

MICRO POWDER TECH

Company Profile

MICRO POWDER TECH is a firm established by **S.C.Jain** having 34 years of experience in manufacturing of Coatings.

Our range of machinery is essentially small scale and low cost compared with all other major suppliers & a unique package for the manufactures entering Powder Coating Production.

A range of machinery designed by ourselves **Twin Screw Extruder MPT-30 Lab, MPT-40PC, MPT-45,MPT-55 and Air Classifying Mill (Grinding Mill)** with low power consumption to produce quality Powder Coating Paints & incorporating design features for easy clean down & maintenance with a Technical Knowhow. This together with a technology package tailored to suit the requirements of the small medium size entrants into the Powder Coating Industry.

We have laboratory with most modern equipment for R & D. New formulation and testing facilities are provided to customers. Whether its small scale rapid response production or large scale bulk powder manufacturer. MICRO POWDER TECH has experience to supply an efficient system to match customers requirements. We can offer you the right equipment,which is up to date, reasonable, simple and at extremely competitive price.

We export to **Japan, Bangla Desh, Russia,Ukraine & Europe** which are in production with successful quality compatible.

With guaranteed performance to match the international Standard quality of Powder Coating Production Package :

- # A Large Production Package (300 – 400 Kg./Hr.)
- # A Medium Production Package (160 – 200 Kg./Hr.)
- # A Small-Medium Production Package (80 – 120 Kg./Hr.)
- # A Lab-Small Production Powder Coating Plant (Min. 0.400 Kg. Max. 40 – 50 Kg./Hr.)
- # A Lab Model (Min. 0.400 Kg. Max. 8-10 Kg./Hr.)

Each Package comprises : * Premixer * Twin Screw Extruder * Chill Roll Belt * ACM MPT-Grinding Mill * Sieving Machine with Technical Knowhow.

In India more then 75% of the total Powder Coating Production Plants are in chain of our installations & are running successfully.

We are very much Sincere, Honest,Hardworking and Innovating to solve problems of our clients. We maintain delivery schedule. We give guarantee for the performance of our products.

We are manufacturing product, what small- scale industry cannot manufacture and big manufacturer cannot provide. We manufacture only tailor made and difficult products with performance guarantee.

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Powder Coating Production Video : <http://youtu.be/ayap0gGlmkY>

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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 6 - 8 Kg./Hr. need only be a few hundred grams and are typically used for colour 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.

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.0.250 Max. 6-8 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.- 10 Kg./Hr. 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
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 3 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	L x W x H, in mm	
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.
3. Rotary Union 1 No.