

# Precision Surface Finishing & Industrial Coatings

India's trusted Tier-1 partner in high-precision powder coating and specialty surface protection, delivering quality consistency across major industrial corridors since 1967.

**50+**

YEARS OF SURFACE  
ENGINEERING LEGACY

**3+**

ADVANCED MANUFACTURING  
FACILITIES

**12k+**

SQ. FT WORLD-CLASS  
INFRASTRUCTURE

**100+**

HEAVY INDUSTRY &  
AUTOMOTIVE CLIENTS

# Uncompromising Surface Engineering

Founded in 1967 by the late visionary Mr. M.M. Hanif, Bisco India stands as an industry leader in protective and precision electro-chemical surface engineering.

We operate multiple state-of-the-art facilities across Chennai, Mumbai, and Coimbatore, strategically serving automotive Tier-1 suppliers, electrical grids, aerospace defense projects, and structural infrastructure with ISO-validated consistency.

## Core Management Philosophy

Standardized operations, rigorous pre-treatment protocols, strict dry film thickness (DFT) compliance, and total batch material traceability.

## Our Mission

To provide exceptional surface finishing services that exceed global quality and environmental standards, optimizing the lifecycle of metals.

## Our Vision

To remain the benchmark name in protective coating services, continuously evolving through cutting-edge chemical and automatic application systems.

# A Legacy of Surface Finishing Excellence

A legacy built on process evolution, adapting pioneering coating technologies for heavy OEMs across India.

## 1967

### Genesis in Mumbai

Founded by late Mr. M.M. Hanif, pioneering precise electroplating & anodizing for industrial components.

## 1992

### Mumbai Presence

Maintaining a consistent presence in Mumbai since 1992, serving as a core operational hub for our surface finishing services.

## 2026

### Chennai Launch

Successfully expanded operations to Chennai this April, strategically positioned to support major industrial and automotive clusters.

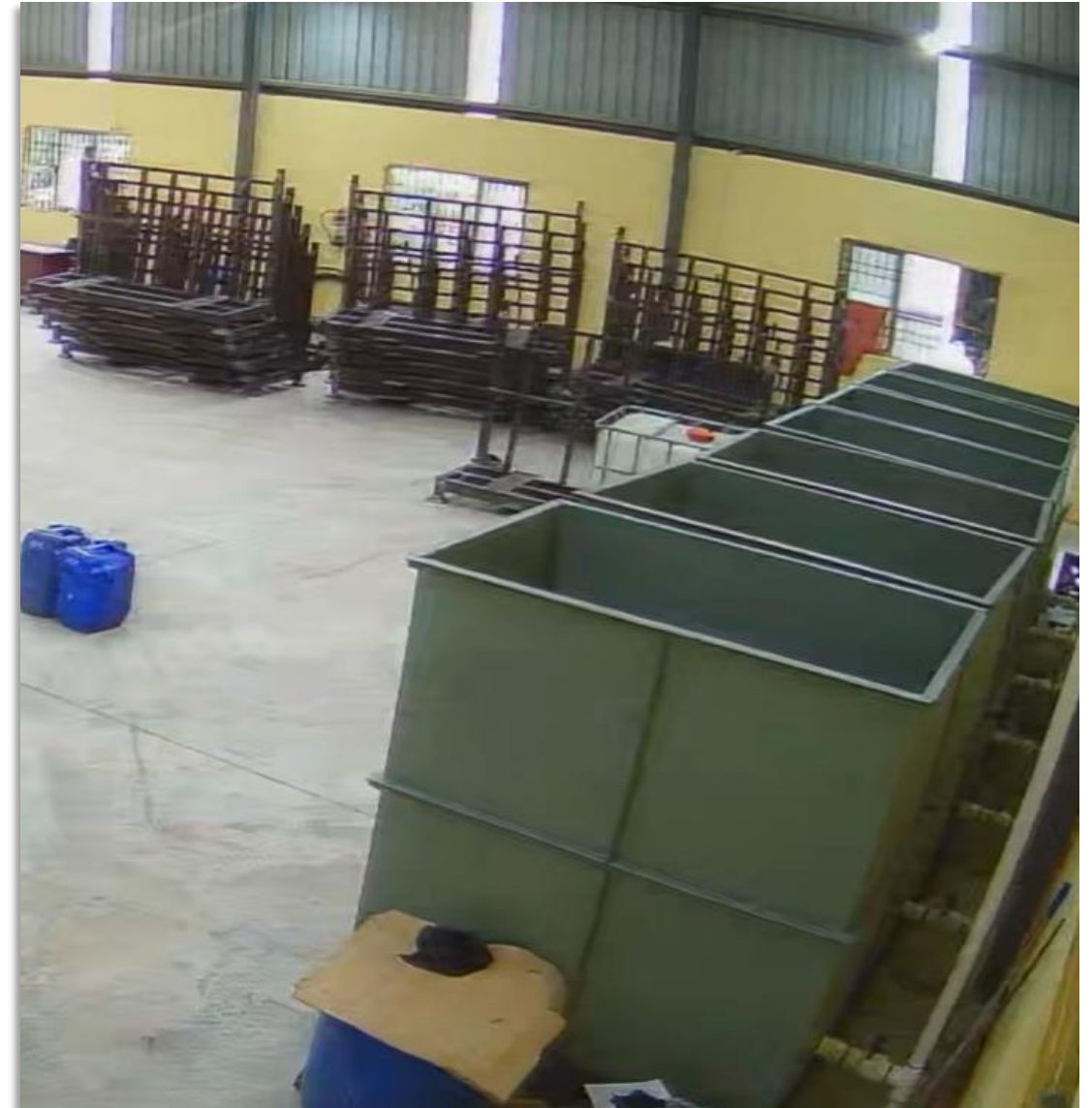
# The 7-Tank **Pre-Treatment** System

Surface pre-treatment is the foundation of structural lifetime adhesion. We implement a rigorous, chemical-monitored 7-Tank chemical conversion dip process to prepare substrates.

- ✓ **Degreasing:** Eliminates manufacturing oils, grease & rust preventatives.
- ✓ **Derusting & Pickling:** Strips metal of surface scale and rust layers.
- ✓ **Phosphating / Chromating:** Grows a micro-crystalline conversion film.
- ✓ **Demineralized Rinse (Final):** Reaches total contaminant-free clarity.

## Auditable Salt Spray Rating

Guarantees over 1000+ hours of salt spray resistance (SST) under standard test lab metrics.



# Products & Coating Chemistries

We formulate specialized, polymer-grade chemistries tested in-house to protect and withstand tough climatic stresses.

| Coating Class                   | Prime Properties                              | Typical Applications                  |
|---------------------------------|---|---------------------------------------|
| <b>Epoxy Polyester (Hybrid)</b> | Smooth, impact-resistant & durable            | Electrical enclosures, server panels  |
| <b>Pure Polyester</b>           | High outdoor UV & weathering resistance       | Architectural frames, HVAC systems    |
| <b>Polyurethane (PU)</b>        | High abrasion & aggressive solvent resistance | Automotive chassis, mining structures |
| <b>CED Coating</b>              | Perfect edge coverage, zero-void primers      | Complex inner geometry frame parts    |



*Precision electrostatic batch coating of sheet metal parts*

# Advanced Specialty Coatings

Engineered, niche surface engineering methodologies complying with international aerospace, food-grade and high-voltage standards.



## Chromate Alodine

**MIL-DTL-5541 Compliant:** Perfect chemical passivating conversion for raw aluminum. Protects structures while preserving surface electrical conductivity.

MILITARY SPECIFICATION



## Plascoat PPA 571

**FDA-Compliant Thermoplastic:** Premium nylon-based coating. Highly elastic, outstanding chemical and chip proofing. Non-toxic.

FOOD-GRADE / FDA APPROVED



## Dielectric Coatings

**High-Voltage Insulation:** Specialized polymer powder coating to prevent electrical arc tracking and surface current leakage.

HEAVY GRID ELECTRICAL

# Machinery & Production Facilities

We operate fully integrated, high-capacity industrial systems ensuring zero variation across high-yield OEM releases.

## Advanced Electrostatic Booths

Precise corona and tribo electrostatic charging guns ensuring uniform dry film deposition range of 60–80 microns.

## Controlled Curing Ovens

High volume batch ovens of up to 15-feet capacity, managing stable thermal cycles between 150°C to 250°C to lock cross-linking.

## Powder Recovery Cyclone Systems

A clean operational setup with integrated recovery modules, delivering highly green and sustainable operations.



*In-line operator manipulating electrostatic corona spray equipment*

# Strategic Dual-Corridor Scale

## Facility Footprint

TOTAL SQ. FT ACROSS ALL LOCATIONS - 15K SQ.Ft.

## Processing Throughput

Large SQ. FT / DAY COATING CAPACITY

## 15-Foot Ovens

BATCH CAPACITY FOR HEAVY FABRICATIONS

### 📍 Southern Hub: Chennai (Sriperumbudur)

Positioned directly inside the core manufacturing belt near Ambattur & Oragadam. Equipped with a 7-stage phosphating pre-treatment sequence, high-throughput automated lines, and ISO-controlled testing labs.

### 📍 Western Hub: Mumbai (Vasai)

Strategic logistics coverage across Maharashtra's key engineering and auto corridors. Seamlessly coordinates with Chennai to provide multi-city component supply logistics with identical coating controls.



# Diverse Industrial Expertise

Our chemical setups comply with unique coating demands across multiple heavy industrial segments:



## Automotive

Chassis, alloy wheels, and engine brackets engineered to high heat and salt-spray tolerances.



## Electrical Grids

Busbars, switchgear panels, and outdoor distribution cabinets requiring solid insulation.



## Architectural

Anodizing primer, structural frames, and heavy aluminum extrusions with UV block stabilizers.



## Heavy Engineering

Specialty anti-corrosive primers for equipment chassis, machinery frames, and valve bodies.





# Market **Industrial Verticals**

Our surface finishing solutions cater to a broad spectrum of high-demand industrial sectors with specialized requirements.

## Key Industrial Segments & Applications

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### **Automotive**

Chassis, alloy wheels, and engine brackets engineered for high heat and salt-spray tolerance.

### **Architectural**

Anodizing primers, structural frames, and aluminum extrusions with UV block stabilizers.

### **Electrical Grids**

Busbars, switchgear panels, and outdoor cabinets requiring solid electrical insulation.

### **Heavy Engineering**

Anti-corrosive primers for equipment chassis, machinery frames, and valve bodies.

### **Aerospace**

High-precision finishes for burr-free surfaces and extreme environmental resistance.

### **Medical Devices**

Biocompatible surface treatments for surgical instruments and orthopedic implants.

### **Renewable Energy**

Protective coatings for wind turbine components and solar panel racking systems.

### **Electronics**

Functional plating for conductivity and decorative finishes for consumer electronics.

# Quality Assurance & Compliance

## ISO 9001:2015

QUALITY MANAGEMENT STANDARD



Certified scope: "Powder coating with pretreatment for ferrous and non-ferrous metals."

Certificate No: QSR/QB/2605455228

Verification: Audited by QSR / IAF certified registrar framework.

Our in-house analytical QA laboratory continuously monitors production batches to verify strict ASTM mechanical properties:

DFT Analysis Calibrated digital electromagnetic gauges

Adhesion Test Cross-Hatch shear test per ASTM standards

Salt Spray Validation 1000+ Hours environmental testing chamber

Gloss & Impact Checks Optical photometer & multi-point weight drop



# Let's Partner on Your Next Project

We welcome technical process audits, plant inspections, and sample component trials at any of our facilities. Get in touch to schedule an audit.

 **Chennai Plant Location**

Plot Nos. 31 & 32, Chellaperumal Nagar,  
Karanthangal Village, Sriperumbudur,  
Kancheepuram District, Chennai – 602105

 **Mumbai Corporate Unit**

Unit No. 106, Wadia Wadi,  
Gokhivera, Vasai East,  
Thane District, Mumbai – 401208

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