

PS20 Twin Screw Laboratory Granulation Line

Description

This pelletizing line is used for lab pelletizing, adopt special screw structure, can be pelletized with color masterbatch.

This line is mainly applied to the material color, new product development and research, technology research, advanced teaching experiment, masterbatch testing and etc..



—. Using Condition

Electric resource	380V, 3PHASE, 50HZ
Plastic raw materials	By customer
Srip number	3
Capacity	1-5kg/H
Total power	10kw
Weight	1500kg
Dimension	3900×800×1500mm(length×width×height)

二. Technical Parameters

1、 PS20 Twin screw extruder		1 SET	
2、 Mould	1 SET	3、 Water tank	1 SET
4、 Dryer	1 SET	5、 Pelletizer	1 SET

≡. Main Parts Specification

1、 PS20 Twin screw extruder		
Barrel screw diameter	Φ20mm	
Screw number	2	
Screw speed)	50-600rpm	
Screw L/D	44: 1	
Screw structure	mixing +air connection	
Barrel screw material	High speed tool steel	
Barrel heating way	Electric heating	
Motor	Converter motor	
Motor power	4kw	
Speed adjusting	Frequency control	
Feeding system	Single screw metering feeder	
Feeder motor power	370W	
Speed control	Frequency control	
Cooling water	Soft water	
Water pump power	550W	
2、 Mould	Material	45# steel
	Strip number	3
3、 Water tank	Material	SUS
	Length	1000mm
	Roller	Movable
4、 Dryer	Power	550W
5、 Pelletizer	Power	0.75kw
	Max Output	30kg/h
6、 Electric control system		
Control system	Frequency control	
Temperature controller	OMRON	
Contactor	SIEMENS	
Tachograph	QUANSHENG	
7、 Safty protection		
The control box has the power light,the stop switch,the emergency stop button		
Marked: all the dangerous and running place are marked		