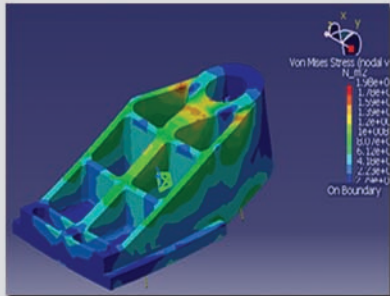


Discover the World of Professional Extrusion

Monofilament Extrusion Line SH-MF55N200



Shouman is one of the leading providers of blown film machinery and complete plastic processing lines. With 25 years of experience, the company has gathered invaluable knowledge in the field of plastic processing. Our major strength in blown film industry is our capability to provide customers with complete solutions, starting from complete packaging systems, and ending up with green house film and agrifilm lines. Our design and manufacturing technologies are streamlined to enhance reliability, cost effectiveness, and productivity.



3D Computer Aided Design enhances reliability and robustness.

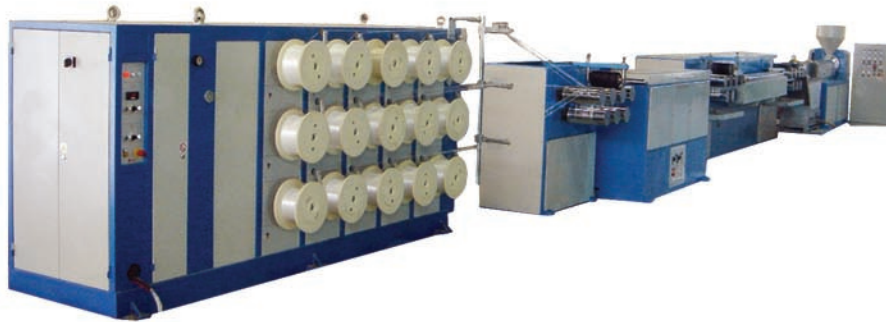


Optimized die design ensures uniform flow distribution.

Global Presence

Global operation requires global thinking, different markets need different strategies. Selling machinery around the world while keeping customers satisfied takes a lot of organization and clear vision. Listening to our customers and understanding their needs are our key tools for boosting our global presence. Throughout the past 25 years our machinery have reached more than 24 countries in Africa, Asia, and Europe.



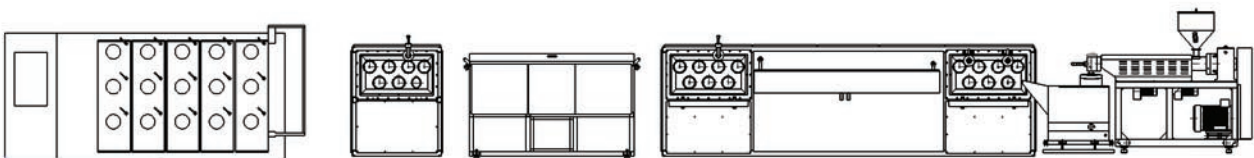


Description

Monofilament extrusion line with screw diameter 55 mm designed to process HD Polyethylene (HDPE) and Polypropylene (PP).

Applications

- Ropes
- Agricultural nets
- Horticultural nets
- Window meshes
- Brushes
- Brooms
- Fencing
- Various industrial applications



Extruder

Designed to provide excellent homogeneity of melt at low and safe extrusion temperature.

Control Panel

The line comprises a main control panel for monitoring and controlling all extrusion parameters. As for the downstream units, a distributed control system facilitates a quick and easy operator intervention.

International standards and well known electronic components are used to ensure a reliable and trouble-free operation.



Stretching Unit

Comprising two draw stands, each one is equipped with an individual drive system in which the speed is steplessly adjustable to enable the production of a wide range of monofilament. The hot water stretching bath utilizes a temperature control system to ensure a stable operating temperature.

Annealing Oven

The oven is equipped with cartridge-type heating elements and an air-circulating system along with complete insulation barriers.

The combination of all the abovementioned elements ensures a consistent temperature distribution for an optimized stretching performance.

Winding System

Shouman winders utilize a torque control system to control the tension of the products and winding of synthetic monofilament onto flanged bobbins.

The winders are designed in sturdy construction to enable performing different winding jobs at high speed and with reliable performance.

Technical Specifications

Product	Material to be used	HDPE - PP
	Filament diameter	0.2 - 1.0 mm
Extruder	Extrusion capacity	60 kg/hr
	Screw	55 mm, L/D = 30
	No. of heating zones	3 point controller
	Screw speed	120 rpm
	Total installed heating capacity	26.75 kW
	Motor	18.5 kW variable speed (Siemens)
	Ac drive	380 V/3/50 Siemens
Die	Finish of melt channel	Tool steel polished
	Installed heating capacity	9.2 kW
	No. of holes	120 - 200
Quenching Bath	Capacity	230 Litre
Draw stand (A)	Motor	3 hp DC motor variable speed
	Drawing speed	Max 25 m/min
Hot water stretching unit	Heating capacity	16 kW
	Thermo controller zones	2
Draw stand (B)	Motor	3 hp DC motor variable speed
	Drawing speed	Max 50 m/min
Annealing oven	No. of heating elements	8
	Total heating capacity	16 kW
	Air blowers	2 X 0.2 kW
Draw stand (C)	Motor	3 hp DC motor variable speed
	Drawing speed	Max. 50 m/min
Winding system	Winding shafts	15
	Motor	0.5 hp torque motor
	Winding speed	Up to 120 m/min



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