

Vertical Injection Moulding Machine Suitable for Hand Moulds

Injection moulding is a process of producing solid plastic products like caps, buttons, spoon, socket, others.

Vertical Injection moulding model DH 40 offers wide scope of applications while requiring least resource and maintenance. Apart from requirement of Micro Industry development, Training and Skill development activities, this machine model intends to provide opportunity to all **HAND MOULDING** units to upgrade to automation and avail production output with quality.

Model: DH 40
Shot Weight: 40 grams
Production Output: 3-5 shots per minute (multiply by No. of mould cavities)
Injection unit Plunger type

This Vertical Injection moulding machine serves as **direct replacement** for conventional (now outdated) **HAND moulding machine** eliminating vigorous tiring manual labor and poor quality products with Rejections involved in Hand Molding machine (Since pressure is human bound & poor temperature control). The machine is suited to accommodates and run HAND moulds.

The machine operates fully on hydraulics - Injection, direct locking (clamp) for moulds and has automatic material hopper to drops set amount of material in the barrel after each cycle. Precise parameter controls for Injection and clamping pressure, cooling time, processing temperature controls are available on machine to suit product and material processed. Control Panel has Semi auto (single cycle) and manual operation (push button) selection options. **NOTE:** Above model with SCREW Injection also available optionally

Ideal for Set Ups like:

- Production of small Plastic components & and prototyping centers
- Micro / Rural Industry development & Employment generation projects
- Skill Development & Incubation centers
- Industrial Training Centers (ITI) & Self Help groups
- Training in Engineering Colleges / Institutes and Polytechnics
- New Start Ups / Entrepreneurship development / Make In Own COUNTRY Drives

Salient Features:

Operation on Full Hydraulics	- Single Phase Power
Substantial power savings	- Semi auto / Manual cycle option
Injection	- consumes ~ 2.5 to 3 units / hour
Simple operations	- Plunger (RAM) type
Mould size	- No Skill labor required
Hopper	- max 5x5 inches - Direct clamping
Control panel	- auto loading of material in barrel after each cycle
	- Analog



Process all general and engineering thermoplastics like LDPE, HDPE, Polypropylene, ABS, HIPS, EVA, Nylon, Polyacetal and others

Advantages:

Suited to work with existing and new Hand Moulds
Insert moulding application (over-moulding of inserted parts) possible
Low capital investment & working capital requirements
Anywhere Installation in office, non-industry zones, rural areas in small space
Cater to different sectors / industries requirements on same machine
Business opportunity generating employment & industry development
Price in accordance with Government schemes for new start-ups, industry development

Applications: Products produced: Caps and Closures, plugs, automotive components, Medical & dental products, household products, plastic buttons, containers, electrical & electronics parts, industrial components, small parts of appliances / equipment's and many others.

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