

Mono Yarn extruder machine



Constituent part	Quantity
SY-80 extruder	1 set
Die mould	1 set
Cooling water tank	1 set
First traction machine	1 set
Hot water tank	1 set
Second stretching device	1 set
Waste silk winding machine	1 set
Winding machine-280	1 set
Electric cabinet	1 set
Charging machine	1 set
Mixer machine	1 set

Detailed specification

1.SY-80 extruder

Parts	Main items	Model	Explanation
Screw and barrel	Screw diameter	Φ80mm	Material:38CrMo AlNitriding processing
	Screw length/diameter (L/D)	28: 1	
	Screw number	1	
	Barrel heating power	18KW	
	Heating type	Infrared ray energy-saving heater	
	Screw length	2240mm	
	Head power	6KW	
	Nitriding depth	0.50-0.70mm	
	Nitriding rigidity HV	940	
	Surface roughness (mm)	Ra0.8-Ra1.6	
	Screw speed	30-60r/min	
reduction drive	146 type hard teeth surface gear box	Gear material is special alloy steel	Plastic machinery special used
Main motor	Power	18.5KW	Frequency control
	Total power	≈50KW	

Detailed specification

Die mould

Mould type	Spinneret plate material is stainless steel
Amount	1 pcs 204holes

Cooling tank

Size	1000×1000×500mm
Material	stainless steel

First traction machine

Rubber roller amount	5 pcs;Size: ϕ 270mm×500mm
Stretching speed	10-35m/min
Press roller amount	1 pcs; Size: ϕ 164mm×500mm
Driving motor	1.5KW motor with frequency converter

Hot water tank

Material	stainless steel
Size	3000mm×500mm
Heating power	16KW
Temperature	90-100°C

Second stretching device

Steel roller amount	7 pcs ; Size: ϕ 270mm×500mm
Stretching speed	40-150 m/min Hard Chrome Plating
Press roller amount	1 pcs ;Size: ϕ 164mm×500mm
Driving motor	5.5kw motor with frequency converter

Waste silk winding machine

Power	8N.M
Automatic vent line	

Detailed specification

Winding machine-186

Winding type	single winding -186 pcs
Spindle amount	280 pcs
Power	0.5N.M

Electric cabinet

Frequency converter brand	FULING
Electrical appliances brand	Chint
Power	3-phases 380V 50Hz

Technology parameters

Output	75—80kg/h
Installed dimension	23×3×2m
Weight about	6T
Electricity consumption	30KW/h



*This step for producing PE or PP **Mono yarn**, one machine production per day can provide 3 netting machine material.