



SAIN COATINGS

# PROFILE

SAIN COATINGS PVT. LTD.

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## The infrastructure and technology to use in the various process like :

### a. Pretreatment Process:

Sl No	Process Sequence	Tank Matl	Tank Size in mm (Outer Wall to Wall Dimension)	Internal Lining	Temp °C
1.	Knock Off Degrease	MS-5T	2680 MM (L) X 1400 MM (W) X 1900 MM (H)	-	80
2.	Degrease	MS-5T	2680 MM (L) X 1400 MM (W) X 1900 MM (H)	-	80
3.	Degrease Rinse	MS-5T	2680 MM (L) X 1400 MM (W) X 1700 MM (H)	-	RT
4.	Derust	MS-5T	2680 MM (L) X 1400 MM (W) X 1700 MM (H)	FRP	RT
5.	Derust Rinse 1	MS-5T	2680 MM (L) X 1400 MM (W) X 1700 MM (H)	FRP	RT
6.	Derust Rinse 2	MS-5T	2680 MM (L) X 1400 MM (W) X 1700 MM (H)	FRP	RT
7.	Phosphate	MS-5T	2680 MM (L) X 1400 MM (W) X 1900 MM (H)	FRP	50
8.	Water Rinse	MS-5T	2600 MM (L) X 1700 MM (W) X 1500 MM (H)	FRP	RT
9.	DM Rinse	MS-5T	2600 MM (L) X 1700 MM (W) X 1500 MM (H)	FRP	RT
10.	Fresh DM Rinse	MS-5T	2600 MM (L) X 1700 MM (W) X 1500 MM (H)	FRP	RT
11.	Water Drying Oven	GI	2800 mm (L) x 2400 mm (W) x 1900 mm (H)	Insulation	100

The heating of the pretreatment chemical bath is by indirect method and it is by hot water generator. The piping and coil inside the bath is of SS 304.

Environment friendly tri-cationic Chemicals from Chemittal-rai, Pretreatment process control by PLC and transporter.

The material handling of the pretreatment process is by PLC controlled Transporter, where in specified dipping time is maintained and measured. This ensures the productivity and quality.



## b. Powder coating process:

Powder coating booth is from NORDSON and it is having SS multi-cyclones and cartridge after filter system. This booth ensures no outlet of powder particles to the atmosphere. The booth dimension suits for a conveyor speed of 1.0 to 1.2 m/min and a component dimension of 2300 mm L x 1000 mm W x 1200 mm H. The coating is by automatic reciprocators and the entire reciprocators and guns are imported from GEMA.



### c. Powder curing:

Curing is done with German Designed Elevated A-Zone oven. This type of oven gives excellent metal temperature graph and ensures minimum fuel consumption.



### d. Material Handling:

The material handling is through overhead powered conveyor with variable speed. The overall material handling is mechanized to minimize the man intervention.



# In House Lab Facility

Analytical Lab.

P.H. Meter

Temperature Control Online.

Conductivity Meter.

Coating Thickness Guage (Ferrous & Non Ferrous)

Salt Spray Test.

Bend Test

Scratch Test

Impact Test

## In House DM Water Plant

Having capacity of  
3000 ltr per hour.

After 30,000 ltr  
regeneration.





## Hot Water Generator

Capacity : 3 Lakh Kilo Calories  
Temperature : 95° consistency



## Powder Coating Operation



## SPACIOUS PLANT & BUILDING



## Air Dryer

## Our Strengths Lie

World class powder coating shop with very reputed equipments like GEMA guns and reciprocators, Nordson Powder coating booth, German Designed Elevated A-Zone oven, Environment friendly tri-cationic Chemicals from Chemittal-rai, Pretreatment process control by PLC and transporter, the overall material handling is mechanized to minimize the man intervention. With the above, we are sure of very accurate control of quality and productivity.

## QUALITY POLICY

“We are committed to achieve total customer satisfaction by giving excellent surface powder coating to our customers on time and meeting the requirements of Quality Management Systems and continually improving it’s effectiveness.

Consistency of powder coating surface finishing.

This is achieved through total involvement of our dedicated work force from all levels.”

## Quality Objectives

Achieve total acceptance of our surface coating by customers.

Deliver the products on time to the customers.

Achieve continual improvement in quality and productivity

Providing training and motivating employees.

Maintaining clean house keeping and safety.

## Core Strength

TEAM OF YOUNG & DYNAMIC POWDER COATERS.

OPENNESS FOR LEARNING AND IMPLEMENTATION

100% ON TIME DELIVERY BY LEAN SERVICE

LESS LEAD TIME FOR COLOR CHANGING IN POWDER COATING BOOTH.

PRE TREATMENT PROCESS WITH TWO TRANSPORTER.

CONTINUAL IMPROVEMENT.



## Services Offered :

Providing anti corrosion protective (powder paint) coating on Steel and aluminum parts / components. Application of this service can be served to the following kind of business:

Manufacturers of: Home appliances like micro oven, refrigerator, coolers, And Washing machines etc

Office furniture, bicycle, automotive parts like truck primers, bumpers, wheels, etc

Electrical control units like out door control panel enclosures, distribution panels, HT panels etc

Out door furniture, windows, aluminum partitions, aluminum paneling etc

## Planning :

First priority: Electrical control cabinets

Second priority: Home appliances

Third Priority: Aluminum architectural items

## Adjectives to describe the quality of services

STATE OF THE ART WORLD CLASS POWDER COATING FACILITY WITH COMPLETELY AUTOMATIC AND PLC CONTROLLED PROCESS

## Why should a company / business choose us :

No, job coater is having a very high-fi system like us. In-fact, no job coaters will have a facility of automated process.

The USP with us is: Completely automated powder coating facility and place to do further assembly work to minimize the transportation problems

## How we are you different from others

We are different in the following ways.

- a. The four directors are having knowledge over four different segments like production, marketing, technical and commercial.
- b. We have very reputed make equipments like GEMA guns and reciprocators, Nordson Booth etc.
- c. We are having completely automated process where in dependency on MAN POWER is less.
- d. 16,000 SFT built area and 2500 SFT utility area available.
- e. Excellent metal temperature graph where in 2 deg centigrade difference between air and metal inside the oven
- f. Environmental friendly chemicals and powder coating process.