

WELCOME

Presentation of EHLEBRACHT Group

EHLEBRACHT GRUPPE
*In Ostwestfalen zuhause -
weltweit aktiv!*



Plastics technology

EHLEBRACHT Kunststoff-
Technik Vertriebsgesell-
schaft mbH, Enger,
Germany

EHLEBRACHT
GmbH + Co, KG, Enger,
Germany

EHLEBRACHT SLOWAKEI
s.r.o., Michalovce,
Slovakia

ELEKTRA INDUSTRIAL
CHINA Co., Ltd. (EIC),
Shenzhen, China



Furniture components

ELEKTRA GmbH,
Enger, Germany



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

Ehlebracht Group Global Presence

Ehlebracht AG



Ehlebracht GmbH & Co. KG



Elektra GmbH



Elektra Industrial China Co., Ltd. ; SuZhou Branch



Elektra Industrial China Co., Ltd. ; NanJing Branch



Elektra Industrial China Co., Ltd.



Ehlebracht Slowakei s.r.o.



ENGEL, DE
Headquarter

KOŠICE, SK

SUZHOU, CN

NANJING, CN

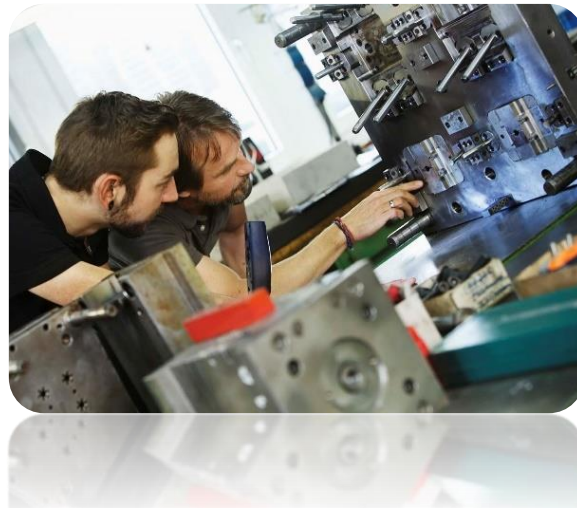
SHENZHEN, CN

EHLEBRACHT GmbH + Co. KG, Enger



Plastic injection molding: 36 injection moulding machines: 20 ~ 700 tons-6x 20-300T 2K.

Tool shop: Tools maintenance & repair



Power Tools 2k / 3k



Household

EHLEBRACHT ENGER: products

Components for lighting systems



Handle for
vacuum cleaner



Bearing flange for
impact drilling machine



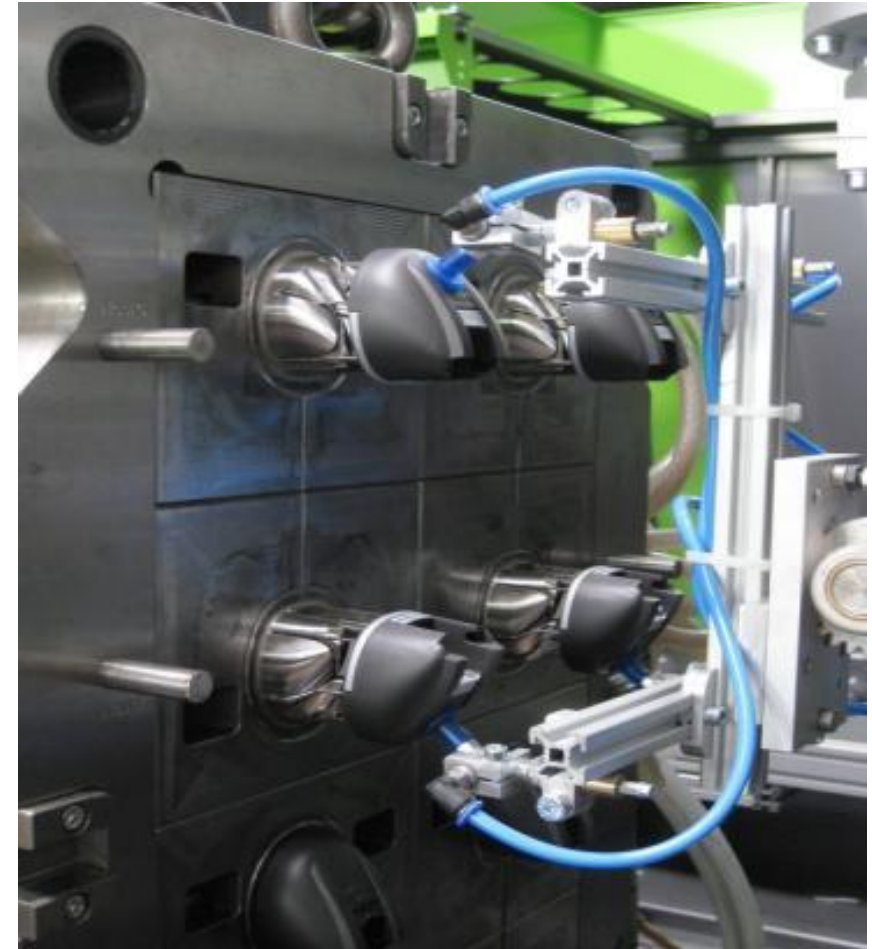
Example: 2-Component Skid Dynamic Drive

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 :

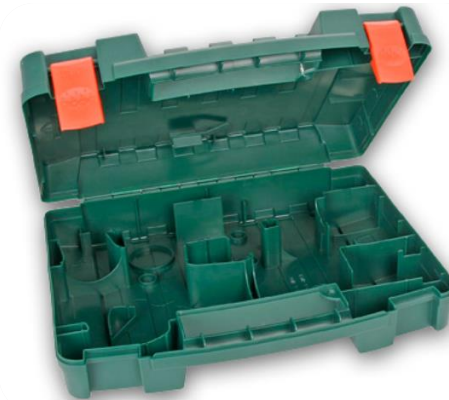
- Injection tools for metal inserts
- Metal insert injection molding
- Automatization by robot systems



EHLEBRACHT SLOWAKEI s.r.o., Michalovce



Plastic injection molding: 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



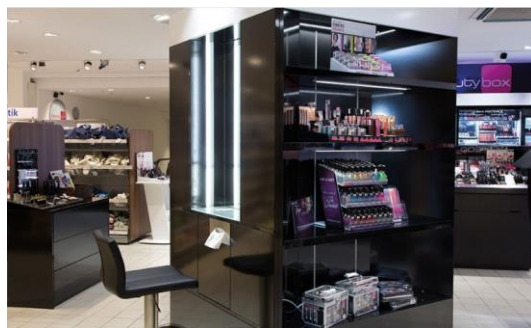
Using the 3K injection molding process, we produce the actual components with the first two components and then apply the brand lettering with the third component.



Portfolio of services: light and functional technology, LED-lighting systems, development and construction of light and electronic components, controls, connector systems, LED-driver, electrical and plastics assemblies, project management, electrification systems, OEM-production



Furniture Lighting Systems



Systems for Interior Design/Shop Fitting



OEM services



Plastics assemblies

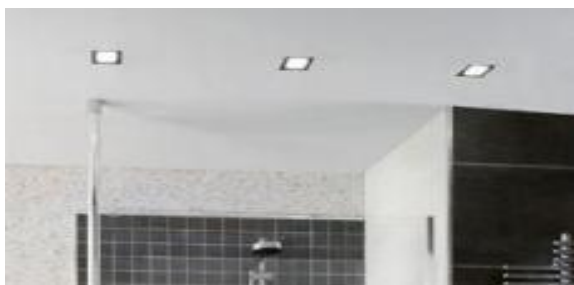
Furniture Lighting system: Product samples



Kitchen



Bathroom



Retail & shop fitting



WELCOME

Presentation

Elektra Industrial China Co.,Ltd.

An EHLEBRACHT Holding AG Enterprise

Elektra Industrial China Co., Ltd.

Foundation in China: 2004

Location: Shenzhen; Suzhou; Nanjing

Employees: 1000+



Production area:

46,000 m²
in Shenzhen

43,000 m²
in Suzhou

3,500 m²
in Nanjing

Services:

Plastic injection molding
in Shenzhen / Suzhou

Tool manufacture
in Shenzhen / Suzhou

Assembly
in Shenzhen / Suzhou / Nanjing

Main Equipment:

102 (1K, 2K and Vertical)
Injection Machines

109
Tools Machines

30
Assembly lines

Patents: 332

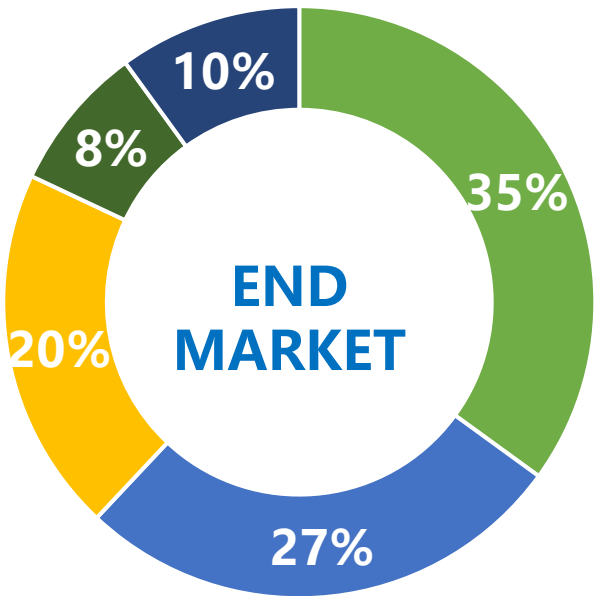
31
Invention

69
Design

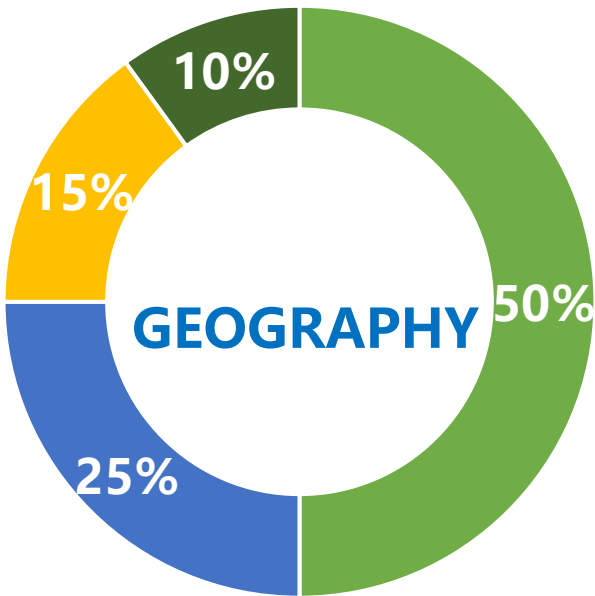
223
Utility Model

17
Software

EIC Business Overview



■ Appliance ■ Automotive ■ Industrial ■ Healthcare ■ Others



■ China/Asia ■ Europe ■ USA ■ Others

EIC Main Customers (Examples)

Automotive



Rosenberger

Fehrer



+GF+

Appliances / Consumer

B/S/H/

Haier



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.



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.

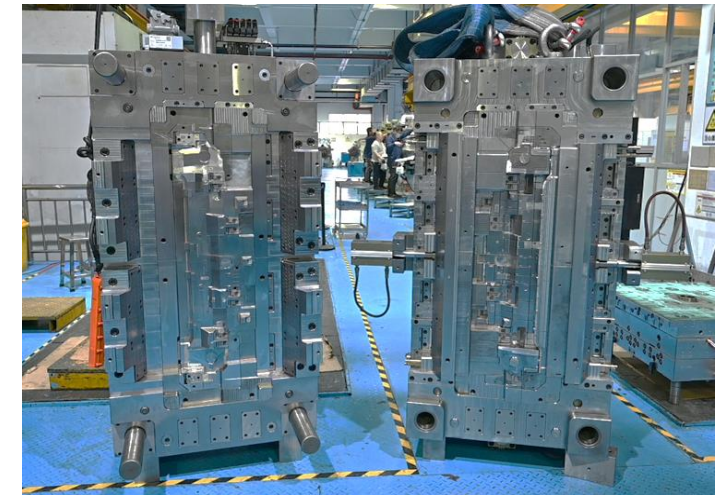
Stack Mold For customer: BOSCH-SIEMENS

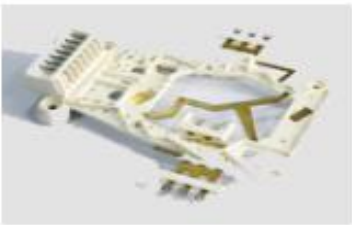


Automotive Mold For customer: Audi-C7

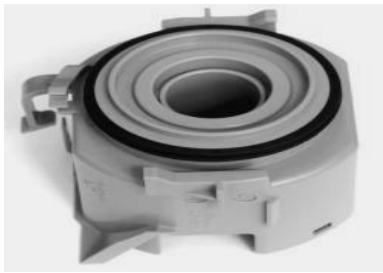
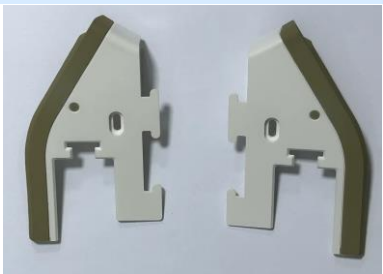


Automotive Mold For customer: AMG C590



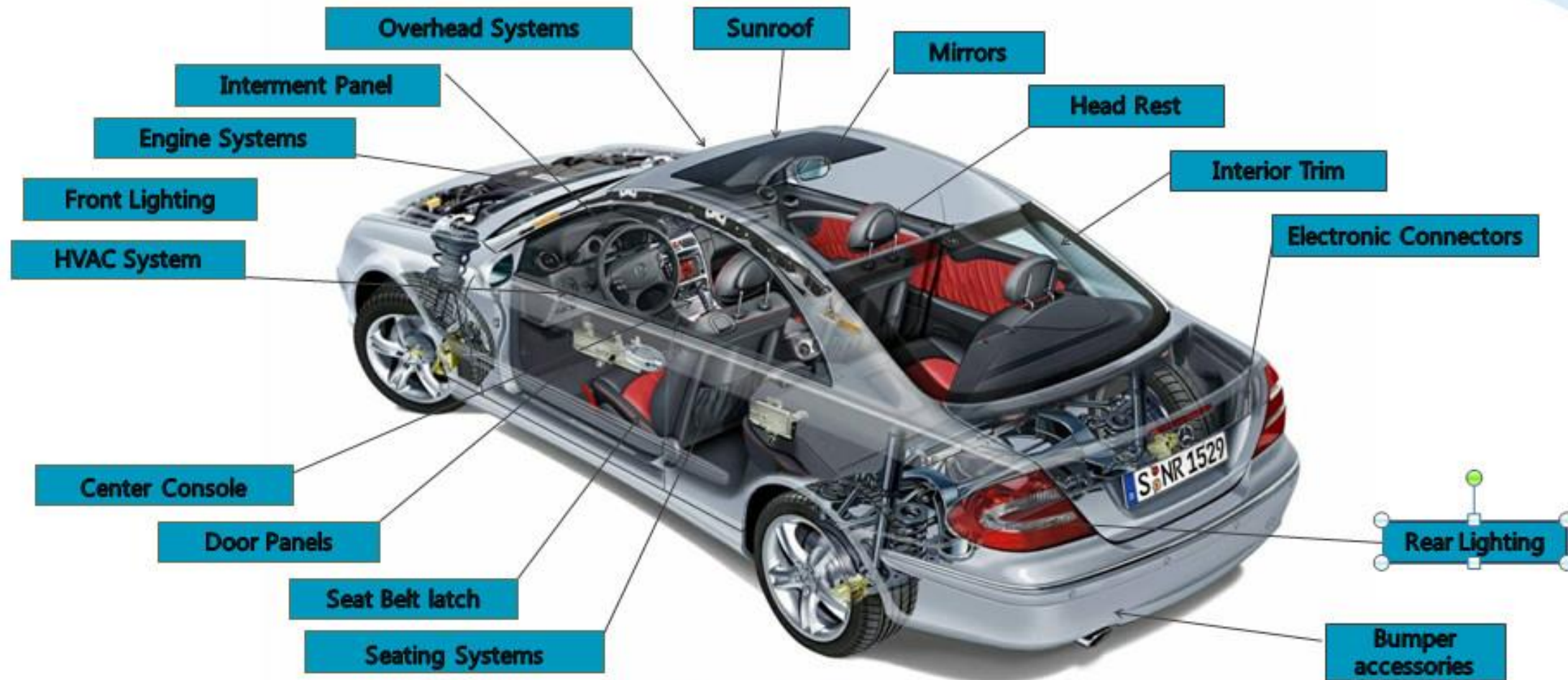


EIC Products for Industrial (2K and Overmold examples)









Experience with most plastic automotive systems



Head Lens & Rear 2k Lens



Bezel & Reflector



Housing & Support





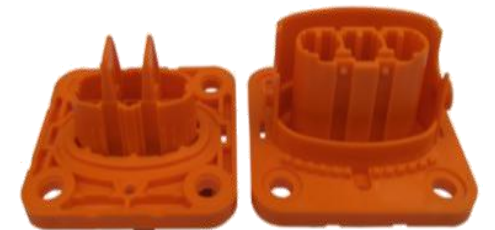
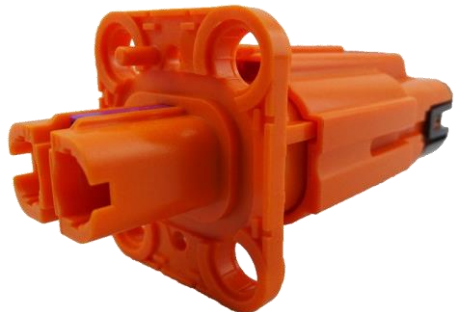
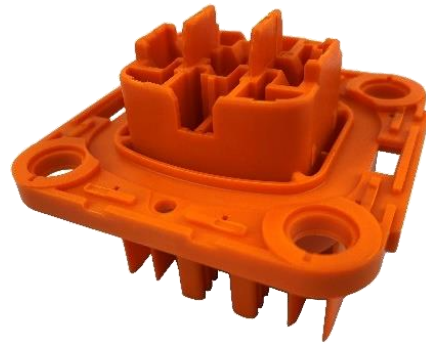
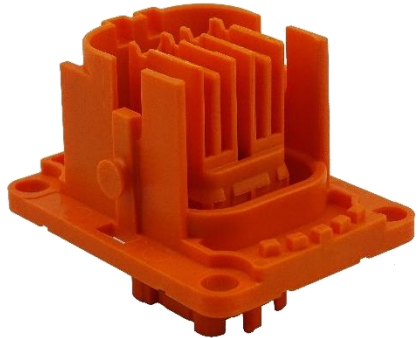


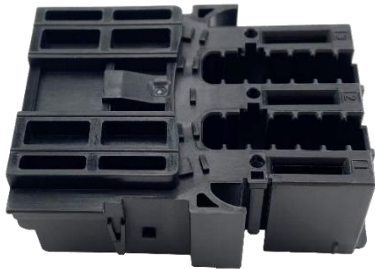
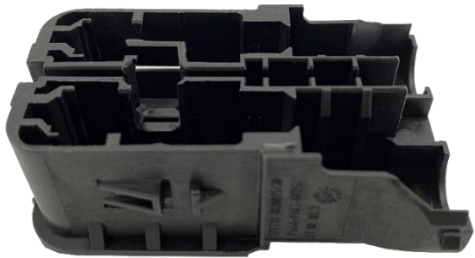
EIC Tooling & Molding for Thermal System
(Filter, frame grid, tank, tube, etc.)



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





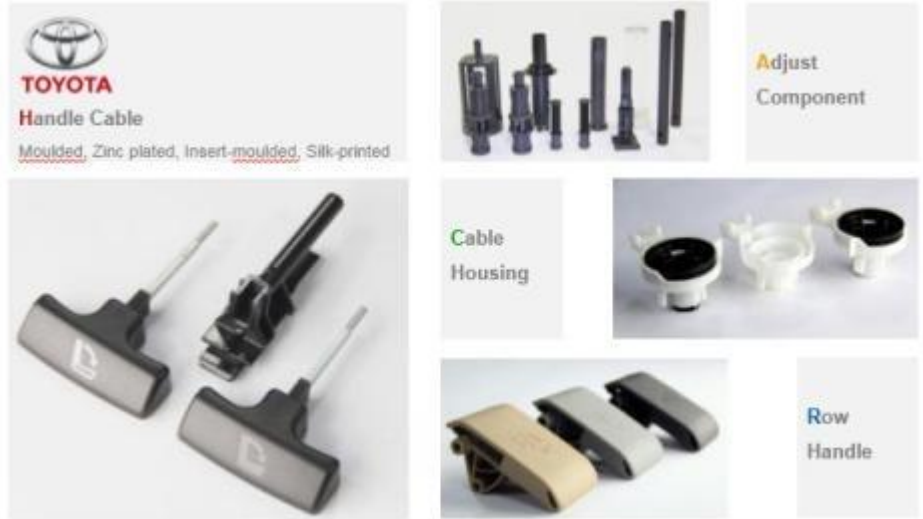


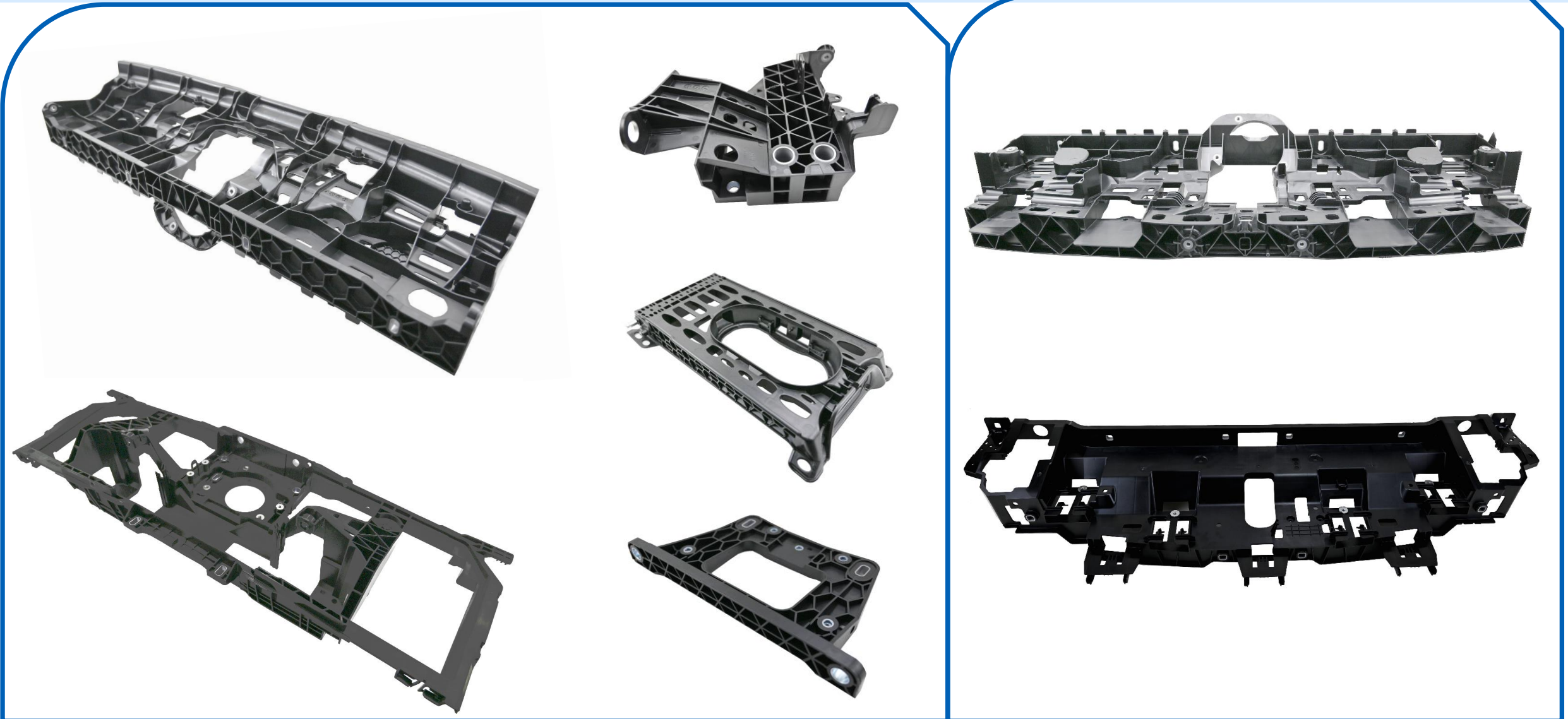


Belt buckles
& Connectors



Seats adjusting knobs







Control Panel



Detergent Dispenser
+
Water tank



Window Door Kit



Kick Panel + Flap



EIC Products for Appliances/Consumer (Examples)









CNC Room



MAKINO CNC



DMG 5-Axis CNC



FANUC CNC



MAZAK CNC

EDM Room



Wire Cutting Room



Sodick Wirecutting



AgieCharmilles Wirecutting

Mold Fitting Machine



Mold Fitting area



Depth Drill Gun Machine

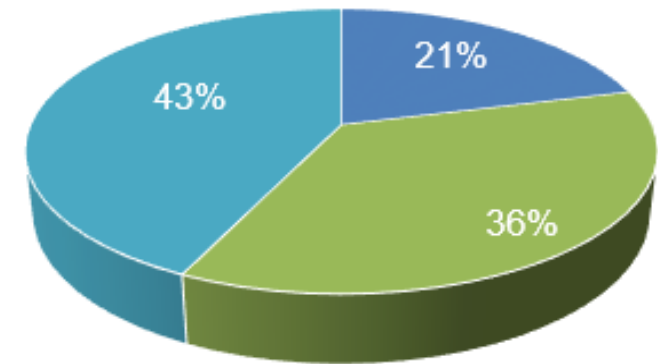


Mold Quality Inspection area



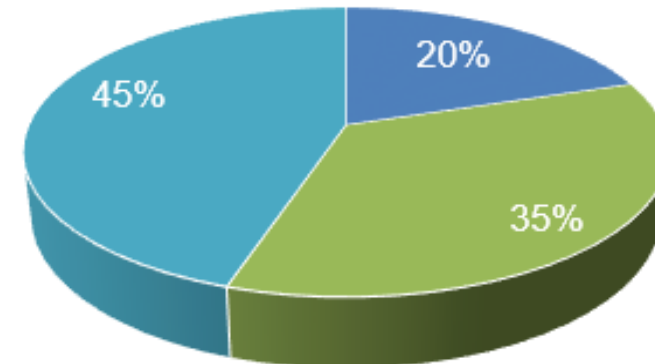
- EIC Yearly New Tools Capacity: around 400 sets

EIC New Tools Delivery Distribution in 2024



■ Local Market ■ USA ■ Europe

EIC New Tools Industry Classification in 2024



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



43 sets of injection machines range from 40T to 650T,
All injection machines are equipped with robot arms to achieve fully automated production.





System and Components Assembly Area



SMT Room



Printing Room

Silk printing · Pad printing · Hot stamping



Lathe Machine Room



Fully Automatic Terminal Pressing Machine



LED Strip Splitting Machine



EIC Suzhou Branch Factory



EIC Suzhou Branch=>Injection Shop



59 sets range from 40T to 1,000T



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



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

100,000 (ISO 8) Level Clean Injection Room



EIC Suzhou Branch Factory=>Central Material Supply System



EIC Suzhou Branch Factory=>Assembly Shop



System and Components Assembly Area: 4000 m²



EIC Suzhou Branch Factory=>Printing Shop

Printing Room

Silk printing · Pad printing · Hot stamping



EIC Suzhou Branch Factory=>Tooling Shop



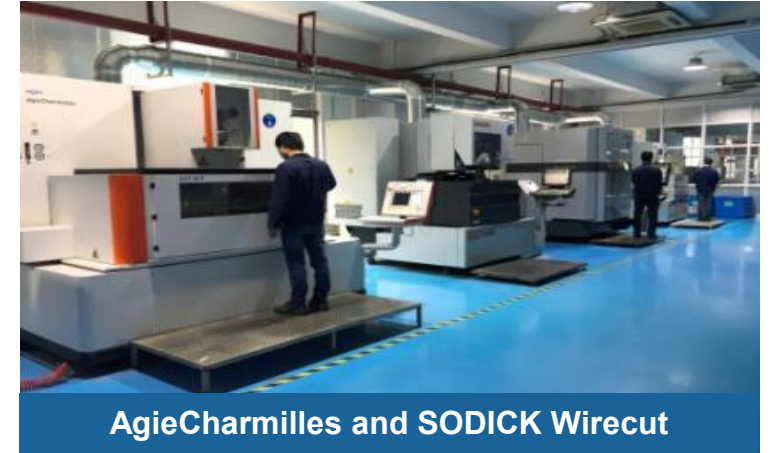
EIC Suzhou Mold Making is well equipped with many advanced machines which are imported from Switzerland, Germany and Japan, such as Fanuc, Mazak and Makino CNC, AgieCharmilles and Sodick Wirecut and EDM machines etc.



Mazak CNC



FANUC CNC



AgieCharmilles and SODICK Wirecut

EIC Suzhou Branch Factory=>Tooling Shop





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

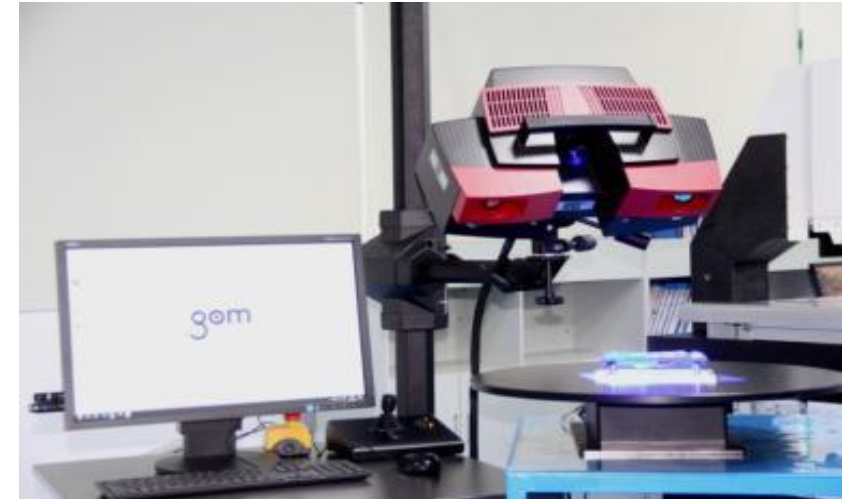




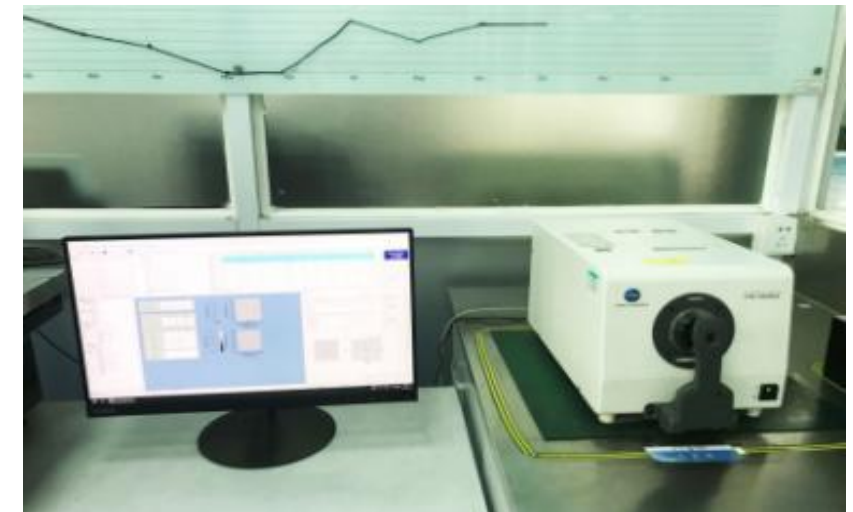
3D Measuring Instrument



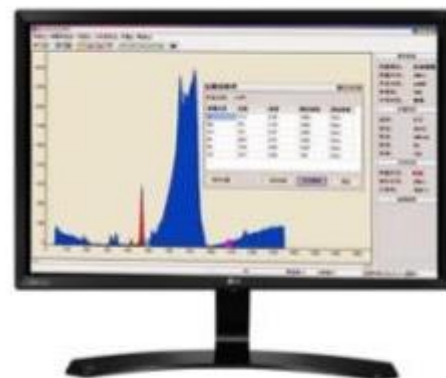
3D Scanner (GOM ATOS III TS)



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



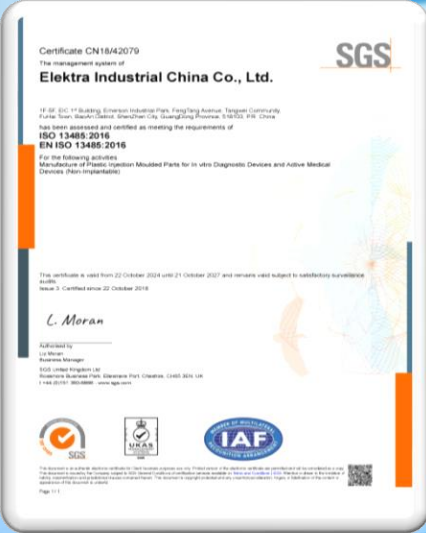
ISO certification



IATF16949



ISO9001



ISO13485



ISO14001



ISO45001

You are interested in our products? You have questions regarding our company?
Please let us know. We look forward to receive your message!
Here you can find our contact details:

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Thank you!