

Energy Saving Compact Single phase Injection moulding machine (PATENT pending)

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

Vertical Injection moulding model DS 40 offers wide scope of applications while requiring minimum resource and maintenance. The machine model developed keeping in mind requirement of Micro Industry development, Training and Skill development activities.

Model: DS 40
Shot Weight: 40 grams
Production Output: 3-5 shots per minute (multiply by No. of mould cavities)

Ideal in Set Ups like:

- Training in Engineering Colleges / Institutes and Polytechnics
- Skill Development & Incubation centers
- Industrial Training Centers (ITI) & Self Help groups
- For master batch / pigments colour chip moulding and testing
- Testing Labs (ASTM / ISO specimen moulding) and prototyping centers
- Micro / Rural Industry development & Employment generation projects
- New Start Ups / Entrepreneurship development / Make In Own COUNTRY Drives



Salient Features:

Screw type	- Single Phase Power
Fully Automatic	- Auto/Semi/Manual cycle option
Substantial power savings	- consumes ~ 3 to 3.5 units / hour
Simple operations	- No Skill labor required
Mould size	- max 10x10 inches - Toggle clamping
Control panel	- Digital (PLC) / Analog

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

Advantages:

Offer Business opportunity, Promotes Industry Development in country
Production of small plastic components with low resource requirements
Aids Self Employment and Poverty Eradication programs
Suitable to be installed in Non-Industrial zones and Rural areas
Least Maintenance cost & Power consumption (in its range of machines)
Upgrade existing HAND MOUDLERS to automation, efficiency and higher income slab
Price in accordance with Government schemes for New Start-Ups, MSME Industry Development

Applications: Products that can be made: Caps and Closures, plugs, buckles, automotive components, Medical disposable, devices parts, dental products, household products, plastic buttons, lids, containers, electrical & Electronics parts, industrial components, toys, small parts of appliances / equipment's and many others.

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