

# MAX FOAM PLANT

FOR PRODUCING FLAT TOP FLEIXIBLE PU FOAM BLOCKS

## SLABSTOCK FOAM PLANT FM300



The FM300 is a high capacity machine for production of a continuous slab of flat top flexible PU foam with easy operation. Blocks of desired length can be cut with the help of a block cut-off machine at the end of the conveyor.

This machine comes along with a three conveyor system & a large touch panel for operation (PLC-Touch Panel).

All trial & production recipies can be stored in the PLC memory and can be recalled easily.



### Special Features:

- Output – Upto 350 kg Per minute
- Three Conveyor System having Aluminium slats
- Recipies Storage and Recall
- Digital Flow Control
- Silicon–Air Mixer
- Online Density and color change



## A.S. ENTERPRISES

An ISO 9001:2008 Certified Company

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**INDIA'S LARGEST MANUFACTURERS & EXPORTERS OF POLYURETHANE FOAM MACHINES**

The company policy aims at continuous improvement of the products, and therefore all rights to change the design and specifications without notice are reserved.  
Pictures are only suggestive, actual machine may look different.

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## STANDARD EQUIPMENT

## SLABSTOCK FOAM PLANT FM300

<b>CHEMICAL LOADING</b>	Raw material loading pumps are provided for Polyol, TDI, MeCl. They are used for transferring the chemicals from drums to their respective tanks.																								
<b>CATALYST TANKS</b>	<table border="1"><thead><tr><th>S. No.</th><th>Chemical</th><th>Quantity</th><th>Capacity</th></tr></thead><tbody><tr><td>i</td><td>Water</td><td>1 Tank</td><td>500 Ltrs.</td></tr><tr><td>ii</td><td>Amine</td><td>1 Tank</td><td>100 Ltrs.</td></tr><tr><td>iii</td><td>SO</td><td>1 Tank</td><td>100 Ltrs.</td></tr><tr><td>iv</td><td>Silicone</td><td>1 Tank</td><td>200 Ltrs.</td></tr><tr><td>v.</td><td>Colors</td><td>2 Tanks</td><td>100 Ltrs. Each</td></tr></tbody></table>	S. No.	Chemical	Quantity	Capacity	i	Water	1 Tank	500 Ltrs.	ii	Amine	1 Tank	100 Ltrs.	iii	SO	1 Tank	100 Ltrs.	iv	Silicone	1 Tank	200 Ltrs.	v.	Colors	2 Tanks	100 Ltrs. Each
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<b>CHEMICAL METERING</b>	All the chemicals are metered with the help of suitable capacity geared pumps from internationally reputed companies. There are in all 9 chemical streams and air injection. Catalyst streams come with tanks, pumps, return valves and pipeline to and from the mixer Polyol, TDI and Mecl streams come with pumps, valves and flexible pipe up-to 1.5m from the mixer. Output of all chemicals is controlled from the touch screen.																								
<b>FLOW MONITORING</b>	Mass flow meters are provided for TDI, Mecl and water. Polyol and catalysts are metered through accurate RPM sensors. Flow of all chemicals is monitored through the touch screen only.																								
<b>MIXING HEAD AND MANIFOLD</b>	It is high speed pin type stirrer with a 50 hp. AC motor controlled by a variable frequency drive. RPM adjustable from 0 to 5600 RPM. All the streams are fitted on to the mixing head via 3 way valves mounted on a manifold heaving pneumatic controls. A multi-groove belt is used for driving the mixer without slippage. Provision for adding 2 streams of Polyol and 3 streams for additional catalyst can be made against order.																								
<b>FOAMING SYSTEM</b>	Two aluminum troughs are provided with the machine. Troughs are made in one piece and have plastic holding system for easy maintenance. The fall plates are made in 5 sections each having independent motor for height adjustment and indication on the panel.																								
<b>TUNNEL &amp; CONVEYOR</b>	A totally enclosed tunnel is provided with the machine. Side walls are adjustable in width from the control panel. Two Powerful fume extraction fans are provided in the tunnel, without duct. Bottom and side conveyors have strong aluminum slats and heavy duty MS chain. The tunnel is made with heavy duty MS sections, covered with waterproof ply-boards.																								
<b>PAPER FEEDING</b>	Bottom paper feeder is placed under the foaming tunnel and the side papers are fed from vertical paper feeders located on both sides of the tunnel. All the papers are automatically rewound at the end of tunnel, with the help of re-winders driven by torque control drives.																								
<b>ROLLER CONVEYOR</b>	A three meter long free-roller conveyor is provided after the slat conveyor.																								
<b>CONTROL PANEL</b>	A walk-in type panel is provided with this machine. Pneumatic & electric controls are all placed in this panel and are clearly marked. All meters and gauges are mounted on the front for simple operation. Clearly marked MPCB are provided for all motors.																								
<b>OPTIONAL EQUIPMENT</b>	Additional Polyol / Color streams, Chiller, Trolley, Tanks for Polyol, TDI and Mecl, Top Film System For Square Block, Mass Flow Meter For Polyol, Close Loop Monitoring, Block cut off machine																								

● Space Required : 50M x 6M ● Power Required : 90 KW. ● Power Supply : 410V AC 50Hz



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