

# MICRO POWDER TECH

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## Company Profile

**MICRO POWDER TECH** is a firm established by **S.C.Jain** having 41 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, 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 & USA** 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	( 260 – 320 Kg./Hr.)
# A Medium Production Package	( 160 – 200 Kg./Hr.)
# A Lab-Small Production Package	( Min. 0.400 Kg. Max. 30 – 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 103 of the 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.

## MICRO POWDER TECH

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# Powder Coating TSE MPT-30PC Production 30 - 50 Kg./ Hr.

Twin Screw Extruder MPT 30PC with Chill Roll

## **MICRO POWDER TECH**

MPT 30PC LAB CUM PRODUCTION  
TWIN SCREW EXTRUDER WITH CHILL ROLL



# MICRO POWDER TECH

Powder Coating Twin Screw Extruder MPT-30PC Production 30 - 50 Kg. / Hr.

## TECHNICAL DATA

<b>Twin Screw Extruder MPT-30PC</b>		
Product/Model		<b>Twin Screw Extruder MPT-30 PC</b>
Capacity	<b>Kg / h</b>	<b>30 - 50</b>
Extruder	Type	<b>Twin Screw</b>
Model		<b>MPT-40PC</b>
L / D		<b>15:1</b>
Screw dia	<b>mm</b>	<b>30</b>
Screw speed	<b>rpm</b>	<b>0-500</b>
Main power	Kw	5.5
Drive type		AC frequency drive
Make		Schneider
Heating power	Kw	<b>2.5</b>
Vol. feeder with hopper		
Hopper volume	Liter	30 Ltrs.
Power	Kw	0.37 KW
Capacity	Kg / h	20-100 Kg./h
No. of heating/cooling zones		3 zone
<b>Heating Type</b>		<b>Cartridge Heaters</b>
Screw shaft		Hexagonal section hard chrome
Screw elements		Feed screw, Paddle intermeshing
Barrel		Split type opening, Segmented liner insert
Vol. screw feeder		Speed variable screw feeder
Gear box		High efficiency, forced lubrication with cooling arrangement
Control voltage	V	220 Volt
CHW flow rate	Lph	1400 Ltrs./h
Temperature	°C	10 to 12 °C

<b>Controls &amp; Instrumentation</b>		
PID Control		PID Controlled 2 Nos.
Speed		AC Frequency drive
Temperature		PID Digital Temp.
<b>Display provided in panel</b>		
	Motor speed	Digital Screw RPM Meter
	Output voltage	415 Volt
	Frequency	50 Hz
	Current	AMP Digital Meter
	Power	3 Phase Digital indicator, Volt meter
	Drive temp.	Frequency drive internal feature
	Hour counter	Digital / Analogue
<b>Protections (Electrical and Machine Interlocks)</b>		
	Drive temp.	Drive internal protection
	Motor load	Drive internal protection
	Under voltage	SPP
	Earth fault	SPP
	Mains supervision	MCB
	Phase supervision	Digital Volt meter, 3Phase indicator
<b>Chill Roll</b>		
<b>Model</b>		<b>CR TS-30</b>
MOC		S.S. Chill Roller
Main drive	Kw	0.37 KW
Flaker power	Kw	N / A
CHW flow rate	Lph	20 liter / min.
Temperature	°C	10 to 12 °C
Chill Roller melt squeeze	Size mm	100 X 400, 1Nos.
Chill Roll Cool		250 X 400, 1 No.
<b>Space requirement</b>	L x W x H, in mm	
Extruder	MM	L-750 X H-1700 X W-850
Flaking system	MM	L-500 X W-500 X H-450
<b>Assembly weight</b>	Kgs or tons	
Extruder	Kgs	App. 700 Kg.
Flaking system	Kgs	App. 250 Kg.

**Free Spare Parts :-**

1. One Pair of Screw Set.
2. Cartrage Heater One set ( 10 Nos.

