

# JS INDUSTRIES

153-A, 8 & 9 INDIAN CORPORATION  
MANKOLI NAKA, DAPODA  
THANE BHIWANDI ROAD. Thane.

# INTRODUCTION

We have great pleasure in introducing ourselves as a **Powder Coating provider for sheet metal components.**

**JS INDUSTRIES** is a state-of-art, powder coating solution provider, with a processing unit located at 153-A, INDIAN CORPORATION, MANKOLI NAKA THANE-BHIWANDI ROAD. THANE.

**JS INDUSTRIES:** established by promoters with wide experience in providing powder coating solution to variety sheet components and follows the process to achieve world-class quality and meet globally accepted coating standards.

**JS INDUSTRIES:** has an excellent powder coating set up in which we have PLC operated pretreatment line (Zinc Phosphating) and a conveyorised powder coating booth and oven for curing..

**JS INDUSTRIES** : has incorporated fine quality of infrastructure for

- ❖ PLC operated Pre-Treatment Process,
- ❖ Laboratory to maintain accurately Pre-Treatment Process Parameters,
- ❖ Powder Coating and Curing Process and
- ❖ Inspection of finished material with impact test ,bend test, DFT

Emphasizing high on **QMS**, **JS INDUSTRIES** has, well experienced team, to manage plant and achieve best production, meeting excellent quality and following in-time delivery, for best of customer satisfaction.

We are enclosing brief details of our plant.

We have enough spare capacity and space to invite more business.

We hope you will find this detail of your interest and look forward to develop business relation with you in near Future.

We invite you to visit our plant and we will have pleasure in demonstrating our capability and capacity and discuss about your requirement.

# PRE-TREATMENT PROCESS SEQUENCE

STAGE	DESCRIPTION	SPECIFICATION	REMARK
Sequence	Stage wise product	Concentration	Temp°c
Tank-1	De <sup>greas</sup> ing (SYNERKLIN 113/TI)	Conc : 5%	55 - 65
Tank-2	Water Rinse	1 Min	RT
Tank-3	Water Rinse	1 Min	RT
Tank-4	Derusting (SYNERRUST 2055)	Conc : 18%	RT
Tank-5	Water Rinse	1 Min	RT
Tank-6	Water Rinse	1 Min	RT
Tank-7	Surface Activation (SYNERACT ZN/D)	Conc : 0.1%	RT
Tank-8	Zinc Phosphate (SYNECOAT 4324)	Conc: 3%	AMBIENT
Tank-9	Water Rinse	1 Min	RT
Tank -10	Passivation (SYNERPASS 521/TI)	Conc:0 . 1%	55 -65
Tank-11	Hot Air Dryer	10 Min	110

# PRE-TREATMENT PROCESS



**Chemical source: SYNERGY SURFACE TECHNOLOGIES**

**TANK SIZES:**

**Transporter: Fully Automatic (PLC) Systems**

**Loading & Unloading: Both Side**

**Heating Tank : 3000 (L) × 900+500 (W) ×1500mm (HT)**

**Hot Air Dryer: 1700 (L) ×900(W) ×1500mm (HT)**

**Cold Tank : 3000 (L) ×900 (W) ×1500mm (HT)**

**Basket Size : 1300mm(L)×700mm(W)×1300mm(H)**

**No.of. Basket Prod. : 3 baskets per hour**

**Air Agitation: Continuous Overflows**

**Air Dryer: For moisture & Oil-free air**

**SPECIAL TECHNIQUE PLANNING FOR ALUMINIUM METAL**

# PRE - TREATMENT PLANT TECHNICAL DETAILS:

DESCRIPTION	SPECIFICATIONS
OVERALL DIMENSION OF SYSTEM	25 x 4.5 x 4.5 (L x W x H) Mtrs With Structure.
NUMBER OF TANKS	11 Tanks.
TANK HEIGHT ABOVE GROUND	1600 mm
TANK CAPACITY	3000 Liter. Approx. Each.
TANK AIR AGITATION	Degreasing & all water Rinse Tank ( M.S 34" 0 Pipe )
TANK ACID PROTECTION	F R P lining for Derust & Water Rinse & Passivation tank of 3 mm Thk.
PAINTING OF TANK (OUTSIDE)	Epoxy Liquid paint
WEIGHT PER BASKET WITH BASKET	40 kgs. Of Product + Basket Weight
CAGE DIMENSION ( OUTSIDE )	2800 x 700 x 1300 x ( L x W x H ) mm approx.
CAPACITY	400 Kg. including basket.
NO. OF BASKET ( PRODUCTION )	3 Baskets per hour
NO.OF BASKET QTY.	S. S. Basket With M. S. Basket Holder (5 Nos.)
TRANSPORTER WAGON	0.5 Ton Capacity ( including Basket Weight )
P. L. C. BASED CONTROL PANEL	(For 11 Tanks + 4 Loading/Unloading Stations)
GAS BURNER	RIELLO's fully automatic Gas Burner Model FS-

# OVERHEAD CONVEYOR SYSTEM

Description	Specification
Type	Monorail
Chain Pitch dimension	300mm
Conveyor Speed	0.5 mtr./min (Variable)
Conveyor length	30 mtr. (approx.)
Point Load Capacity	20 Kg. Per Point





# POWDER CURING OVEN



Description	Specification
Overall dimension	9000 x 2800 x 2800+1400(mm)
Type of heat source	LPG
Max.Temperature of Air	220 <sup>0</sup> c
Oven Door Dimension	2000(Ht)x300(w)mm

# POWDER COATING BOOTH

Description	Specification
Booth door dimension	2000 mm (Ht)x 300(w)mm
Powder spray cum recovery booth	S S body
Electromechanical Reciprocator ( Automatic )	Both side
Powder spray equipment	Mitsuba System

