



# WELCOME

## Presentation of EHLEBRACHT Group



The diagram illustrates the corporate structure of EHLEBRACHT AG. At the top left is a photograph of a modern industrial building in Enger, Germany. The central header features the EHLEBRACHT AG logo and name. Below this, the company is divided into two main business divisions: 'Plastics technology' and 'Furniture components'. Under 'Plastics technology', five entities are listed: EHLEBRACHT Kunststoff-Technik Vertriebsgesellschaft mbH (Enger, Germany), EHLEBRACHT GmbH + Co. KG (Enger, Germany), EHLEBRACHT BERLIN GmbH + Co. KG (Berlin, Germany), EHLEBRACHT SLOWAKEI s.r.o. (Michalovce, Slovakia), and ELEKTRA INDUSTRIAL CHINA Co., Ltd. (EIC) (Shenzhen, China). Each entity is accompanied by a small image: a globe with arrows for the first, a white building for the second, a modern glass building for the third, a brick building for the fourth, and a large industrial complex for the fifth. Under 'Furniture components', ELEKTRA GmbH (Enger, Germany) is listed with an image of a building featuring the ELEKTRA logo.

- ▶ **Production facilities:** in Germany (2x), in Slovakia (1x) and in China (3x)
- ▶ **Business divisions:**  
Moulds, Plastics technology and Lighting System

# Ehlebracht Group Global Presence

Legend:

▲ Headquarter Ehlebracht AG

● Production Site

Ehlebracht AG



Elektra Industrial China Co., Ltd. ; NanJing Branch



Elektra Industrial China Co., Ltd. ; SuZhou Branch



Ehlebracht GmbH & Co. KG



Enger Germany



Michalovce Slovakia

Ehlebracht Slowakei s.r.o.



NanJing China

SuZhou, China

ShenZhen China

Elektra Industrial China Co., Ltd.



Elektra GmbH





- ▶ **Plastic Injection Molding:**  
33 injection moulding machines: 20 ~ 700 tons  
-6x 20-300T 2K
- ▶ **Tool shop:** Tools maintenance & repair

## Components for lighting systems



Handle for vacuum cleaner



BEARING FLANGE FOR IMPACT DRILLING MACHINE



## Example: 2-Component Skid Dynamic Drive

### Ehlebracht support for the customer:

- Realization of the silver application in 2K rotary table technique
- Delivery of the final assembled and tested skid - ready to use
- Cost benefit of more than 20% compared to the painted solution

### Technological competence:

- 2K Rotary table tool and assembly concepts
- 2K Injection molding
- Components assembly



## Example: Pawl for cable drum

### Ehlebracht support for the customer:

- Realization of the full automatic part production (Inserting of the leaf spring by a robot system)
- Part function (exact catching) by achieving tiny tolerances

### Technological competence :

- Injection tools for metal inserts
- Metal insert injection molding
- Automatization by robot systems





- ▶ **Plastic Injection moulding:**  
35 injection moulding machines: 30 – 550 tons  
- 6x 2K and 1x 3K
- ▶ **Metal processing:** 8 – 160 tons
- ▶ **Tool shop:** New tool-making, Tools maintenance & repair



# EHLEBRACHT SLOWAKEI: products

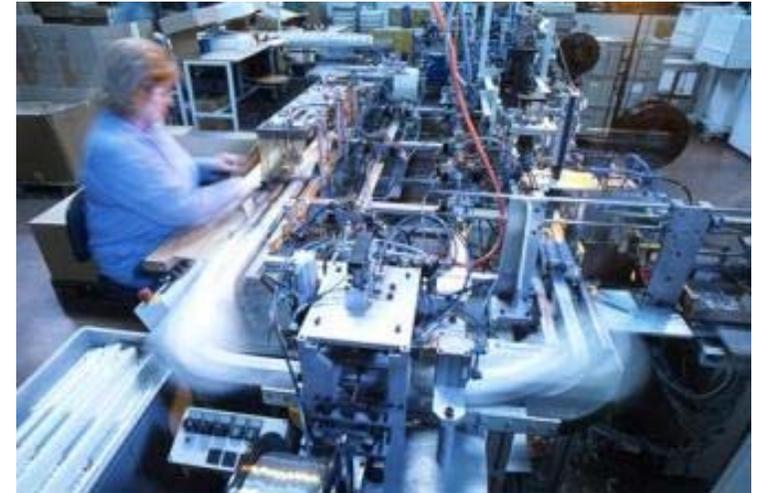


### Housings for Power Tools





- ▶ Luminaries and Lighting-Systems for furniture, retail and shop fitting
- ▶ Engineering and design for above listed business units with the major focus on luminaries and lighting systems



## Furniture Lighting system: Product samples



**Kitchen**



**Bathroom**



**Retail & shop fitting**



# WELCOME

## Presentation

### Elektra Industrial China Co.,Ltd.

An EHLEBRACHT Holding AG Enterprise

## EIC Data + Facts:

- **Foundation in China: 2004**
- **Location: Shenzhen; Suzhou; Nanjing**
- **Employees: 1200+**
- **Production area:**
  - 46,000 square meters in Shenzhen
  - 43,000 square meters in Suzhou
  - 3,500 square meters in Nanjing
- **Services:**
  - **Plastic injection moulding:**
    - 43 injection machines include 1K, 2K and Vertical type which clamp force range from 40-650T in EIC Shenzhen
    - 60 injection machines include 1K, 2K and Vertical type which clamp force range from 40-1000T in EIC Suzhou
  - **Assembly: Components assembly in EIC Shenzhen, Suzhou, Nanjing**
  - **Tool manufacture: Tool-making in EIC Shenzhen and Suzhou**
- **Certifications: IATF16949; ISO13485; ISO9001; ISO14001; ISO45001; AEO; UL; VDE; E1; CB; CE**
- **Patents: Invention (33 items); Utility Model (205 items); Design (57 item); Software (16 item)**

# EIC Main Customers (Examples)

## Automotive



Rosenberger

Fehrer



+GF+

## Appliances / Consumer

B/S/H/

Haier



GE Appliances

A.O. SMITH  
史密斯

Miele

## Healthcare

Dräger



WKK

PHILIPS

## Industrial



KESSEBÖHMER

Häcker  
kitchen.germanMade.

JABIL



Zollner

BDT

ZEBRA

# EIC R&D Capabilities:

At our site in China (EIC) , We have over 40 professional plastic and electronic design engineers with rich design experience in the Appliances, Lightings and other industrial fields, We have been providing reliable ODM services to our customers besides OEM services to satisfy customers' requirements.



# EIC Tooling Technologies:

At our site in China (EIC) own tool shop: Tooling technologies successfully introduced contain of e.g. **Stack Molds, Over-Molds, Insert-Molds, 2K-Molds and multi-cavity Molds.**

EIC tooling capacities are available for injection clamping forces up to 1000ton.

Stack Mold  
For customer:  
BOSCH-  
SIEMENS



Automotive  
Mold  
For customer:  
Audi-C7



# EIC Products for Industrial (Insert Mold examples)



# EIC Products for Industrial (2K and Overmold examples) 德仕 EIC



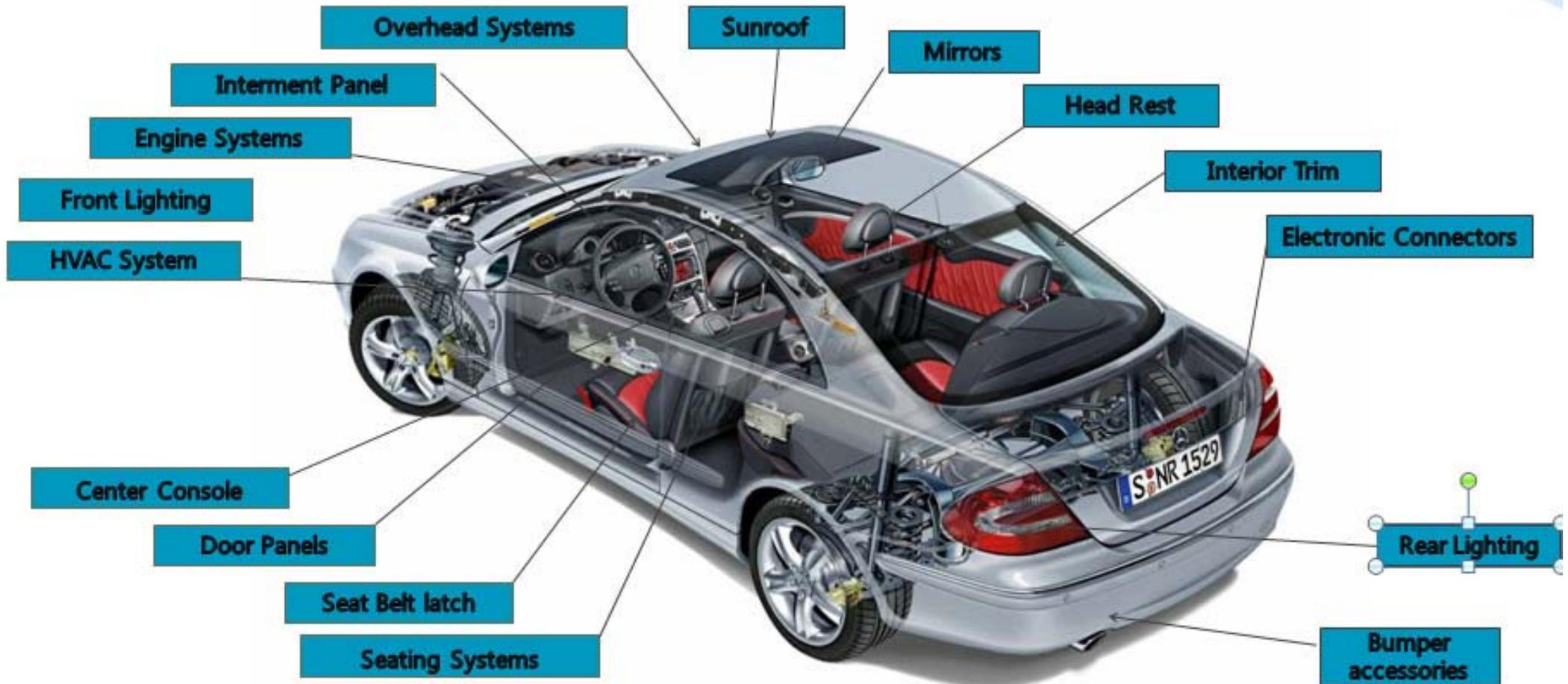
# EIC Products for Industrial (IMD/IML examples)



# EIC Products for Industrial (Examples)



# EIC Products for Automotive



Experience with most plastic automotive systems



Head Lens & Rear 2k Lens



Bezel & Reflector



Housing & Support





# EIC Tooling for Armrest and Storages



# EIC Tooling & Molding for Thermal System (Filter, frame grid, tank, tube, etc.)



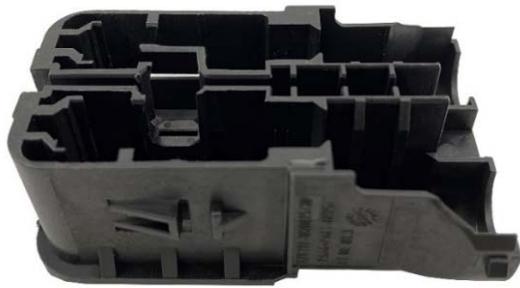
德仕 EIC



# EIC Tooling & Molding for (Airconditioning, Cable channel, Engine cooling etc.)









Belt buckles & Connectors



Seats adjusting knobs



Adjust Component

Cable Housing



Row Handle

# EIC Products for Appliances/Consumer (Examples)



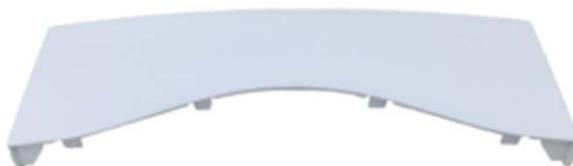
Control Panel



Detergent Dispenser  
+  
Water tank



Window Door Kit



Kick Panel + Flap



# EIC Products for Appliances/Consumer (Examples)



# EIC Products for Healthcare (Examples)



# EIC Products for Components Assembly (Examples)



# EIC Factory Tour (ShenZhen)



# EIC Factory Tour (ShenZhen)



# CNC Room



MAKINO CNC



DMG 5-Axis CNC



MAZAK CNC



FANUC CNC

# EDM Room



AgieCharmilles EDM



AgieCharmilles EDM

# Wire Cutting Room



Sodick Wirecutting



AgieCharmilles Wirecutting

## Mold Fitting Machine



## Depth Drill Gun Machine



## Mold Fitting area

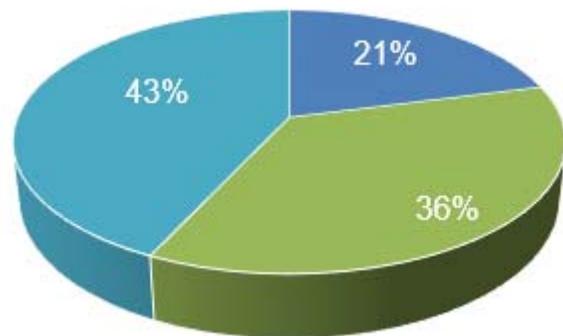


## Mold Quality Inspection area



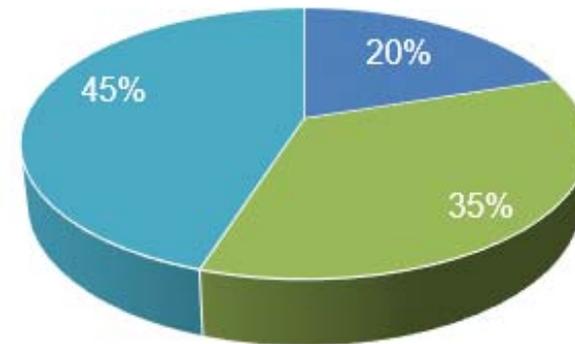
- EIC Yearly New Tools Capacity: around 400 sets

EIC New Tools Delivery Distribution in 2023



■ Local Market ■ USA ■ Europe

EIC New Tools Industry Classification in 2023



■ Household Appliance Ind. ■ Automotive Ind. ■ Other Ind.

43 sets of injection machines range from 40T to 650T



## System and Components Assembly Area



## SMT Room



## Printing Room

Silk printing · Pad printing · Hot stamping



## Lathe Machine Room



# EIC Suzhou Branch Factory





60 sets range from 40T to 1,000T



10 Toshiba (50, 100, 130, 180, 1000T)

3 Engel (220T 2K, 80T Vertical)



## 100,000 (ISO 8) Level Clean Injection Room





## System and Components Assembly Area: 4000 m<sup>2</sup>

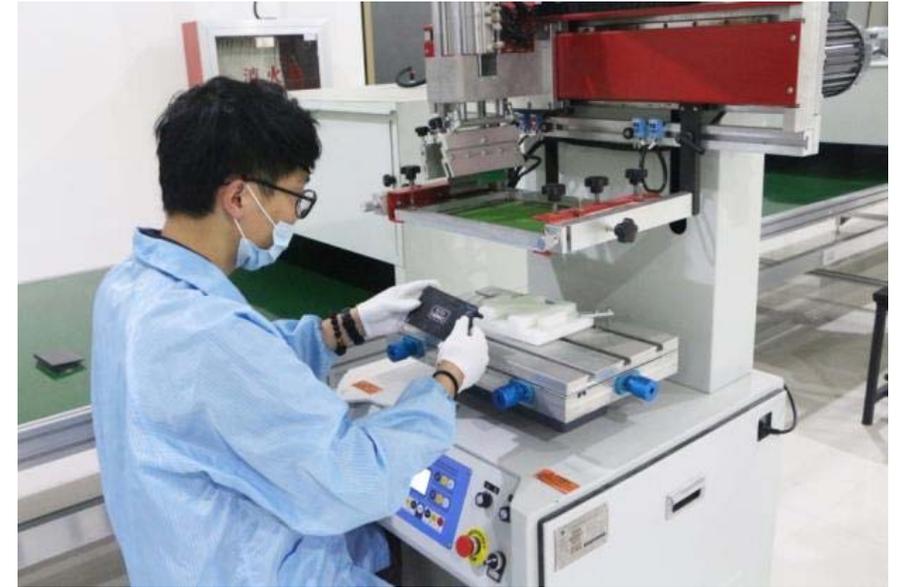


# EIC Suzhou Branch Factory=>Assembly Shop

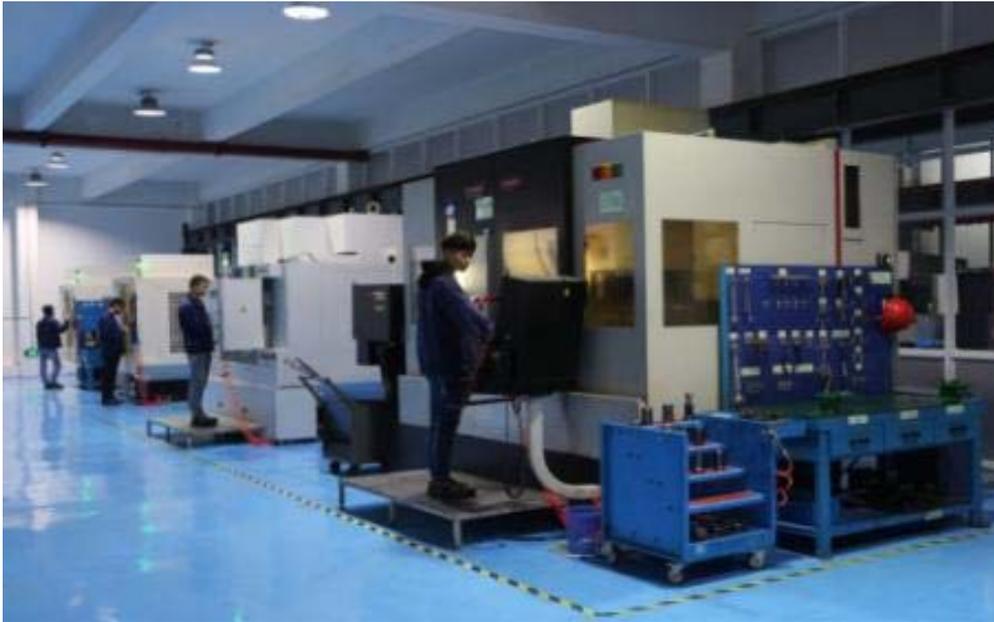


## Printing Room

Silk printing · Pad printing · Hot stamping



# EIC Suzhou Branch Factory=>Tooling Shop



FANUC CNC



AgieCharmilles and SODICK Wirecut

# EIC Suzhou Branch Factory=>Tooling Shop



# EIC NanJing Branch Factory

Production & Stock Area: 3500 m<sup>2</sup>



**J.I.T. Deliver directly to BOSCH / SIEMENS Assembly Line; Logistic: Supermarket Concept**





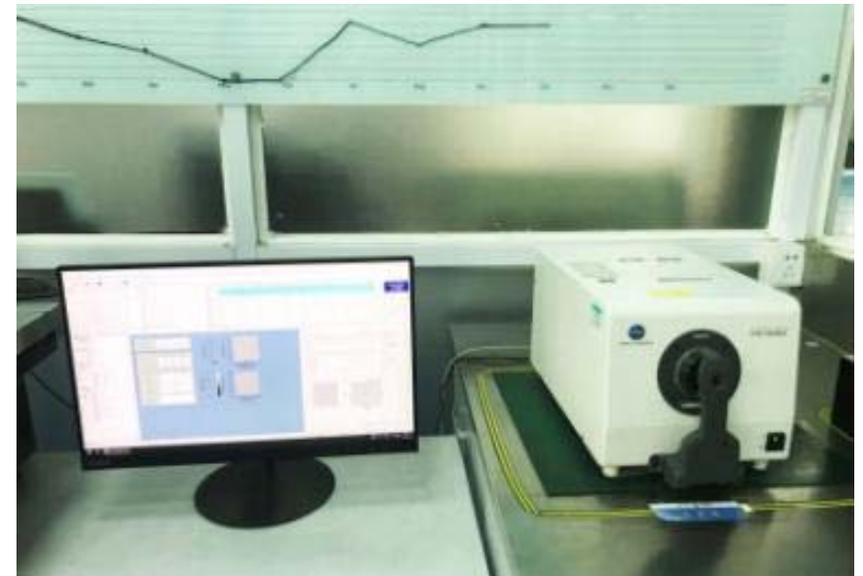
## 3D Measuring Instrument



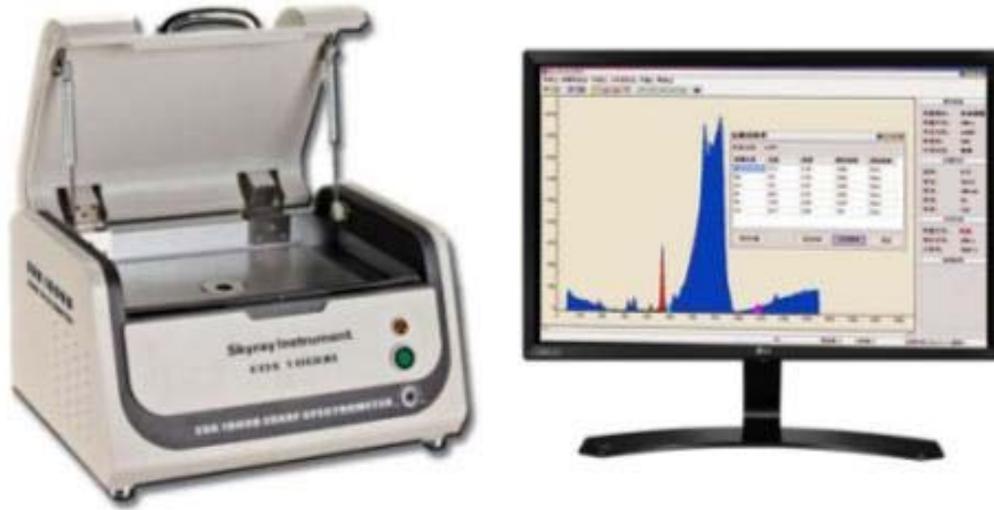
## 3D Scanner (GOM ATOS III TS)



## Color Meter



**Spectrometer ( RoHS measuring instrument)**



**Metallographic Specimen Meter**



**Melt Flow Index Tester**



**X-ray Meter**



**Thickness Meter**



**Glossy Meter**



**Frictionometer**



**FT-IR Spectrometer**



**Salt Mist Test Machine**



**Moisture Analyzer**



**PH Meter**



**High Voltage Tester**



**Standard Light Booth**



### LED Combined Spectrum Analysis Meter



### Illuminometer



### Temperature&Humidity Chamber



### Flame Retardant Tester



### Muffle Furnace Ash Tester



### Height Gauge



### Hardness Tester



## IATF16949



## ISO9001



## ISO45001



## ISO14001



## ISO13485



You are interested in our products? You have questions regarding our company?  
Please let us know. We look forward to receive your message!  
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**Thank you!**