

Surface Treatment Solutions

Protective Coating of Automobile Components

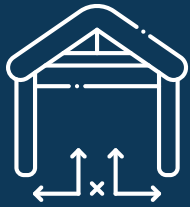
- Cathodic Electro Deposition Process (CED)
- Powder Coating
- Shot Blasting



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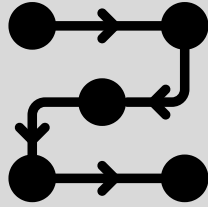
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Plant Design
Capacity



02

Process
Flow



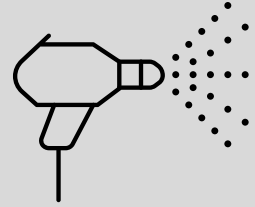
03

CED
Process



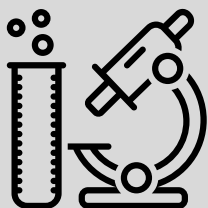
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In-House Lab



INTRODUCTION

Arudra Engineers Private Limited has been a trusted name in turnkey engineering products and services for the Power Industry since 1980, with a strong legacy in supporting Thermal Power Plants across the country.

Expanding its expertise, Arudra has now entered the Automobile Industry by establishing a state-of-the-art Cathodic Electro Deposition (CED) and Powder Coating facility in Sriperumbudur, Chennai—a major hub for automotive manufacturing.

With a commitment to industrial best practices and advanced technology, Arudra is fully equipped to deliver high-quality, timely coating services for a wide range of automobile parts and components. Our goal is to support Chennai's dynamic automotive sector with reliable, scalable surface treatment solutions that meet the highest standards.

- 1 Plant Located at Gunduperumbedu, Sriperumbudur
- 2 Total area of Plant 1620 sq.mt
- 3 In-house powder coating plant
- 4 Automated CED plant
- 5 Floor conveyor Trolley movement
- 6 ETP, RO & DM plant
- 7 Boiler for evaporating RO reject water
- 8 Offline Pickling Plant

PLANT DESIGN CAPACITY



Components Can process: Sheet metal, Casting Forging & Aluminium

CED coat process: 14 Tank stage Process

E-coat tank volume liquid: 10350 liters

Envelop Size in mm: 2200L X 900W X 1800H

Line Type: Wagons Transporter Movement

Output per load: 25 to 30 m²

Every Basket weight: 900 kg's including components

Production Capacity: 4500 - 5000m² / day

Solution heating fuel: LPG

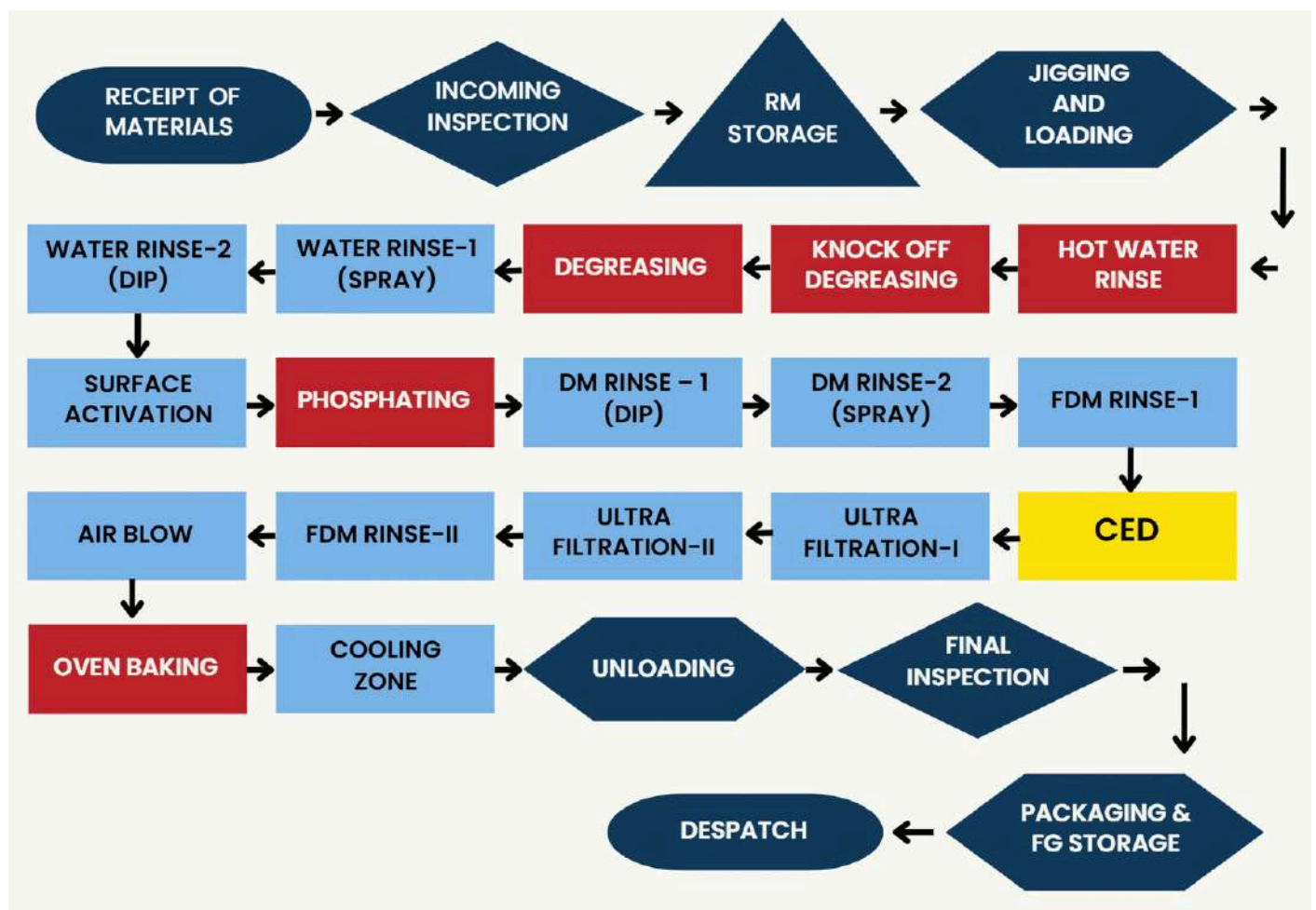
Cycle Time: 5 minutes 50 Seconds

Accessibility

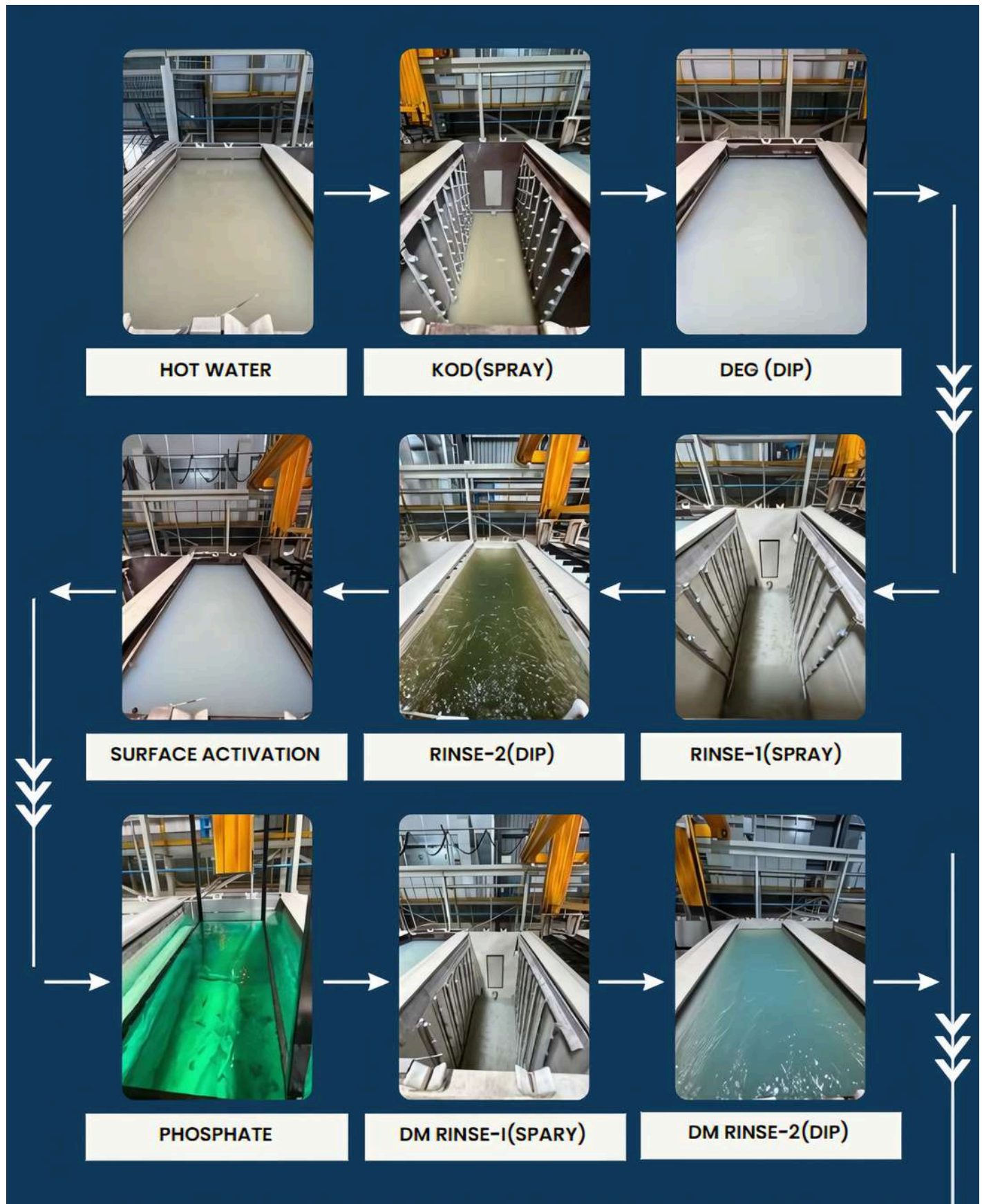
Arudra surface treatment plant (Cathodic Electro Deposition) is located in Chennai's Automobile Hub, Vallam – Sriperumbudur. Our suppliers and customers benefit from the Plant's advantageous proximity because of its strategic location.

Process Flow

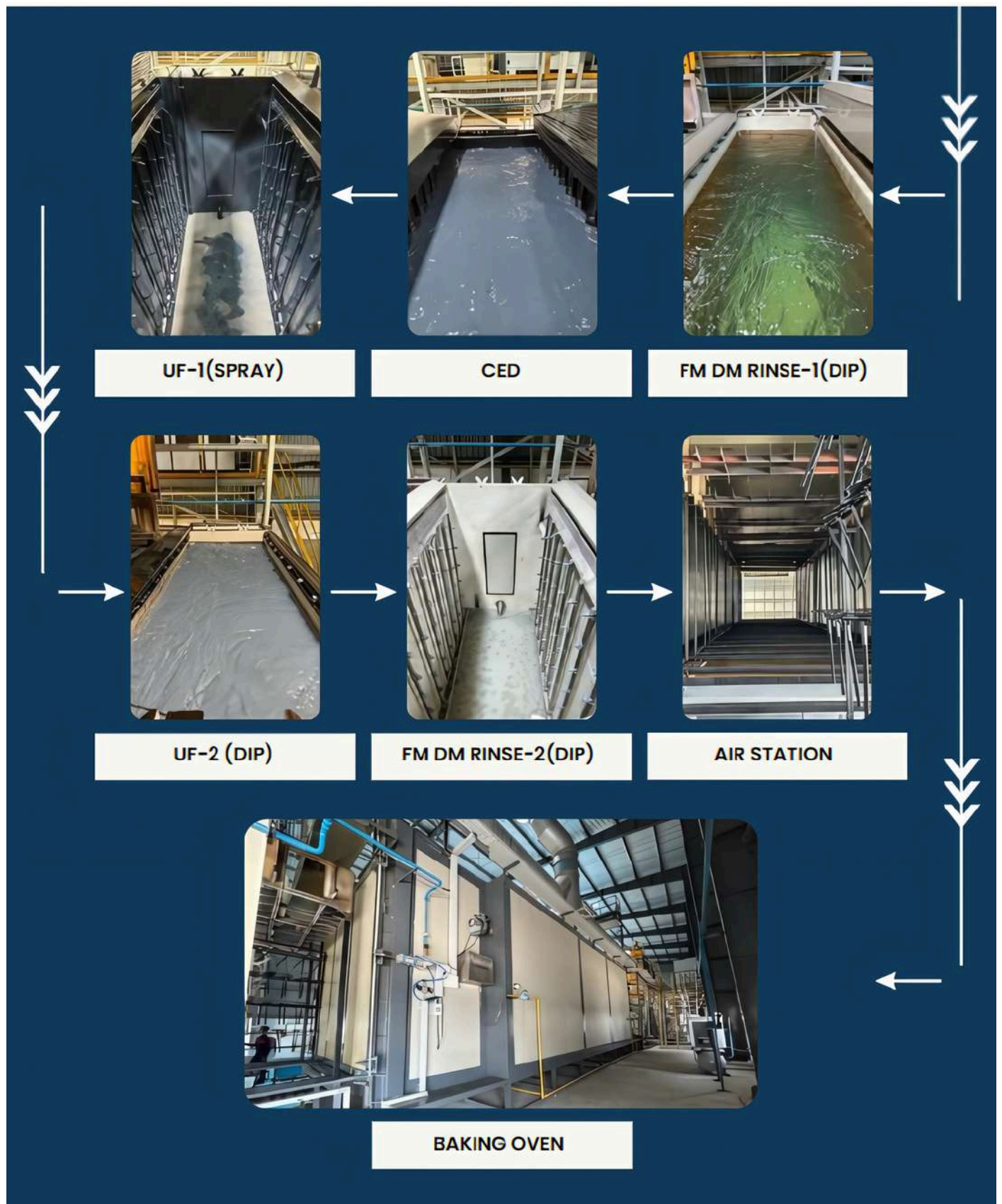
Our surface treatment plant typically follows a well-defined process flow to effectively & efficiently apply coatings to various products. This process involves the below stages and steps that ensure quality, consistency, and adherence to specific requirements



CED PROCESS



CED PROCESS



Powder Coating

Powder Coating is a widely preferred surface treatment method that offers superior corrosion resistance, aesthetic finish, and long-lasting durability for industrial components across sectors.

Arudra's advanced Powder Coating booth is designed for high-precision applications, supported by skilled professionals who ensure every coated part meets exacting customer specifications.

With integrated Shot Blasting, Powder Coating, and other pre-treatment processes operating seamlessly under one roof, Arudra delivers unmatched efficiency, faster turnaround, and consistent quality at scale.



Shot Blasting

Shot Blasting is a crucial surface preparation technique used to clean, strengthen, and roughen metal surfaces before coating or further processing.

At Arudra, our dedicated Shot Blasting booth is equipped with high-efficiency turbines and handled by trained technicians to deliver uniform surface profiles tailored to client requirements.

Combined with in-house Powder Coating and other surface treatment capabilities, Arudra ensures streamlined operations, high-quality finishes, and on-time delivery—all under one roof.



In-House Lab

Our in-house lab dedicated to automobile coating research and development specializes in creating and testing coatings for vehicles, with a focus on improving their appearance and durability.

We have exclusive TESTING PANEL STORAGE AREA, A SALT SPRAY CHAMBER & HOT AIR OVEN for undertaking various test, The lab formulates and optimizes coatings, conducts performance tests, explores application techniques and equipment, and prioritizes environmental considerations.

Quality control is maintained, collaboration with other departments is fostered, and the lab stays informed about industry trends to contribute to advancements in automotive coating technologies.





Arudra

Surface Treatment

GET IN TOUCH



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