (15)	
	H	420 (17)	
Unit Weight	kg (lb)	310 (683)	

