

667 | Hand Truder

Model PM-1



Pelletizer



Molder

The Hand Truder is a simple device to pelletize or injection-mold a small amount of plastic sample with a single unit.

It can easily pelletize irregularly shaped samples or powders kneaded with a mixer such as a Labo Plastomill, and by attaching a mold, it can mold them into various shapes, such as small dumbbell test pieces, to produce evaluation test specimens.

■ FEATURES

- Ideal for making pellets from mixed samples that are irregular when collected (e.g., samples mixed in a mixer or roll mill).
- No worries about water absorption since up to 40 cc of sample is collected as pellets while suction-cooling with a cleaner.
- Various small specimens of kneaded material can be formed by attaching a mold (standard 14cm³, option 4.5cm³)

SPECIFICATIONS

Pelletizer	
Temperature	RT+20 to 400°C
Cylinder	Built-in
Sample capacity	Max. 40cm ³
Extruding speed	8 to 80mm/min.
Motor	Brushless DC motor x 2
Cut speed	Interlocking with extruding speed
Size of pellet	Approx. Ø2.5 x 2.5mm (Variable length)
Cutter	Tungsten carbide tungsten WC10
Pellet collection method	Suction by vacuum cleaner
Cooling method	Air cooling by cleaner
Molder	
Temperature	RT+20 to 400°C
Cylinder (Inner cylinder replacement type)	● Ø12 x 130mm ● Ø7 x 130mm (Optional)
Sample capacity	● Max. 14cm³ ● Max. 4.5cm³ (Optional)
Injection operation	Manual operation (Lever up/down operation)
Mold	Small size test specimen 3 pieces combination type W60 x L100mm
Temperature control of Mold	Electrical heating, RT+10 to 200 °C
Power requirements	● Single-phase, AC100V, 50Hz or 60Hz, 1.2kVA ● Single-phase, AC100V, 50/60Hz, 0.8kVA
Dimensions	W603 x D866 x H1175mm
Net weight	Approx. 110kg

Intermediate Mold

Description		Qty	Capacity	Applicable mold	Model
Dumbbell	JIS K 7161-2 1BA	1	1.7cm ³	100 x 60, Ø3mm	721M13
	JIS K 7161-2 1BA	1	1.7cm ³	200 x 60, Ø3mm	721M23
	JIS K 7161-2 1BA	2	3.4cm ³	100 x 60, Ø3mm	722M13
	JIS K 7161-2 1BA	2	3.4cm ³	200 x 60, Ø3mm	722M23
	JIS K 7161-3 1BA	2	3.4cm ³	200 x 60, Ø5mm	722M25
Rectangle	10 x 80 x 4mm	1	3.3cm ³	100 x 60, Ø5mm	841M13
	10 x 80 x 4mm	2	6.9cm ³	200 x 60, Ø3mm	842M23
	10 x 80 x 4mm	1	3.7cm ³	200 x 60, Ø5mm	841M25
Dumbbell	JIS K 7160 4	1	2.2cm ³	100 x 60, Ø3mm	631M13
	JIS K 7160 4	2	3.9cm ³	100 x 60, Ø3mm	632M13
	JIS K 7139 A1 t=4mm	1	10.1cm ³	200 x 60, Ø3mm	141M23
	JIS K 7139 A1 t=2mm	1	5.3cm ³	200 x 60, Ø5mm	121M25
	JIS K 6251 3	1	3.7cm ³	200 x 60, Ø5mm	121N25
	JIS K 6251 5	1	3.9cm ³	200 x 60, Ø5mm	121P25
Rectangle	For adhesion test	1	1.0cm ³	100 x 60, Ø3mm	421M13

Specifications are subject to change without notice.



TOYO SEIKI SEISAKU-SHO, LTD.

5-15-4, Takinogawa, Kita-ku, Tokyo 114-8557, Japan

Tel: +81-3-3916-8183 Fax: +81-3-3916-8173

www.toyoseiki.co.jp

20240903 MN (2023.3.8 JP)