



THE MOST VERSATILE, ALL ELECTRIC SERVO DRIVEN, AUXILIARY INJECTION UNIT







OPEN THE DOOR TO PRECISION MULTI-SHOT APPLICATIONS

Easily and economically convert any existing Injection Molding Machine to allow multi-shot capabilities. The successful E-Multi platform offers proven precision, repeatability, versatility and reliability. Compatible with a wide range of thermoplastic and LSR materials, E-Multi is ideal for a wide range of applications across any industry.

KEY FEATURES

SERVO DRIVEN

- High precision, fast, repeatable and reliable performance.
- Suitable for high tolerance applications.
- Program up to 10 injection profiles and holding pressures.
- Statistical process and production tracking.

VERSATILE MOUNTING OPTIONS

- Vertical, horizontal and custom mounting options.
- Can adapt to many requirements.
- Various feeding options available.

COMPACT DESIGN

- Preserves valuable floor space.
- Save up to 100ft² (9.3m²) of space compared to alternatives.
- Vertical installations virtually eliminate any footprint.

UNIVERSAL COMPATIBILITY

- Can be installed on <u>ANY</u> Injection Molding Machine.
- Seamless operation via IMM interface.
- Integrate robotic interface.

ALL ELECTRIC

- Energy efficient.
- Viable for clean room applications.
- Minimal maintenance requirements.

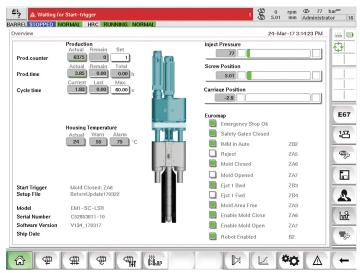
Full range of horizontal or vertical mounting options available



EXPANDABLE MULTI-FUNCTION CONTROLS

Easily integrate additional functionality into your E-Multi controller. Centralize your molding process, eliminate unnecessary equipment and save valuable floor space.

- TempMaster Hot Runner Temperature Control
- Valve Gate Control
- E-Drive Synchro Plate Control
- Rotary Table Control
- M-Ax Auxiliary Servo Control



Intuitive touch screen process controls

INTEGRATED COMMUNICATIONS









SPECIFICATIONS

MOSTIC SHONE	North Stroke		E-Multi Weight		Overall Height 'H'		Overall Width 'W'		Total Length 'L'	**Amperage	Installed Power		Nozzle Touch Force		* Max. Injection Rate	Velocity	* Max. Injection	Screw Length	Max. Screw Torque	Max. Screw Speed		Shot Weight		Shot Volume		Injection Stroke		Injection Pressure		Screw Diameter	Model Number	
	3	lbs	kg	5	mm	5	mm	5	mm	Amps	kW	lbf	ž	oz. PS/s	cc/s	in/s	mm/s	L/D	Nm	rpm	₽.	g PS	oz. PS	cc	ij	mm	psi	Bar	5	mm	er	
														0.95 / 1.86	28 / 55			20	80		0.02	7.7	0.26	7.7			29,000	2000	0.55	14		
		420	190	15.7	400	15.4	390	48.8	1240	40	12 / 18 kVA	2,200	10	1.22 / 2.43	36 / 72	7.1 / 14.2	180 / 360	18	80	600	0.02	10.1	0.34	10.1	2.0	50	22,200	1530	0.63	16	EM1-15	
														1.56 / 3.11	46 / 92			16	80		0.03	12.7	0.43	12.7			17,500	1210	0.71	18		
100	8													1.22 / 2.43	36 / 72			24	80		0.04	20.1	0.68	20.1			22,200	1530	0.63	16		
		450	205	15.7	400	15.4	390	52.8	1340	40	12 / 18 kVA	2,200	10	1.56 / 3.11	46 / 92	7.1 / 14.2	180 / 360	21	80	600	0.05	25.4	0.86	25.4	3.9	100	17,500	1210	0.71	18	EM1-30	
														2.30 / 4.63	68 / 137			18	80		0.08	38.0	1.28	38.0			11,700	810	0.87	22		
														1.56 / 3.11	46 / 92			26	80		0.07	31.8	1.08	31.8			36,400	2510	0.71	18		
	_	7	₃	_	4	_	4	6			24	3,		1.93 / 3.82	57 / 113	7.1	180	23	140	5	0.08	39.3	1.33	39.3		_	29,000	2000	0.79	20	EM	
100	00	710	320	17.7	450	17.3	440	65.0	1,650	40	24 kVA	3,800	17	1.93 / 3.82 2.30 / 4.63	68 / 137	7.1 / 14.2	180 / 360	21	200	500	0.10	47.5	1.61	47.5	4.9	125	23,900	1650	0.87	22	EM2-80	
														2.98 / 5.99	88 / 177			18	200		0.13	61.4	2.08	61.4			18,600	1280	0.98	25		
														166 / 3.35	49 / 99			29	250		0.12	57.0	1.93	57.0			36,400	2510	0.87	22		
		1200	525	20	510	19	490	7(1,0	40 / 60	35 / 4	5,6	25	2.16 / 4.33	64 / 128	5.1/	130	25	300	4	0.16	73.6	2.49	73.6	5.9		36,400	2510	0.98	25	EM3-200	
		1200 /1225	525 / 555	20.1	6	19.3	90	5.6	1,945	60	35 / 47 kVA	5,600	5	2.16 / 4.33 2.71 / 5.41	80 / 160	5.1 / 10.2	130 / 260	22	350	410	0.20	92.4	3.12	92.4	.9		29,000	2000	1.10	28	-200	
100	5													3.55 / 7.07	105 / 209			19	350		0.25	120.6	4.08	120.6			22,200	1530	1.26	32		
		1,300	570	20.1	510	19.3	490	80	2,045	60	47 kVA	5,600	25	4.90	145	7.1	180	24	350	410	0.25	120.6	4.08	120.6	5.9		29,000	2000	1.26	32	EM3-250	
		00	0		0	.3	ŏ	5	45	0	(VA	00	5	6.90	204	1	30	20	350	0	0.36	170.1	5.75	170.1	.9		20,600	1420	1.50	38	-250	
														5.95 / 19.10	176 / 565			24	350		0.56	263.9	8.92	263.9			29,000	2000	1.57	40		
100	1	1,980	900	24	61	26.0	650	96.0	2,450	100	70 KVA	7,900	35	5.95 / 19.10 7.54 / 24.21 9.3 / 29.89 11.26 / 36.15	223 / 716 275 / 884	5.5 / 17.7	140 / 450	21	600	280	0.71	334.0	11.29	334.0	8.3	210	22,900	1580	1.77	45	EM4-550	
2		80	ő	*	Õ	.0	Ö	.0	50	ő	VA	00	5	9.3 / 29.89	275 / 884	17.7	450	19	700	Ö	0.87	412.3	13.94	412.3	3	0	18,600	1280	1.97	50	550	
														11.26 / 36.15	333 /1,069			17	800		1.05	498.9	16.87	498.9			15,400	1060	2.17	55		

STANDARD PACKAGE

ON-SITE START-UP SUPPORT AND TRAINING
E67->SPI/E12 robot IMM interface adapter
rotary table and index platen controls
12 valve gate control (max)
• 36-zone TempMaster HR control (max)
• (2) valve gate control
 Remote diagnostics package
• 7m servo drive cable to E-Multi
• 4m power cable (3-phase) 400V/460V)
 Machine interface cable (E67)
• (2) RFID access cards (operator/supervisor)
• 15" touch screen interface
CONTROLLER

Notes: 1. "Standard Speed/High Speed Option.

Z. Electrical - Standard Voltage 400/480 Voltes: *Calculated Amperage, E-Multi only,
3. Short Volume based on PS theoretical values.
4. Recommended actual maximum short size is 50% to 75% of the shot volume in
this specification, depending on the application.

Specifications subject to change without notice. Customizable & Specialty Material Solutions Available. Other Configurations Available.



horiontal mount

vertical mount