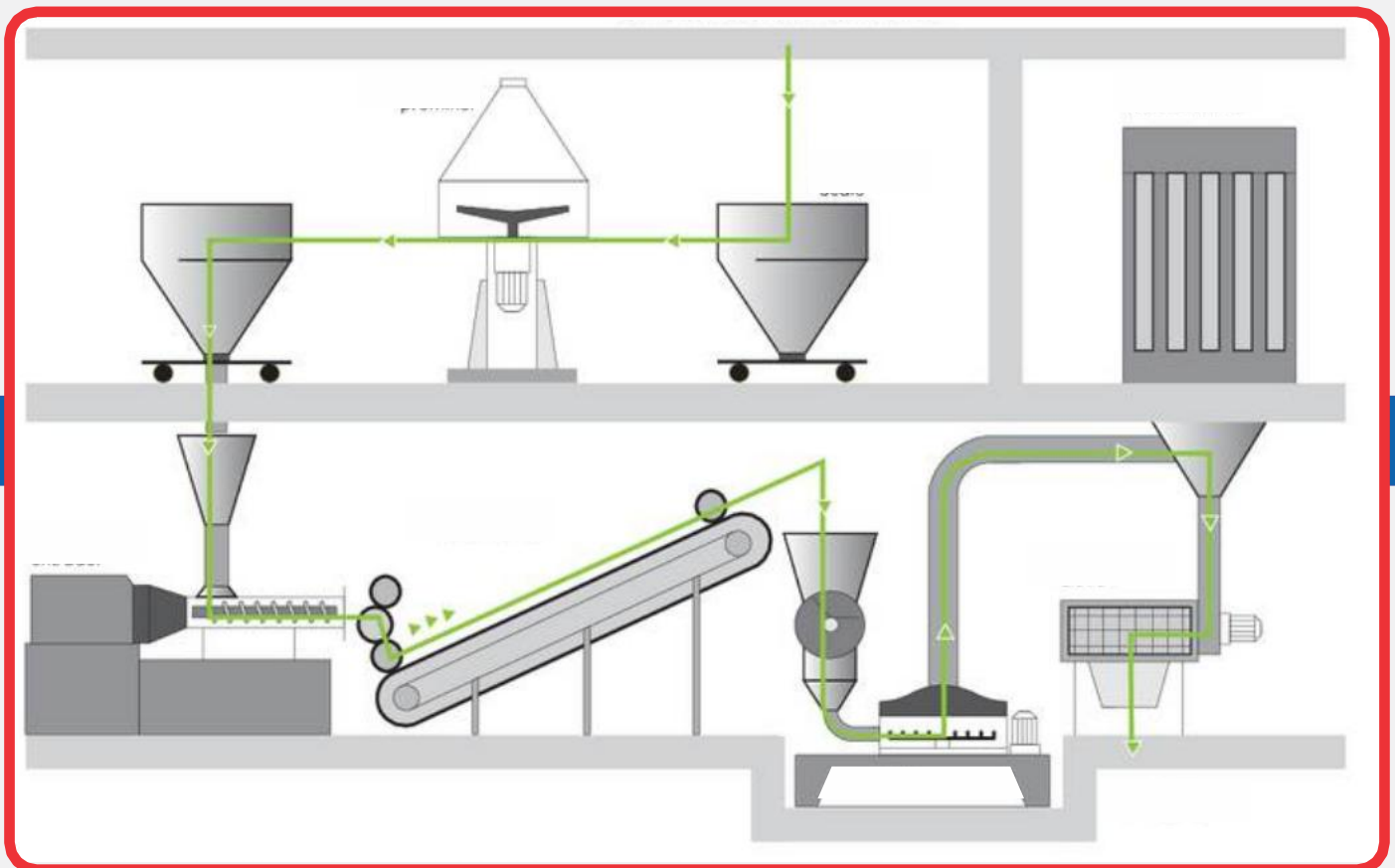




MICRO POWDER TECH

POWDER COATING PRODUCTION EQUIPMENT



Manufacturer & Exporter

Twin Screw Extruder, Chill Roll With Crusher, Air Classifying Mill, High Speed Pre-mixer, Sieving Machine

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POWDER COATING PROCESS TECHNOLOGIES FOR TOMORROW

POWDER COATING PRODUCTION EQUIPMENT



Pre - Mixer High Speed



Twin Screw Extruder



Twin Screw Extruder With Chill Roll Belt



Lab Twin Screw Extruder



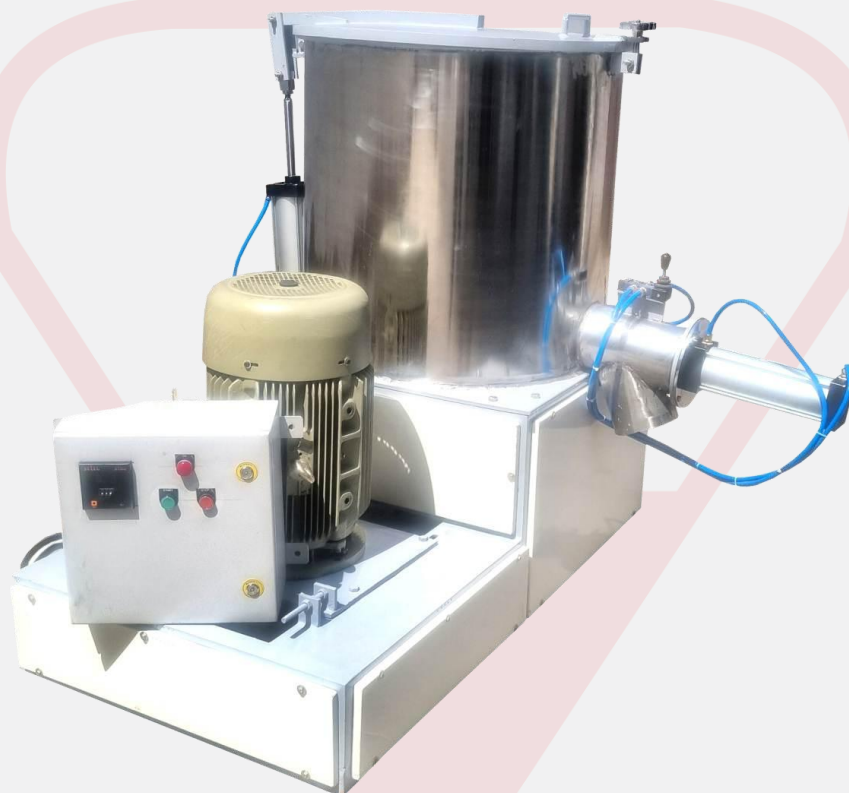
Acm Grinding Mill



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POWDER COATING PROCESS TECHNOLOGIES FOR TOMORROW

PRE-MIXER HIGH SPEED BATCH MIXER



High Speed Pre-Mixer suitable for mixing powder and solid chemical raw materials. The raw material is to be mixed homogeneously and efficiently by stirring blade.

Features:

- Stainless Steel vessel & Blade
- Mixing time automatically controlled by timer
- Discharge of Premix material by pneumatic cylinder
- Low temperature, High efficiency, easy colour changing & maintenance

Main Technical Parameters

Model	Power kW	Output Kg/Cycle
SS30	2.25	20-30
SS 50	3.75	40-50
SS 100	7.5	80-100
SS 200	15	180-200



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POWDER COATING PROCESS TECHNOLOGIES FOR TOMORROW

TWIN SCREW EXTRUDER OF SERIES MPT



MPT Series Twin Screw Extruder, with high capacity, is an ideal equipment for extruding various chemical materials. Raw materials are perfectly dispersed and distributed by precise kneading- elements in high speed. Twin Screw Extruder is a very important equipment for powder coatings process.

Features:

- Homogeneous distributed and dispersive mixing, Strong self-cleaning ability and no solidified particles.
- Screw Elements on screw shafts can be combined optimally according to technical requirements of powder coating production
- Screw Elements, Liners and Shafts manufactured with High-Speed Tool Steel
- Homogeneous and accurate feeding system with Speed Variable Screw
- Gearbox equipped with a separate lubrication and cooling system
- Barrels are designed as openable two half parts helps in cleaning & easy colour change
- Barrel is segmented liner type
- Economical production cost due to low power requirement and high output

Main Technical Parameters

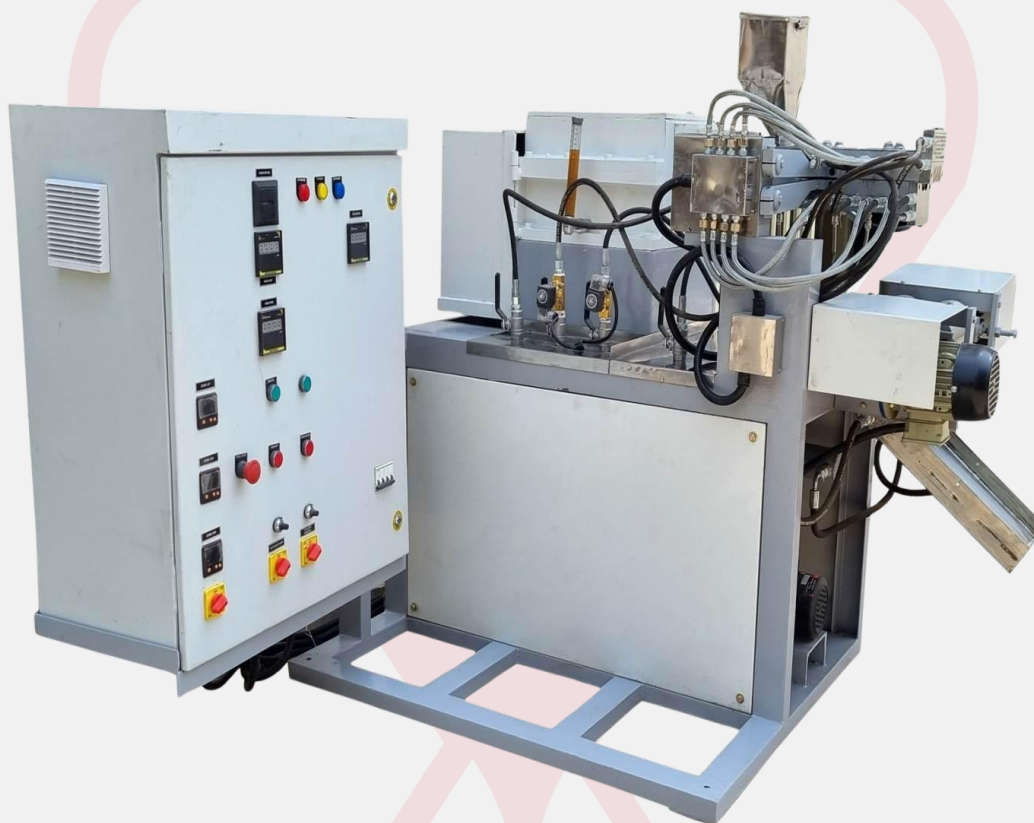
Model	Screw Dia mm	L /D	Power kW	Heating Power	Screw Speed	Output Kg/Hr
MPT-30PC	30	15: 1	6.75	2.0	0-400	30-40
MPT-45PC	45	17.5: 1	16.5	3.0	0-450	140-180
MPT-60PC	60	18: 1	24.7	5.0	0-450	300-350
MPT-65PC	65	17.5: 1	39.7	6.0	0-450	400-500

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POWDER COATING PROCESS TECHNOLOGIES FOR TOMORROW

LAB TWIN SCREW EXTRUDER



MPT Series Lab Twin Screw Extruder, with novel design & compact structure. A unit for the off-line production of small samples for Customer evaluation, production control & research and colour matching. Its kneading effect is comparable with machines of large production scales. The equipment finds application in development of new formulations and at raw material suppliers for the quality control of resins, pigments and additives.

Main Technical Parameters

Model	Screw Dia mm	L /D	Power kW	Heating Power	Screw Speed	Output Kg/Hr
MPT-30	30	15: 1	4.9	2.0	0-400	Min – 0.4 Max 6-8

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POWDER COATING PROCESS TECHNOLOGIES FOR TOMORROW

GRINDING SYTEM ACM SERIES MPT



MPT Series Air Classifying Mill is composed of volumetric screw feeder, high-speed air classifying mill, cyclone, butterfly valve and fine dust collector cum blower. It has the functions of high-speed crushing, airflow classification and ultrafine powder classification. Best particle size distribution can be achieved with free adjustable particle size 10 to 100 μm . This mill is particularly useful for application that requires frequent product change. It is the best grinding system for heat sensitive products such as Powder Coatings, Pigments, Pharmaceuticals and many more.

Features:

- Easy to clean & maintain
- Product recovery < 98 %
- Particle Size distribution is concentrated, stable and adjustable
- Additive and Ground feeder can be equipped
- Low raised Temperature in mill, low temperature of powder
- Low power consumption, high output
- Dust Free Operation, Smooth Grinding
- Short changeover time between colour change



Main Technical Parameters

Model	Output Kg/Hr	Electrical Load kW	Classified Speed RPM	Mill Speed RPM	Air Flow CFM
MPT-ACM 10	140- 180	13.5	0-2800	7000	750
MPT-ACM 20	240-280	28.5	0-2800	5600	1450

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POWDER COATING PROCESS TECHNOLOGIES FOR TOMORROW

CRTS SERIES CHILL ROLL UNIT WITH CRUSHER

CRTS series of Chill roll is composed of stainless-steel colling rollers and crusher. The hot melt materials from extruder are squeezed to thin sheet with thickness 1-2 mm by cooling rollers, and being cooled down to normal temperature, then being crushed into chips and discharged.

Features:

- High quality PU belt, able to work under dynamic tension and variable temperature
- Adjustable thickness of chips and speed of rollers, homogeneous chip size
- Compact Unit movable on wheels
- High productivity, low power requirement

Main Technical Parameters

Model	Output Kg/Hr	Electric Load kW	Belt Width MM
CRTS 30	40-50	1.125	380
CRTS 45	180-200	2.625	670
CRTS 60	300-400	3.75	920
CRTS 65	450-550	6	1200



SIFTER (Sieving Machine)

Sifter is used for sieving of grinded powder after discharge from air classifying mill, It is fitted with separate outlet for coarser particles.

Features:

- Contact parts are Stainless Steel, very easy to clean
- Assemble in line with ACM Grinding mill

Main Technical Parameters

Model	Output Kg/Hr	Electric Load kW
SIFTER 20	100-120	0.375
SIFTER 30	150-200	0.75
SIFTER 36	250-300	1.50



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COMPANY PROFILE



Established in the year 1997, by Mr. S.C. Jain having experience, since 1980, in the production of Paints & Coatings. **Micro Powder Tech** is among the noted manufacturer and exporter of a precision engineered range of Powder Coating Processing equipment. With the industry leading technology and decades of Practical experience in powder coating, Micro Powder Tech has developed hundreds of powder coating processing equipment to deliver complete equipment solutions for Powder Coating. With the principle of putting quality, reputation and customer first, from commissioning, formulation consultation to 24/7 after sales service, we provide a complete service for your powder coating needs. Our machines are working to get the best coating for our customers to create more with less, we Endeavor to provide you the best powder coating solutions to succeed in the market. We Strives to win Customers with quality, win reputation with service, with that, we have become one of the most trusted brands in powder coatings.

In India, there are more than 70% of total powder coating plants that are in chain of our installations. And these plants are running successfully. We are also exporting our Powder Coating Plants to different countries such as, USA, Russia, Japan, Saudi Arab, Ukraine, Iran, Bangladesh. With guaranteed high performance to match the global quality standards of Powder Coatings, we offer the following Production Package:

# Big Production Package	(400 -500 Kg. /Hr.)
# Large Production Package	(300- 350 Kg. /Hr.)
# Medium Production Package	(140- 180 Kg. /Hr.)
# Lab cum ProductionTSE-30	(Min. 0.400 Kg. -Max. 30-40 Kg. /Hr.)
# Lab Model Machine	(Min. 0.400 Kg. -Max. 6-8 Kg.)

We give first preference to customer's satisfaction. We put our best efforts to serve our customers in an effective manner. We are very much honest, hardworking, sincere and innovating to solve the problems of our customers. We maintain our delivery schedule. And we also guarantee for the performance and quality of our products.

POWDER COATING PROCESS TECHNOLOGIES FOR TOMORROW



MICRO POWDER TECH

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