



2022 Taiwan & India Surface Finishing Business Exchange Meeting

- * Association Introduction
- * Company Introduction
- * Meeting Agenda

11st May



Mr. Hsu, Tung-Chen
Chairman of Taiwan Surface
Finishing Association
maustinhsu@gmail.com

Taiwan Surface Finishing Association (TSFA) was formed and established on January 28, 1989 by the approval of the Ministry of the Interior. The members scale has reached 300 on 30 January, 2021.

Our Services :

1. Communication & Coordination
 - Advocate the policy and regulatory compliance.
 - Help to deliver our member's statements or initiatives to the government.
 - Connect to the field technology integration and consulting.
2. Training
 - Holistic training plan and conduct the course for field engineers, train the trainer and basic curriculum to students in school.
 - Perform the industry-academy cooperation project with school including the education material editing and students' on-job training program.
 - Best practice and management skill sharing to our members.
3. International Exchange
 - Maintain good relationship with overseas associations in this industry.
 - Attend overseas exhibitions to promote trade opportunities.
4. Information flow
 - Monthly Report: Provide the most updated information and news of the industry to our members via email.
 - Quarterly Release: Collect the newest technical publication and market survey...etc.
 - Members' List: A completed member list with their services or product lines as well as industry research report for sourcing purpose.
5. Data collection: Provide the information for industry management purpose.



Mr. Sunil Goel
President of Metal Finishers'
Association of India
mfaihq@gmail.com

Metal Finishers' Association of India popularly known as MFAI, was established as a registered body in 1973 by a group of dedicated electroplaters in Mumbai then called Bombay.

It has been a long journey of more than four decades wherein the association has steadily grown. Today MFAI enjoys the status as the premier professional body of electroplaters and metal finishers in our country, with a membership of over 1000 representatives in research, academic institutions and the industry.

MFAI offers excellent in house conference facility and Library of more than 500 books on surface finishing technology and others.

The association has been vigorously pursuing following objectives

- ◆ To provide a common forum for metal finishers, Industrialists, designers and professionals to meet and foster the advancement of surface engineering, with particular focus on science of electroplating technology in our country.
- ◆ To promote activities of interest to the members, such as organizing seminars/symposia, technical meetings, intensive courses and industrial visits.
- ◆ To disseminate scientific and technical information particularly related to electroplating and metal finishing technology, for the benefit of members.
- ◆ To be in liaison with Government Agencies to put legal and commercial view points of our industry to the Government.
- ◆ To collaborate with other professional bodies (in India and Abroad) who are pursuing similar aims and objectives.



Mr. Darshan Somani President of Association of Metal Finishers' Aurangabad

About AMFA

- Association of Metal Finishers Aurangabad Formed in 2017.
- Having active 45 members from plating industry and traders

Glimpse of AMFA

- Apart from regular installation we did several projects
- Visit to ETP plant at Shirwal, Pune · Visit to Growel (India) Ltd. R&D centre, Lab, Mumbai
- 106 Tree plantation at nearby village (all trees are grown up now)
- Adopted island in industrial area for beautification and tree plantation
- Technical Seminar by Growel (India) Ltd.
- Contributed handsome amount during pandemic situation for food arrangement of greedy person.

About metal Finisher industry in Aurangabad

- Aurangabad has wide scope for electroplating as it is also known as auto hub, following range is there :
 - ✓ Acid Zinc
 - ✓ Alkaline Zinc
 - ✓ Nickel
 - ✓ Hard Chrome
 - ✓ Zinc Nickel
 - ✓ Copper
 - ✓ Tin
 - ✓ Silver



Mr. Ian Yi-En Su Manager, HLHC Industry Co.; Ltd.

Responsible for marketing and technical service

iansu@hlhc.com.tw, +886-985-126-062

www.hlhc.com.tw, +886-2-2798-5266

[in://www.linkedin.com/company/metchemproducts](https://www.linkedin.com/company/metchemproducts)

HLHC Industry Co., Ltd. was established in Taiwan since 1988. Have collaborated with *MetChem Products Corp., USA* and focused on electroless nickel of metal finish industry more than 20 years. Expands excellent technique to China, Malaysia, Thailand, Vietnam, Europe, USA, and India. *MetChem Products Corp.* at Delaware, USA is one of the leading professional special chemical suppliers in metal finish industry. *MetChem* electroless nickel are widely applied in the manufacturing of products of Seagate, Western Digital, Toshiba, Emersion, Hitachi, Canon, and Ricoh international leading enterprises.

HLHC is committed to be the best global electroless nickel supplier, with our professional technique and knowledge, close technical service, and deep interaction with the clients.

We supply chemicals of electroless nickel and its application :

1. Complete electroless nickel
Low phos-, medium-phos, and high-phos EN, Nickel boron, Composite PTFE-EN
2. Optimal process chemical for industries
ENIG, ENEPIG for PCB/MID, Ultra-low corrosion ENIG for automotive/semiconductor
EN for Integrated Heat Spreader
3. Customize for your demand
Barrel plating, Reel to Reel, Heterogenous component, Rapid brighten, NaOH as pH-adjustor, Cooling chamber for IGBT in BEV, Ultra-thick, Ultra-corrosion resistance EN for semiconductor equipment
4. Qualified and restriction compliance
Seagate, WD, and Toshiba qualified EN to HDD manufacturing
RoHS and REACH SVHC compliance, lead-free and all-organic stabilizer.
5. Pre- and post-treatment
Anti-rust, Cleaner, Etchant, Zincate, Activation, Organic sealing, Blackener





Mr. Lin, Yu-Ming
Factory Manager

E-mail: ming7464@eidorado.com.tw

Ei Dorado Corp. was founded in 1989. We are a manufacture of surface treatment machinery, specialized in electroplating and anodize treatment. Our goal is to help our customer achieve their production needs via advance equipment and programming, while reduce consumption and waste, providing a green future for generations to come.

Our services Include:

1. Electroplating equipment
 - ✓ Passive components (Cu,Ni,Sn)
 - ✓ Electrical connector (Cu,Ni,Sn,Ag,Au)
 - ✓ Automotive ABS Process (EN,Cu,Cr)
 - ✓ Zinc Process
 - ✓ Chrome Process
2. Aluminum / magnesium anodize equipment
 - ✓ Aerospace
 - ✓ Mobile device
3. Experimental equipment
 - ✓ Vacuum plating
4. Electroforming equipment
5. Electro Coat equipment
6. Industry 4.0 upgrade for automated production lines
7. Exhaust and waste treatment equipment
8. Auto dosing for automated production lines
9. Electroplating consumables
 - ✓ Plating barrel / Cathode dangler / Plating rack
 - ✓ Anode / Anode basket / Basket bag
 - ✓ Filter / Pump
 - ✓ Chiller / Heater / Heat pump / Heat exchanger



Mr. Suresh Shah Designation Director

<https://supershineindustries.com/>

+91 98211 18738

Smsshan2005@gmail.com

05 Windsor CHS, Near Sai mandir, Ashokvan, Shiv Vallabh road,
Borivali (East), Mumbai 400068. Maharashtra, India.

◆ History

Supershine Industries was established more than 20 years back by Mr. SURESH SHAH with a pledge to provide excellent products and remarkable support of our customers.

Our organization has symbolized that dedication since the start. It speaks quality, lucidity, excellence, and our drive to be as well as expected every single day.

Over the years, thanks to a dedicated staff and hard work, this vision was realized. These days, the next generation of the family is proud to continue the mission that our founders set forth.

We're still led by the principles the Mr. Suresh has set.

◆ Vision

To be one of the India's top company providing for Moulding & Electroplating globally.

Supershine Plating provides exceptional plating-on-plastic products to our customers by constantly improving processes and techniques, focusing on quality, and excelling at customer service.

You'll experience our commitment to excellence from the first moment you contact us, to the moment your parts leave our shop (and beyond).

◆ Journey so Far

1989: Started as a metal electroplating plant

1995: Entered into plating on ABS plastic parts

2000: Dedicated Unit for ABS Pen Parts for PAN India Customers

2006: Became the largest manufacturer for pen parts (2 Million parts per day)

2010: Dedicated Laboratory for In-House Testing

2012: Dedicated Unit for export clients.

2016: Dedicated Unit for Gold Plating on plastics.

2017: Construction Started for Fully Automatic ABS Plating Plant at Tarapur, Palghar.

2017: ISO Certification for Unit 3

2018: SOP of Tarapur Plant in March 2019



 **Shriram Engineers**

Mr. Anil Patil

<https://shriramengineers.in/>

+91 95455 50526

anil_se03@rediffmail.com

C- 245, Waluj MIDC, Aurangabad, Maharashtra, India

◆ Profile

Shriram Engineers is an ISO 9001:2015 company. Established in Aurangabad (MH), India in a view to provide metal finishing services by using electroplating and electropolishing.

Since being started in 2004, Shriram Engineers has been known for an unparalleled commitment to customer satisfaction. From the beginning, its initiative is to cater the demand of the day by providing quality product considering the customer requirement.

It's this standard of excellence that has provided the impetus for us to grow into the business we are today. We believe that the customer always comes first and that means exceptional products & exceptional services.

◆ Service

✓ Zinc Plating

The greatest enemy of all types of metal is rusting and corrosion. The corrosive effect of rust is very destructive. 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.

✓ Copper Plating

Copper plating is an electro-chemical process, in which a layer of copper is deposited on the metallic surface of a solid through the use of electric current.

✓ Electropolishing

Electropolishing is an electrochemical finishing process that removes a thin layer of material from a metal part, typically stainless steel or similar alloys. The process leaves a shiny, smooth, ultra-clean surface finish.



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- * Organized by TSFA, MFAI and AMFA
- * Co-Organized by TCCM and ITRI
- * Date: 11st May 13:30-IN
- * Online Webex Platform:
<https://itri-def.my.webex.com/itri-def.my/j.php?MTID=m047a9fd348e08eca442570cbfb7e1d9a>
 - Meeting No. : 25130976594
 - Password : pSuNHme7R32

Indian Time	Agenda	Speaker
13:15~13:30	Online Check-In Webex Platform	
13:30~13:35	Opening Remarks Taiwan Chamber of Commerce Mumbai	Ms. Jennifer Makhecha Chairperson of TCCM
13:35~13:50	Keynote Address Taiwan Surface Finishing Association Metal Finishers' Association of India Association of Metal Finishers' Aurangabad	Chairman Mr. HSU, TUNG-CHEN President Mr. Sunil Goel President Mr. Darshan Somani
13:50~14:20	Chemicals of Electroless Nickel Electroplating and Anodize Treatment Equipment	HLHC Industry Corp Mr. Ian Yi-En Su, Manager Ei Dorado Corp Mr. Lin, Yu-Ming, Factory Manager
14:20~14:50	Plating on Plastic Preventive Maintenance of Manual Plating plant	Supershine Industries Mr. Suresh Shah, Designation Director Shriram Engineers Mr. Anil Patil
14:50~15:00	Business and Opinion Exchange	
15:00~	Ending	Ms. Jennifer Makhecha Chairperson of TCCM