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MICRO POWDER TECH



LABORATORY SCALE POWDER COATING TWIN SCREW MPT-30Lab EXTRUDER

A unit for the off-line production of small sample. Sample which can be produced at rate of upto 5 - 6 Kg./Hr. need only be a few hundred grams and are typically used for color matching, customer evaluation, production control and research. The equipment finds application in development of new

formulations and at raw material suppliers for the quality control of resins, pigments and additives. **MPT-30Lab** Twin Screw Extruder constructed of high wear resistance steel and capable of produce upto 6 -8 Kg./Hr. (Max.) and Min. 0.400 Kg. Sample . It has a clam shell opening Barrel and easy to clean. The screw is set variable speed . The barrel is heated by electric heaters and the temperature are digitally auto controlled.

Product specifications are subject to change without prior notice

Technical Specification

Screw Dia	L / D	Main Power	Heating Power	Screw RPM	Output
30 mm	15 : 1	3.75 KW	1.5 KW	0-400	Min.0.400 Max. 5-6 Kg./hr.

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TECHNICAL DATA

Twin Screw Extruder LAB MPT-30Lab		
Product/Model		Twin Screw Extruder with Chill Roll MPT-30Lab
Capacity	Kg / h	0.400 Kg Min.- 5-6 Kg. Max
L / D		15:1
Screw dia	mm	30
Screw speed	RPM	0-400
Main power	KW	3.75 KW
Drive Type		AC Frequency Drive
Heating power	KW	1.5 KW
WITHOUT FEEDER MANUALY FEEDING		
No of heating/cooling zones		3 zone
Heating Type		Cartridge heaters
Screw shaft		Hexagonal section hard chrome
Screw elements		Feed screw, paddles intermeshing
Barrel		Split type opening, Segmented liner insert.
Gear box		High efficiency
CHW flow rate	Lph	800 Ltrs. / Hr.
CHILL ROLLS		
S.S. Chill Roll 2 Nos.	Size	100 x 200 mm (2 Nos.)
Controls & Instrumentation		
PID Control		PID Controlled 2 Nos.
Speed		AC frequency drive
Temperature		PID Digital temp.
Display provided in panel	Screw RPM	Digital Screw RPM Meter
	Input voltage	415 Volt
	Current	AMP. Digital Meter
	Power	3Phase indicator, Volt meter
Protections (Electrical and Machine interlocks)		
	Drive temp.	Drive internal protection
	Motor load	Drive internal protection
	Under voltage	SPP
	Earth fault	SPP
	Mains supervision	MCB
	Phase supervision	Digital volt meter, Phase indicator
Space requirement		
Extruder	MM	L-1200 X H-1300 X W-500
Assembly weight	Kgs	App. 450 Kg

Free Spare :-

1. One Screw Set.
2. Heater 10 Nos.