

### Model B-100



# Hand-operated Plastic Injection Molder

"Ideal for prototyping & materials testing"

- Weighs about 35 lbs. (16 kg.)
- Plugs into ordinary wall socket
- High quality construction
- Solid cast iron frame
- Non-stick coating applied to injection ram
- Nickel plated injection chamber & nozzle
- Stainless steel protective enclosure
- Built-in thermal breaker switch for added safety
- Cleaning tool kit included for easy cleaning



Model B-100 Injection Molder & ECB-001 controller

#### ODEAL FOR:

Prototyping	<b>Materials Testing</b>	Overmolding	Educational
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**Patents Pending** 

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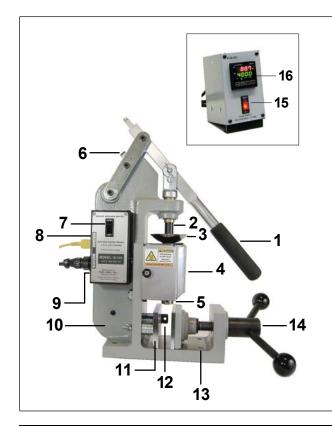


#### TECHNICAL DATA SHEET

## Model B-100 **INJECTION MOLDER**



w/ ECB-001 temperature controller



FEATURES		
1	Cushioned handle grip	
2	Injection ram (with non-stick coating)	
3	Pellet tray (chrome plated)	
4	Protective enclosure (stainless steel)	
5	Injection nozzle (removable)	
6	Handle lock	
7	Power switch (with built-in thermal breaker)	
8	Sensor input jack (Type K thermocouple)	
9	Power input jack	
10	Support frame (cast iron / powder coated)	
11	Back plate (adjustable position)	
12	Mold stop	
13	Mounting holes	
14	Vise handle	
15	Power switch (with built-in thermal breaker)	
16	P.I.D (dual digital display)	

SPECIFICATIONS		
Maximum processing temperature	600F (316C)	
Injection tube capacity	Volume = 1 cu. inch. (16cc) – (about 17g of PS by weight)	
Volts AC / Hz	120V or 240V 50/60Hz (see label on machine and controller)	
Watts	400	
Power switch (w/ built-in thermal breaker)	5 AMP	
Maximum mold size	2.50"W x 2.63"H x 4.00"L (≈ 67mm X 64mm x 102mm)	
Injection nozzle orifice	.125" dia. (≈ 3.17mm)	
Sprue center line	1.25" (32mm) - distance from backing plate to nozzle orifice center	
Machine weight	35 lbs. (≈16Kg)	
Machine footprint	4.00"W x 8.25"D (≈10cm x 21cm)	
Maximum machine dimension	9" x 14" x 25" (w/ handle up) - (≈ 23cm x 36cm x 64cm)	

Equipment includes our 1 Year Limited Warranty. Model B-100 purchase includes the following accessories: practice mold, purge block, pour tube, handle extension, sprue cutter pliers, needle nose pliers, wooden craft sticks, mold release spray, 1 lb. of resin pellets (LDPE). Equipment does not carry a UL, or CSA mark. Our 240V units are CE marked.

If you would like to place an order or want a formal quotation, please contact us.

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