



# Sole Molding Machine

Smart innovation for Smart World

## SPECIAL FEATURES

- Free combination for flexible production
- Increase in production efficiency by 25%
- Easy installation and relocation
- Simple structure; lower maintenance
- Module based extrusion; faster change for different size
- Faster cooling to avoid premature foaming of material
- Compact machine size to save space

## MOLD CARRIER

- Mold thickness automatically compensated by hydraulic clamping system.
- Three position rotating head (0~90~180 degrees), to provide multi mode production capability for single and double color soles.
- Precise positioning mechanism for mold rotation provides precise and fast mold positions.
- Ejector unit provided for ease and fast removal of soles from mold.

## FEEDING UNIT

- Electric motor driven at variable rpms for the production related speed.
- Three dimensional freedom at extruding nozzle for ease of positioning/aligning.
- Barrel temperature controlled with PID auto tune.
- Hoppers fitted with manual sliders for fast removal & changing material.

## BASIC INFO

Work station	2 Nos
Product color	Single and Double
Connected Power load	90.5 KW
Working Materials	TPU, Tr, TPR, PVC
Overall dimensions in mtrs.	3(L) X 2.2(W) X 2.3(H)
Weight of Machine	8 tons

## ELECTRONICS

Provides self diagnostic,

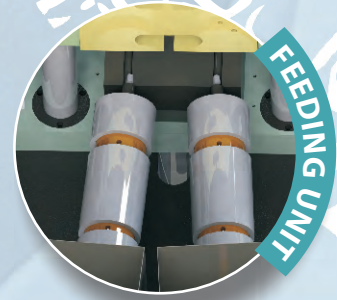
Ease of machine operations and status.

Records different recipe with different products for ease of production

Provides numbers produced as shift/ daily/ weekly basis.

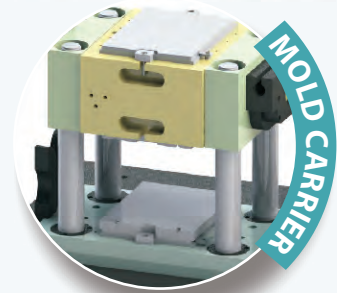
Controls the process timings and positions in precise manner.

Provides safety cut off within the danger areas where personal interaction taking place.



## DETAIL SPECIFICATIONS

Work Stations	2 Nos.	Total no. of Screws	4 Nos.
Clamping force	up to 150 tons	Screw Diameter	60 mm
Opening stroke	350 mm	Max RPM of Screw	100
Mold dimensions	400 x 325 mm	Max volume displaced	1000 cc
Mold opening+mold	380 mm	Barrel heating	7.2 x 4KW
Rotating head	0~90~180 deg.	Hydraulic units	15+2.2KW
		Panel	0.5KW



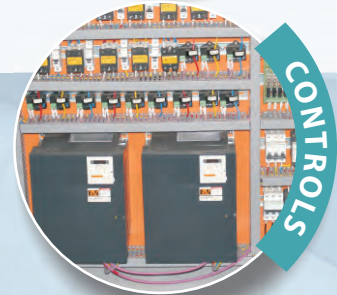
## ADDED PNEUMATIC & COOLING

Oil cooler 8000 ltrs/hr pre cooled

Barrel cooler 4000 ltrs/hr pre cooled

Total water capacity 2500 ltrs

Plexiglass pneumatic 200 ltrs/minute



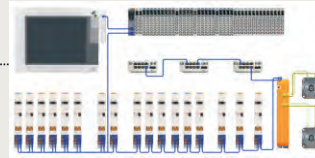
## Secure Data Cloud Platform



Camera



PLC Control



**Machine Control**

Remote Connectivity



**Remote Work Station**



**Operator Station**

## INDUSTRIAL IoT

Our Industrial IoT solutions give your organization the power it needs to be more productive and the insight to help increase in safety margins. This allows you to better safeguard your personnel and communities, extends the life of your assets and creates greater efficiencies across your operations.



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