



## Fully-Automatic Continuous Foaming Machine



**Process** : All the P.U. Chemicals are first mixed together in a Mixing Chamber & then taken into a Metal trough where the initial reaction takes place. The rising foam then passes from the top of the Trough on to a variable width fall plate, which then leads the expanding Foam Block along a Metal Slat Conveyor for further expansion.

**Outputs** : The Machine, delivers a maximum of 350Kg Per Minute.

**Metering System** : There are Seven Metering Systems in all. All Metering System are equipped with world class AC motors, AC Variable speed drives, Viking, U.S.A. made internal gear pumps (For Very Low Slippage), Pressure Gauges & Recirculation network to ensure high class quality product.



**Foaming Tunnel & Conveyor :** The tunnel construction forms a complete enclosure around the Foam Slab with top Plates, Side Walls & Conveyor Slats. The conveyor motor is also equipped with AC Speed drive. Side Walls can be adjusted from 0.98m~2.4m. The length of the conveyor is 16.9 meters.

**Trough & Fall :** The Trough & Fall plate section can be adjusted height wise at various levels to ensure more Flattop Blocks & is equipped with required Motors & Gearboxes.

**Paper Feed & Rewind :** This is a 2-paper system. The bottom paper feed reel is mounted in front of the foaming platform & is equipped with Unwinding motor for Automatic operation. Rewinding of the side papers is at the other end of the tunnel & the rewinding speed is self adjustable to synchronize with the conveyor speed.

**Control Panels :** This is attached at a convenient position on the foaming platform, it is equipped with necessary electronics, Flow Meter, Pressure Gauges & AC Variable Speed Drives.

**Specification :**

Max. Output Capacity:	200~350kg/min(Continuous Type)	Side Wall Size:	L16m*H120mm
Mixer Total Power:	37kw	Fallplate:	L8.5m*W0.98~2.4(Adjustable)
Max. Mixing Speed:	2500~6000r/min	Foaming Platform:	L2000mm*W3000mm*H700mm
Foaming Type:	Trough & Sprayer	Conveyor Line:	L16.9m
Standard Formula Q.T.Y.:	13 Groups	Side Bottom Paper Feed & Rewind System:	2 Sets
Foaming Size:	W2300mm*H1300mm(Width Adjustable)	Walkway:	W500mm*L15m
Control System:	PLC Digital Touch Screen(Made in Taiwan) or Electric Control System	Air Valves	Euro Standard
PPG Tank:	5 Ton * 1 Set	Chiller(Both Cooling & Heating System):	1 Set*11kw(15HP)(Made in Taiwan)
POP Tank:	5 Ton * 1 Set	Side Film Lifting System:	1 Set
PPG+CAC03 Tank:	5 Ton * 1 Set	Foaming Density Range:	8~70kg/Cubicmeter
Fire-Retardard Tank:	1 Ton * 1 Set	Match With Block Cutter:	1 Set
TDI Tank:	4 Ton * 1 Set	Total Motor Power:	Approx 125kw
MC Tank:	1 Ton * 1 Set	Air Compressor:	Match with 7.5KW(10HP) * 1 Set
Silicone+Water Tanks:	50L * 2 Sets	Machine N.W.:	Approx 25 Ton
T-9 + Amine + Color + (A.B.C)Tanks:	50L * 5 Sets	Floor Space Required:	L45m*W5m*H4.5m