



FUKU METAL FINISHING SDN BHD

**YOUR ELECTROPLATING
SOLUTIONS**



9001:2015

Your Electro-Plating Specialist

Our motivation and purpose

ABOUT US

FUKU METAL FINISHING SDN BHD is located at Puchong, Selangor and has been specializing in Electro-Plating and metal finishing service since 1980. With over 40 years of experience in providing industrial metal finishing as well as Electro-Plating services to various industries, you can expect a fast, dependable and exceptional service from our well-trained employees. As one of Malaysia's leading metal finishers paired with our 24-hours production facilities, we are able to effectively achieve an outstanding efficiency.

Providing Electroplating Solution For Today's Industries

Our modern facility and broad experience enable us to provide metal finishing to a wide range of industries namely electrical/household appliances, automotive, electronics, semiconductor, furniture, switchgear and hardware. To ensure we are able to achieve the desired specifications, FUKU METAL FINISHING SDN BHD undertake various tests in our in-house laboratory to guarantee factors such as tensile strength, corrosion resistant, thickness, etc. are up-to-par.

Commitment To Excellence

We continue to uphold the culture and tradition of providing exceptional quality of Electro-Plating at a competitive price by leveraging on advanced technologies and extraordinary Electro-Plating techniques.

We at FUKU METAL FINISHING SDN BHD also believes in the conservation of Mother Nature. Hence, we employ the use of latest technologies in waste water treatment. Not only does the implementation of waste water treatment comply with the environment act requirements, it is also what makes us at FUKU METAL FINISHING SDN BHD proud.

Our Mission

Our mission is to be the leading expert in Electro-Plating services in South-East Asia. We are committed to develop and deliver innovative Electro-Plating solutions at a cost-effective rate. To continuously improve on the efficiency and productivity of the company. And most importantly aid to the need of environmental conservation.

Mr. Tang King Huak
MANAGING DIRECTOR

Organizational Chart



TANG KING HUAK



DESMOND



GOH CHEE YONG

ADMINISTRATION

Accounts Clerk

Purchasing Clerk

General Administrator

Store Supervisor

Store Clerk

Lorry Driver

PRODUCTION

PRODUCTION MANAGER

TANG THONG FATT

Production Coordinator

Production Assistant

QUALITY CONTROL

QA/QC Executive (DCC)

QC Inspector

LABORATORY

Lab Assistant

ED Coating

Rack Zinc

Barrel Zinc

Rack Nickel

Barrel Nickel

FUKU METAL'S BUSINESS SEGMENT



1. AUTOMOTIVE

Contributing impeccable corrosion resistance & finishing to the Automotive Industry.



ZINC PLATING
NICKEL-CHROME PLATING
ED COATING
ZINC-NICKEL PLATING

2. HARDWARE, FASTENERS & INDUSTRIAL MATERIALS

Playing a role in the growth of social infrastructure by supplying consistent electroplating service.



ZINC PLATING
ZINC-NICKEL PLATING
NICKEL PLATING
NICKEL-CHROME PLATING
ED COATING

3. ELECTRONICS

Supporting the future evolution of Mobile Devices, Camera, Computers & many more electronics.

ZINC PLATING
SILVER PLATING
TIN PLATING
ED COATING



4. ELECTRICAL & HOUSEHOLD APPLIANCES

Providing corrosion resistance to help increase the lifespan of day-to-day items.



ZINC PLATING
NICKEL-CHROME PLATING
ED COATING
ELECTROLESS-NICKEL

5. FURNITURE

Further improve the appearance of Furnitures by providing it with a glossy, attractive finish.

ZINC PLATING
NICKEL PLATING
NICKEL-CHROME PLATING



Types of Electro-plating & Coatings

We provide various types of Electro-plating & Coatings to fit each clients specific needs:

Cathodic Electrodeposition

Cathodic Electro Deposition (ED) is a process of coating an object having a conductive surface connected to a circuit as the cathode, by positively charged paint particles suspended in aqueous medium, ED coating is most widely used in the automotive industry.

Zinc-Nickel Plating

Zinc-Nickel is a high performance coating that offers exceptional corrosion resistance particularly for parts used in harsh environments.

Nickel-Chrome Plating

Nickel chrome plating is the most common plating technique that utilizes nickel and chromium electrodeposits to form a multiple-layered finish on a substrate.

Electroless Nickel Plating

Electroless plating is metal deposition by a controlled chemical reaction. In contrast to an electroplating solution, Electroless Nickel (EN) solutions require no external source of current to plate.

Tin Plating

Tin plating is the process of depositing a coating of solderable tin plating onto the surface of a material via an electrical current. It has the flexibility to produce both dull; matte appearance and a shiny; metallic finish.

Zinc Plating

Zinc plating is primarily used to protect metals from corrosion effects. Zinc coatings prevent corrosion of protected metal by forming a physical barrier and acting as a sacrificial anode - even when this barrier is damaged.

Nickel Plating

Nickel plating involves adding a thin layer of nickel onto a metal object for a variety of reasons including decorative purposes or to provide wear and corrosion resistance.

Copper Plating

Copper is a metallic element with a red-orange color known for its high electrical conductivity, malleability and corrosion resistance.

Brass Plating

Brass plating is commonly used to improve the antifriction properties of the alloys. Besides that, Brass plating is also used to for its colour and decorative finishing.

Black Oxide

The black oxide process is a chemical conversion coating. This means that the black oxide is not deposited on the surface of the substrate like nickel or zinc electroplating. Instead, the black oxide coating is produced by a chemical reaction between the iron on the surface of the ferrous metal and the oxidizing salts present in the black oxide solution.

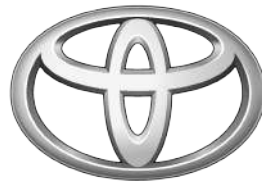
Our Clients

Below are just a few MNCs Fuku Metal Finishing Sdn Bhd are privileged to contribute our services to:

Automotive Industries:



Continental
The Future in Motion



TOYOTA
ALL ABOUT THE DRIVE



HONDA



PROTON
INSPIRING CONNECTIONS



PERODUA



Electronics Industries:



SAMSUNG



Panasonic



FUJITSU

Electroplating Services

Production Lines

Cathodic Electrodeposition

Type of Line:	ED Paint
Type of Operation:	Semi Auto
Average Capacity: (Month/24 hours)	600,000 kgs
Thickness Range:	Min. 15 μm
Thickness Accuracy:	95% \pm 5%



Barrel Zinc (Acid Zinc)

Type of Line:	Zinc Plating
Type of Operation:	Fully Auto
Average Capacity: (Month/24 hours)	1,000,000 kgs
Thickness Range:	Min. 5 μm
Thickness Accuracy:	95% \pm 3%



Barrel Zinc (Alkaline Zinc)

Type of Line:	Zinc Plating
Type of Operation:	Semi Auto
Average Capacity: (Month/24 hours)	1,000,000 kgs
Thickness Range:	Min. 5 μm
Thickness Accuracy:	95% \pm 3%



Barrel Zinc (Cyanide Zinc)

Type of Line:	Zinc Plating
Type of Operation:	Semi Auto
Average Capacity: (Month/24 hours)	1,000,000 kgs
Thickness Range:	Min. 5 μm
Thickness Accuracy:	95% \pm 3%



Rack Zinc (Alkaline Zinc)

Type of Line:	Zinc Plating
Type of Operation:	Fully Auto
Average Capacity: (Month/24 hours)	600,000 kgs
Thickness Range:	Min. 5 μm
Thickness Accuracy:	95% \pm 3%



Rack Zinc-Nickel

Type of Line:	Zinc-Nickel Plating
Type of Operation:	Fully Auto
Average Capacity: (Month/24 hours)	600,000 kgs
Thickness Range:	Min. 5 μm
Thickness Accuracy:	95% \pm 3%



Barrel Zinc-Nickel

Type of Line:	Zinc-Nickel Plating
Type of Operation:	Fully Auto
Average Capacity: (Month/24 hours)	750,000 kgs
Thickness Range:	Min. 5 μm
Thickness Accuracy:	95% \pm 3%



Barrel & Rack Black Oxide

Type of Line:	Black Oxide
Type of Operation:	Fully Auto
Average Capacity: (Month/24 hours)	600,000 kgs
Thickness Range:	N/A
Thickness Accuracy:	N/A



Tin Plating

Type of Line:	Tin Plating
Type of Operation:	Manual
Average Capacity: (Month/24 hours)	50,000 kgs
Thickness Range:	Min. 3 μm
Thickness Accuracy:	95% \pm 3%



Electroless-Nickel Plating

Type of Line:	Electroless-Nickel Plating
Type of Operation:	Manual
Average Capacity: (Month/24 hours)	100,000 kgs
Thickness Range:	Min. 3 μm
Thickness Accuracy:	95% \pm 3%



Barrel Copper & Nickel

Type of Line:	Copper & Nickel Plating
Type of Operation:	Semi Auto
Average Capacity: (Month/24 hours)	250,000 kgs
Thickness Range:	Min. 3 μm
Thickness Accuracy:	95% \pm 3%



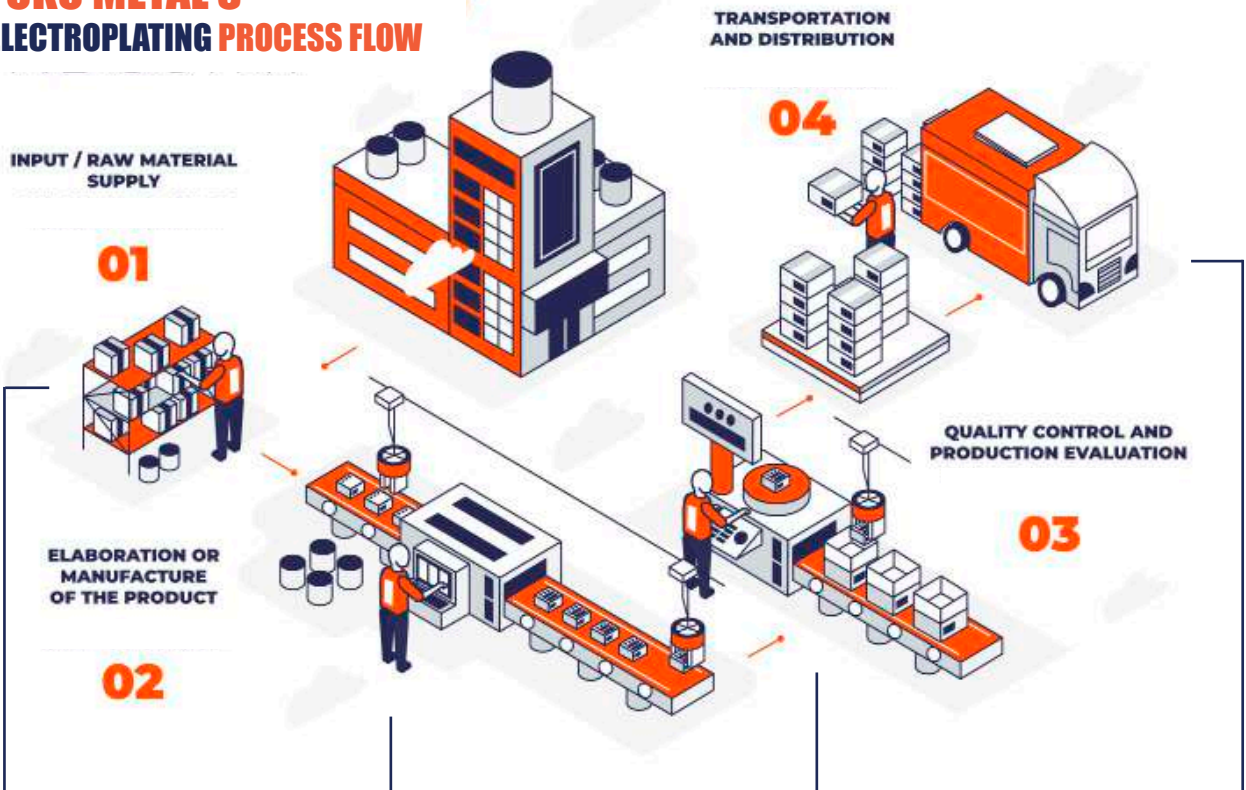
Rack Nickel

Type of Line:	Nickel Plating
Type of Operation:	Semi Auto
Average Capacity: (Month/24 hours)	300,000 kgs
Thickness Range:	Min. 8 μm
Thickness Accuracy:	95% \pm 3%



PRECISION Process Flow

FUKU METAL'S ELECTROPLATING PROCESS FLOW



ELECTROPLATING PROCESS

1. Goods will undergo the required cleansing/ degreasing process.
2. **ELECTROPLATING** will be conducted.

QUALITY ASSURANCE & INSPECTION PROCEDURE

1. Visualised Test.
2. Ductility & Adhesion Test.
3. Thickness Test.
4. Salt Spray Test.
5. Items will be move on to the "rework" process if goods are not able to meet clients' requirement.

CONFIRMATION & INSPECTION OF THE INCOMING OF GOODS

1. Goods will be inspected by QA Inspectors.
2. Goods will be assigned to the designated area after confirmation of process.

PACKING & OUTGOING OF GOODS

1. Goods will be packed according to the clients' requirement . ie: by boxes; bags
2. Packed goods will then be stored and ready for deliver/shipment.
3. Delivery / Collection of goods.

Production Lines, Facilities & Equipment

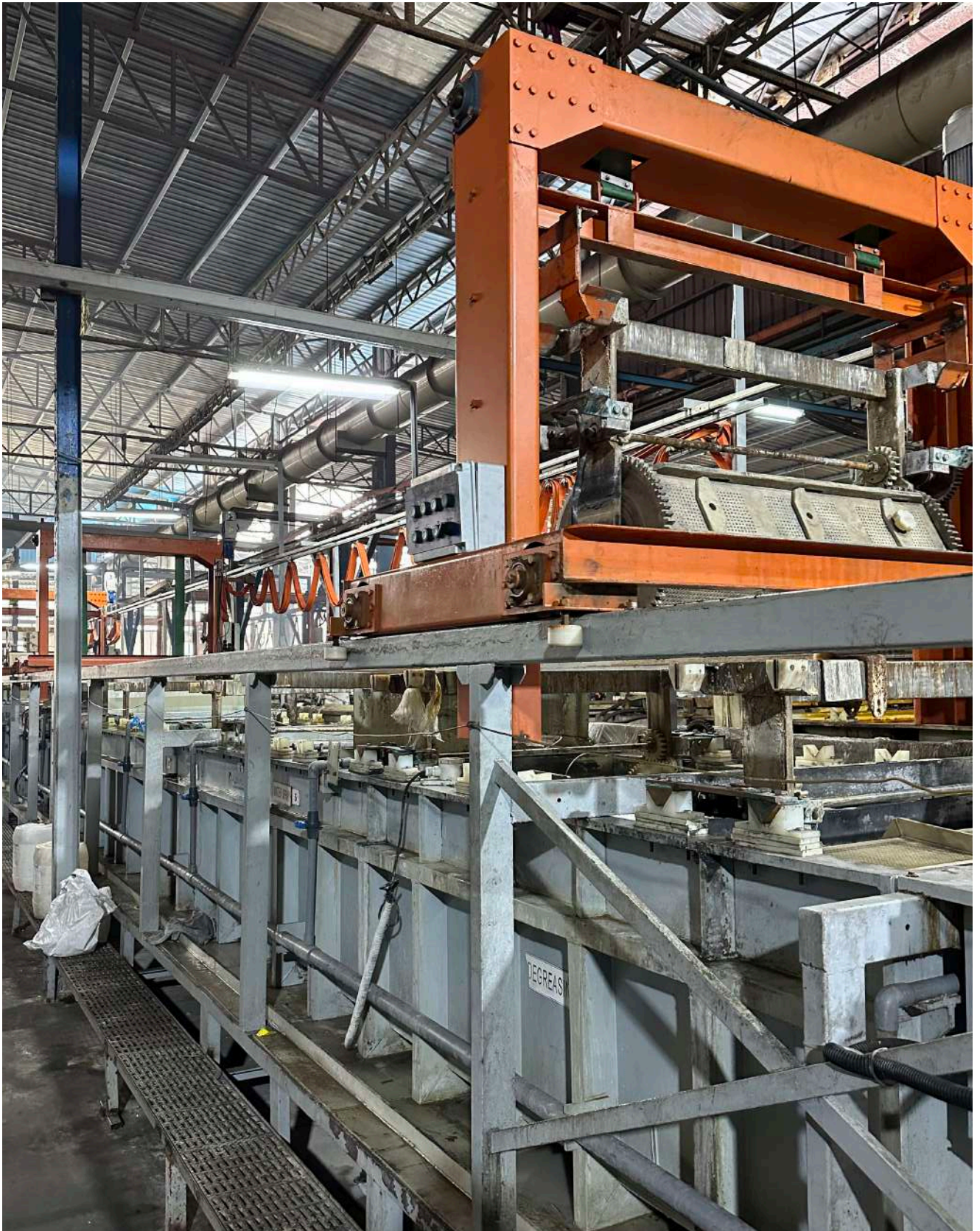
Fuku Metal provides Electro-Plating Facilities and guidances to clientele

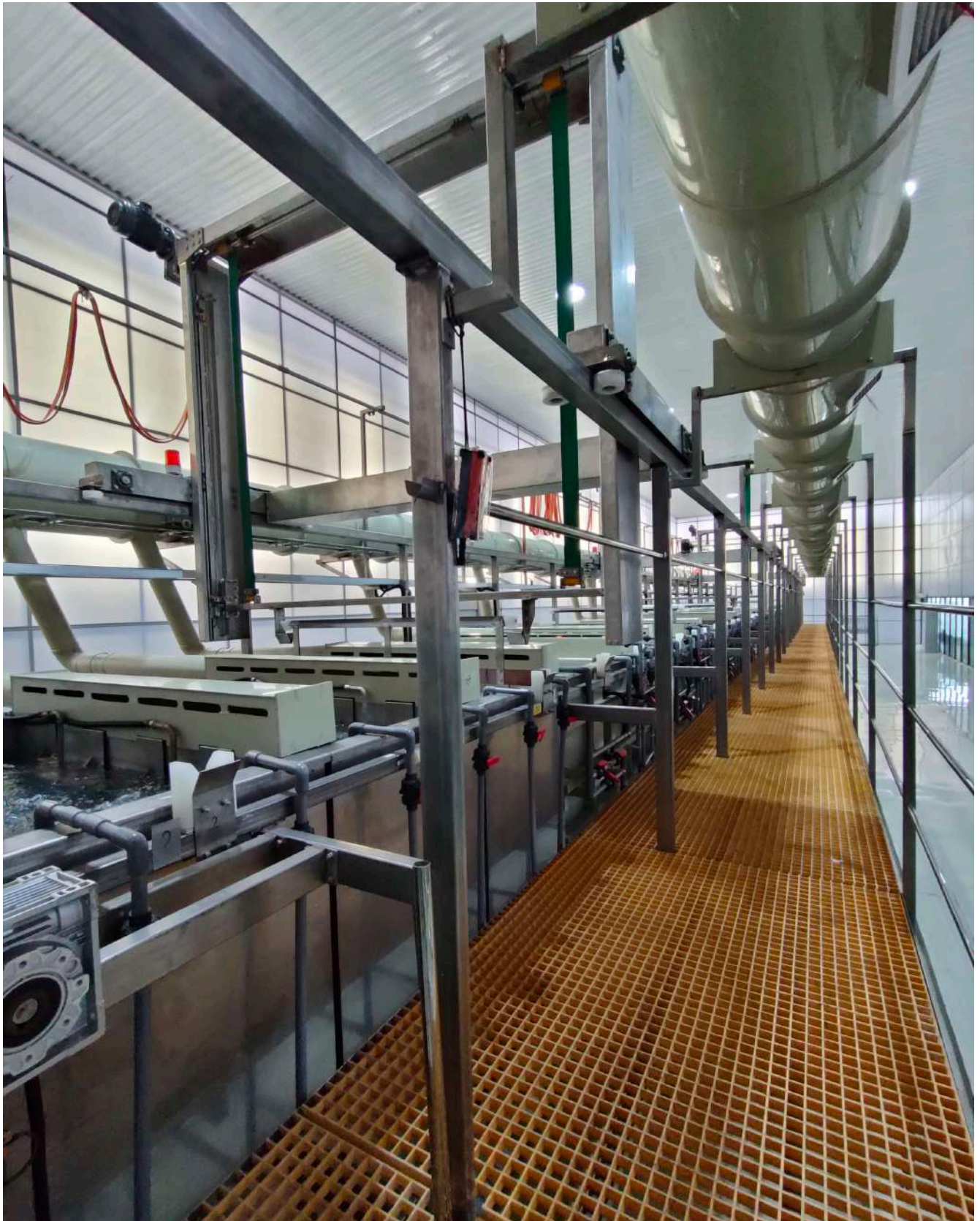
Full Scale Electro-Plating Production Lines & supporting equipments:

- Tanks
- Transporter
- Rectifier
- Filter
- Dryer
- Oven
- Scrubber
- Heat Exchanger
- Heater
- Chiller
- Barrel











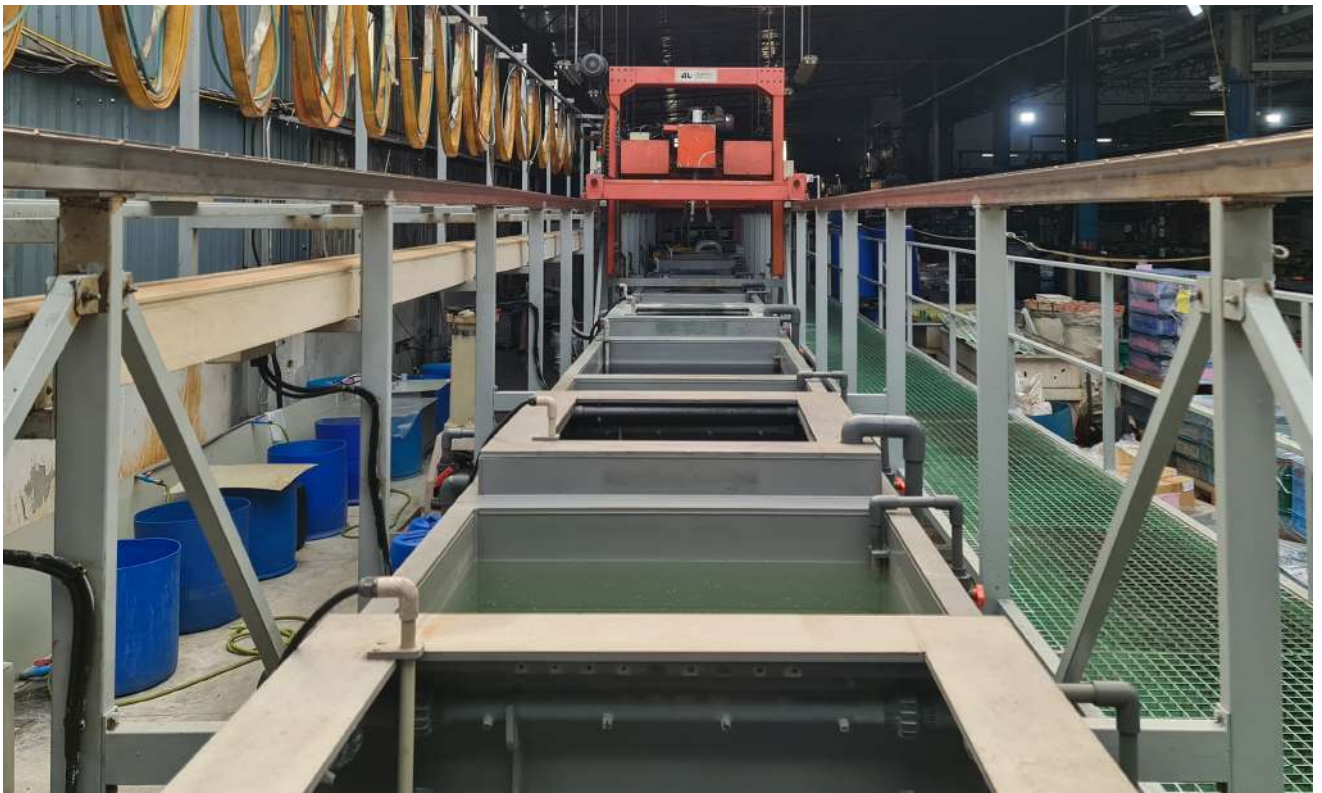












FUKU METAL FINISHING is ISO-9001:2015 Standard Compliant.

We are committed to consistently provide the highest quality of products and services to all clienteles and progressively improve our quality management system. To achieve the following goals:

To fulfill clientele's needs and meet (or exceed) their quality expectations.

Uncompromisable, steadfast adherence to the stringent requirement of ISO 9001:2015 certification as well as statutory & regulatory requirements.

On-time delivery of all projects.

Our Quality Assurance Control system is instituted and implemented to serve as a proper and systematic control procedure to ensure consistent and better quality of finished products. Such system is highly critical to meet the requirements of our most demanding customers in the Automotive, Electronics and Computer industries.



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