

AN ISO 9001-2015 COMPANY



COMPREHENSIVE SURFACE FINISHING SOLUTIONS
SINCE 1989



About Us

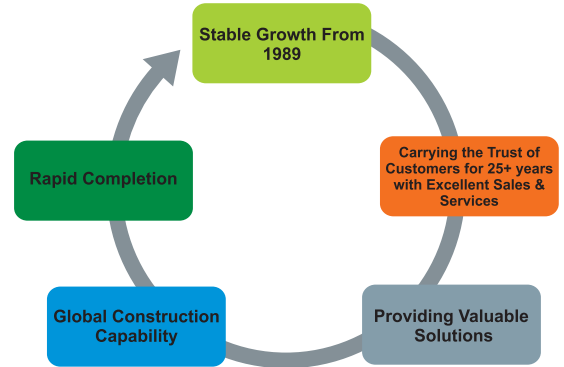
KSW India Private Limited, formerly Krishna Scientific Works established in the Year 1989, with the desire to manufacture Surface Finishing Plant at the time of emerging needs in the surface Finishing requirements, with a Vision to be a “Leader among the World's Best Surface Finishing Technology Providers, offering each of our clients in Customized, Safe and Environment-friendly solution in International Standards on Turn Key Basis”.

From the day, the company has been started the company works with the Mission as “We are committed to provide complete surface finishing solutions with innovative designs, incorporating latest value engineered technology at affordable cost with systematic and on-going customer support to ensure our clients enhanced productivity and profitability”.

Quality policy, as “KSW will supply products and Solutions that will meet the Customer’s Expectations without Exception. We are Committed to identify Opportunities for continuous improvement to our process, Product & People every time”.

At present, we are actively supporting industries in India and abroad through its no of Service Locations for setting up of Surface Finishing plants on turn key basis.

The management comprises a dedicated team of professionals, having experience of morethan 20 years, across the surface coating spectrum. They are ably supported by trained personnel with in-house expertise in Designing, Manufacturing and installation of all aspects of surface Finishing plants. The 135 - member Production and Installation team is fully equipped for offering time-bound solutions to customers.



In addition, the main factory shop floor having 8000 Sq. Mtrs of Space & with a Constructed area of 5000 Sq. Mtrs, has its own modern Machineries and Facility for Production, Testing and Installation of high quality Surface Finishing solutions to our esteemed clients.

Over two and half decades, our growing clientele of satisfied OEMs and their vendor companies has established us as the most trustworthy name, in this field with a title of “Comprehensive Surface Finishing Solutions, Since 1989” In India and Abroad.

TRANSFORMATION OF TECHNOLOGY

KSW looks forward to the future, As a diversification and to achieve the newer technologies in Surface Finishing Solutions. We have tied up with “M/s Jhen da Engineering Co., Ltd., Taiwan” to have Technical Support on new technology and Design.



As a Turnkey Systems Supplier KSW's product range covers most of the Surface Finishing equipments for Metal and Non Metallic Products to its customers for Automotive, Automobile, Machineries, Bi Cycle, Aluminium Extrusions, Furnitures, House Hold Goods & Industrial racking system Manufacturers.

Product Range:

- **PRE-TREATMENT PLANTS**
Dip Type – (Automatic/Manual)
Spray Types
PT Plant Accessories
- **E COAT & AUTOPHORETIC COATING LINES**
- **POWDER COATING PLANTS AND ACCESSORIES**
Conveyorised Powder Coating Plant.
Batch type Powder Coating Plant
- **LIQUID PAINTING PLANT & ACCESSORIES**
Conveyorized Painting plants
Batch Type Painting Plant
Liquid Painting cum Drying Booth
Side Draft Open Booth
Down/Side Draft Pressurized Booth
Wet Type Liquid Paint Booth
- **UV & IR PAINTING LINES**
- **WOOD EFFECT & WATER FILM TRANSFER LINES**
- **MATERIAL HANDLING SYSTEM**
- **CURING OVEN & ACCESSORIES**
Conveyorised Curing Oven
Batch Type Curing Oven
- **ACCESSORIES FOR PAINT SHOP**

Our Group of Companies

- **PULSAR COATINGS EQUIPMENTS PVT. LTD.**
- Manufactures of Powder Coating, Liquid Paint Applicators and Accessories
- **SKY CAR ELEVATORS PVT. LTD.**
- Manufactures of Passenger and Goods lifting Elevators

Pre Treatment

The pre treatment process is mainly a chemical cleaning process to remove any type of oil, grease and rust contamination from surface of the component, which is designed according to the chemical composition of the base material, intensity of contaminants and the capacity of various commercially available chemicals. "KSW" provides you a complete pre treatment system with an option of spray zone or full dip zone.



Spray Pre Treatment Plant



Dip Pre-Treatment



Plant Accessories

- Oil Skimmers
- Hot Water Generators
- Chemical Heating Systems
- Phosphate Sludge Separation Systems
- Chemical Dosing Systems
- Fume Extraction Systems
- Chemical Fume Scrubbers
- Air Agitation, Mixer and Eductor
- Agitation Systems



CED COATING



ADVANTAGES OF E-COATING

Advantages of E-Coating do you know what is e-coating Sometimes, we get confuse between E-coating and electroplating, Electroplating is where metal is applied to metal. Nickel and chrome plating are examples. Electrocoating is a process of immersing metal parts in a fluid bath, where an electric charge draws paint or epoxy particles in the fluid to the surface of the part. Each technique has its own purposes and advantages We are experienced masters of both powder coating and electrocoating. KSW is the one stop solution to all your powder coating needs.



Powder Coating Plants

KSW offers a wide range of conveyerised powder coating plants and accessories. The Conveyerised Plants are recommended where production volume is high. An overhead Chain Conveyor passes through booth and coating is done with Manual / Auto Spray Guns. Conveyor speed is worked out based on production rate required and oven can be straight tunnel type or with loops inside it.



Powder Coating Booth

Cyclone Type Powder Recovery System

KSW's cyclone type recovery booth insures uniform airflow throughout the cross section of the booth. Absence of dead packets ensures easy cleaning and higher powder transfer efficiency.

KSW Provides two types of cyclone recovery booth

- Single cyclone Booth - Above 90% powder recovery efficiency.
- Multi cyclone Booth - Above 98% powder recovery efficiency.

Cartridge Filter Type Powder Recovery System

- With latest technology of designed Cartridge filter, with maximized life and powder recovery.
- More than 98% efficiency.
- Makes color change easy and quick due to absence of dusting.
- Ensures that there is no contamination during color change.
- Occupies lesser shop floor area.



Powder Coating Gun



Reciprocator



Multi Cyclone Coating Booth

Liquid Painting Plants

Liquid Painting is used to give high quality finishing. It is applied on metals, plastic and wooden components. High quality painting is a multilayered process that allows wet- on- wet or bake- on- bake options. A typical line maybe primer coat followed by top coat; and, can be followed by clear/lacquer coat.



TUNNEL BOOTH *(for painting and drying)*



Curing Ovens

Curing ovens are provided to cure powder/paint on specific temperature to get a better finish. These ovens are operated on various sources of heating.

The ovens are of the following type:

- Camel Back Curing Oven
- Ground mounted conveyORIZED oven
- Belt (wiremesh/PVC) ConveyORIZED oven
- Batch type oven with ground mounted trolley & track
- Tray Driers & Pre heating ovens



AUTO VARNISHING COATING OVEN



Oil/gas Fired Batch Type Curing Oven



Batch Type Electrical Oven



Belt Converyorised Curing Oven



UV-IR Oven

KSW offers a wide range of curing ovens with different heating systems and Fuel Sources:

- Electrical Heated.
- HSD fired/ Gas fired with Direct and Indirect Type of Heating System.
- IR Heaters & UV Heaters.

Surface Finishing Plant Accessories

Fresh Air Supply Unit

Fresh air supply unit is provided for positive pressurization of painting/ powder coating booths, so that foreign particles do not settle down on components.

Fresh air supply unit with or without humidification system and cooling systems are provided for better coating on the Liquid painting booths Plenum Chambers with filters. Special enclosures with filters and DIDW fans are provided to increase the capacity of the ASU.



Paint Kitchen Accessories

Paint Kitchen provides complete accessories for transferring paint from containers to Spray Painting Guns.

Stainless steel containers are provided with Pneumatic stirrers to maintain paint viscosity. Paint from containers is fed through pipelines in a controlled circuit of control valves, Pneumatic suction pumps, filters and non return valves.

Types of Spray Guns:

- Pressurized Pneumatic operated spray guns.
- Pump operated Electrostatic charged paint spray guns.



Control Panels

The control panels are very critical in paint shops. The operations, efficiency and safety of the paint shop depends on the control panel design.

KSW provides following types of panels :

- Conventional Type Panel.
- PLC Controlled panel.
- SCADA based Control Panels.



OUR MAJOR CUSTOMERS

 HONDA	<p><u>HONDA CARS INDIA LTD. (GREATER NOIDA)</u> Manual Dry Type Down Draft Liquid Paint Touch up Booth for Passenger Cars.</p>
 TATA INTERNATIONAL LIMITED	<p><u>TATA INTERNATIONAL LIMITED (LUDHIANA & BANGLADESH)</u> Conveyorized Liquid Painting plant with Dip Pre-Treatment (Phosphating) Plant Based on PLC Controlled Transporter System for Bicycle Components.</p>
 ABB	<p><u>ABB INDIA LIMITED (FARIDABAD)</u> Painting Line For Electric Motor</p>
 HINDALCO	<p><u>HINDALCO INDUSTRIES LIMITED (ALUPURAM WORKS, KALAMASSERY)</u> Automatic Conveyorised Powder coating plant with dip Pre- treatment for Aluminium extrusion.</p>
 GREAVES SINCE 1859	<p><u>GREAVES COTTON LIMITED (RANIPET)</u> Manual Conveyorized Liquid Paint Plant for Engine Components.</p>
 KRISHNA	<p><u>KRISHNA MARUTI LIMITED (AHMEDABAD & MANESAR)</u> Conveyorized Liquid Paint Plant & Power Coating Plant for Automotive Components.</p>
 marathon	<p><u>MARATHON ELECTRIC INDIA PRIVATE LIMITED (REGAL) - (FARIDABAD)</u> Conveyorized Spray Pre-Treatment Line for Motor Components.</p>
 JAKSON	<p><u>JAKSON & COMPANY LIMITED (KAROLI, BHIWADI)</u> Automatic Conveyorised powder coating plant with dip Pre- treatment for Jakson generator canopy.</p>
 amber	<p><u>AMBER ENTERPRISES INDIA LIMITED – (DEHRADUN, JHAJJAR, AHMEDNAGAR, KANCHEEPURAM, SRI CITY, RAJPURA)</u> Complete spray PT with conveyorized powder coating plant for 6 Mtr/Min AC cabinet.</p>
 INDO AUTOTECH LIMITED	<p><u>INDO AUTOTECH LIMITED (NARSAPURA, FARIDABAD, ALWAR, DASLANA, JAIPUR & MANESAR)</u> Conveyorized Spray Pre-Treatment Line with Powder Coating Plant for Automotive Components. Conveyorized HR Painting Line for Muffler Components.</p>
 PRABHA BORN TO BUILD	<p><u>PRABHA ENGINEERS (PANTNAGAR & HOSUR & KANCHEPURAM)</u> Manual Wet Type Down Draft Liquid Paint Booth with Baking Oven for Truck Body & Cabins.</p>
 Geeken	<p><u>GEEKEN SEATING COLLECTION PRIVATE LIMITED (MANESAR)</u> Powder Coating Plant with PLC Based Transporter Operated Dip Pre-Treatment Line for Furniture Components.</p>
 LUMINOUS	<p><u>LUMINOUS POWER TECHNOLOGIES LIMITED (GAGRET & BADDI)</u> Conveyorized Powder Coating Plant & Conveyorized Varnish Coating Line for Electrical & White Goods.</p>

<p><u>HAVELLS INDIA LIMITED (SAHIBABAD, HARIDWAR)</u> Automatic Conveyorized Pre - Treatment Line with Powder Coating line for Control Panel Box</p>	
<p><u>ASHOK LEYLAND LIMITED (HOSUR)</u> Cabin Painting Line</p>	
<p><u>BERI UDYOG PRIVATE LIMITED (KARNAL)</u> Conveyorized Powder Coating Plant with Spray Pre-Treatment Line for Agricultural Rotovators.</p>	
<p><u>INDO HITECH APPLIANCES LIMITED (KUNDALI, NATHUPURA)</u> Conveyorized Polymer Coating Plant with Spray Pre-Treatment Line for Geyser & Home Appliances.</p>	
<p><u>JBM EV INDUSTRIES PRIVATE LIMITED (PALWAL, REWARI)</u> Bus painting & Drying Booth.</p>	
<p><u>CROMPTON GREAVES CONSUMER ELECTRICALS LIMITED (BETHORA PONDA)</u> Automatic varnish plant for ceiling fan stator.</p>	
<p><u>AVON CYCLES LIMITED (HAJIPUR, LUDHIANA)</u> Conveyorized Liquid Painting Plant with Dip Pre-treatment Line for Bicycle Components.</p>	
<p><u>KYB MOTOR CYCLE SUSPENSION INDIA PRIVATE LIMITED (KANCHEPURAM)</u> Conveyorized Liquid Painting Line with Spray Pre-Treatment Line for Motor Cycle Suspension Components "With Jhen Da Engineering"</p>	
<p><u>JOHOKU MANUFACTURING INDIA PRIVATE LIMITED (KANCHEPURAM)</u> Conveyorized Liquid Painting Line with Spray Pre-Treatment Line for Motor Cycle Suspension Components "With Jhen Da Engineering"</p>	
<p><u>HELICAL SPRINGS (UNIT OF T. K. PRECISION PRIVATE LIMITED) – (AURANGABAD)</u> Spring Painting Line for automobile</p>	
<p><u>JAQUAR & CO PRIVATE LIMITED (BHIWADI)</u> Automatic Conveyorised powder coating plant with spray Pre- treatment for LED lighting.</p>	
<p><u>SANDHAR TECHNOLOGIES LIMITED – (NALAGARH, HALOL, BANGALORE)</u> Liquid Painting Plant for mufflers, Powder coating plant with spray PT for Automotive Components, Liquid Painting Plant for cabins.</p>	



.... and many more



KSW INDIA PRIVATE LIMITED

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