



*Keeping Our Customers
Successful*



42+ years

Founded in 1983

4000+

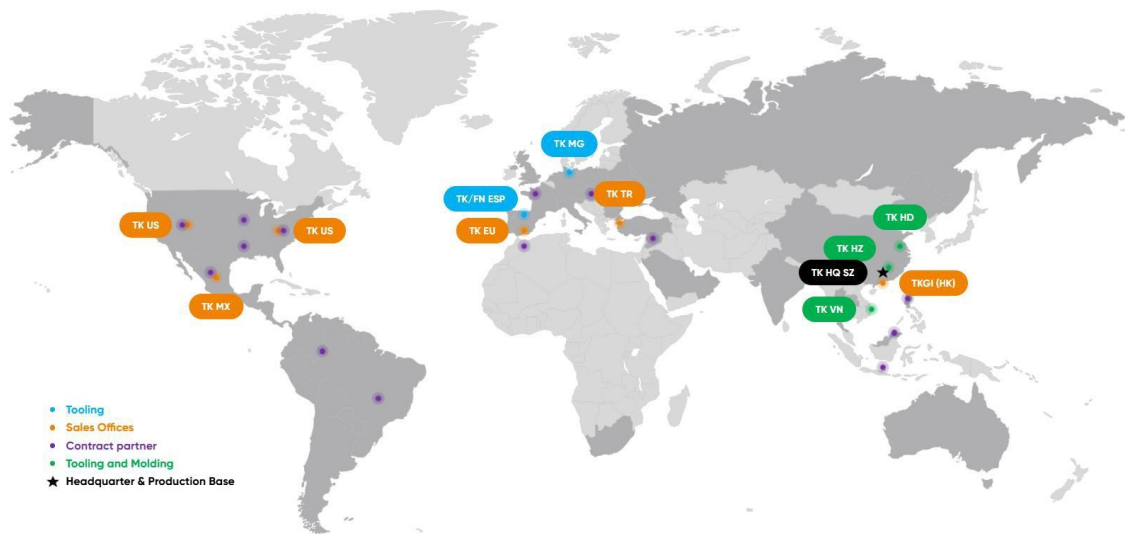
Employees of Group

1000+

Employees for tooling business

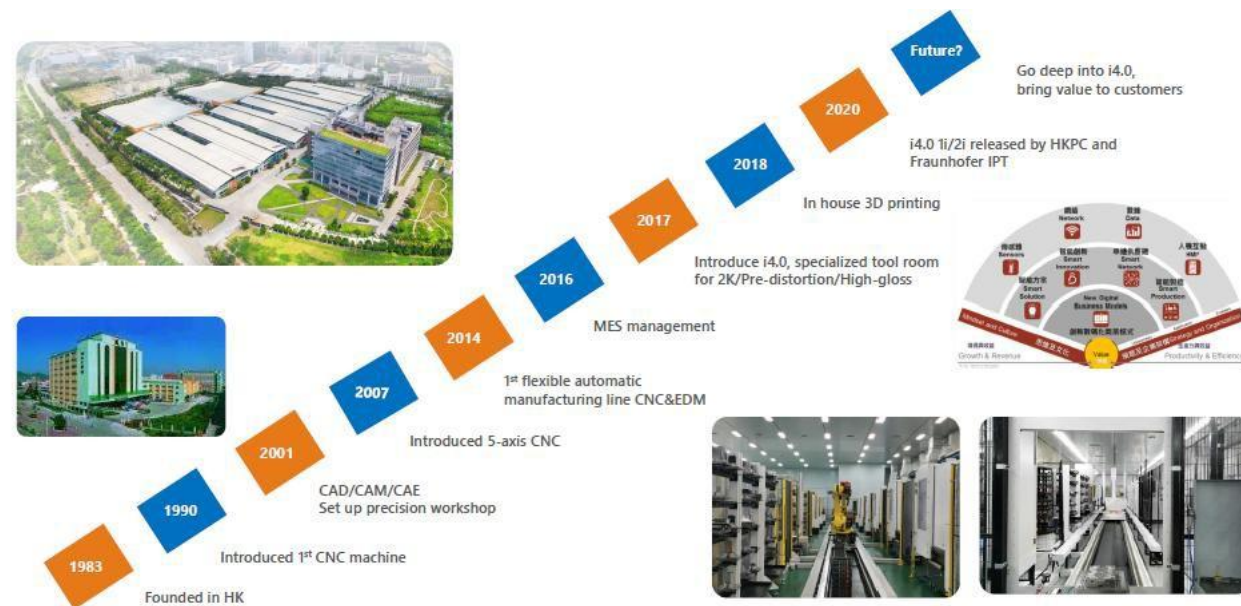
2000+ tools

Annual capacity



Who is TK Mold?

TK Mold is a great toolmaker located in Shenzhen, China, founded 42 years ago with global presence with +4000 employees around the world. TK offers annual capacity of +2000 molds per year using high technology working on Industry 4.0



Pre-distortion Parts



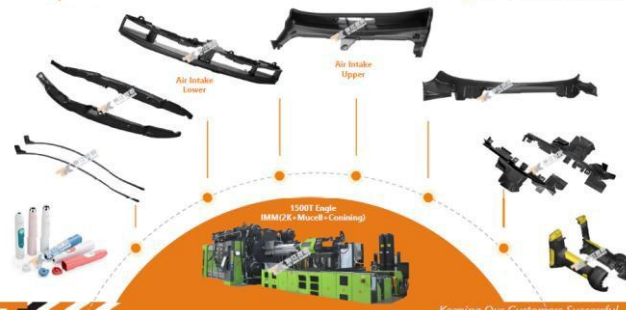
Keeping Our Customers Successful

Class-A surface parts



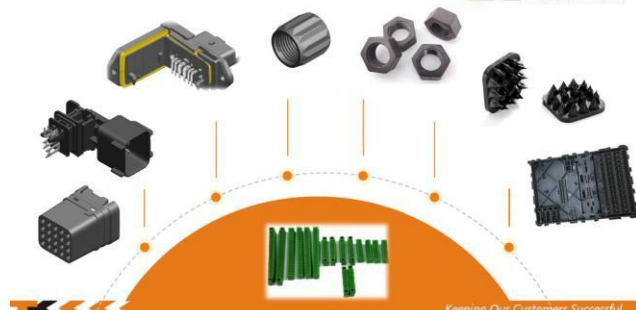
Keeping Our Customers Successful

2K/3K Parts



Keeping Our Customers Successful

Connector



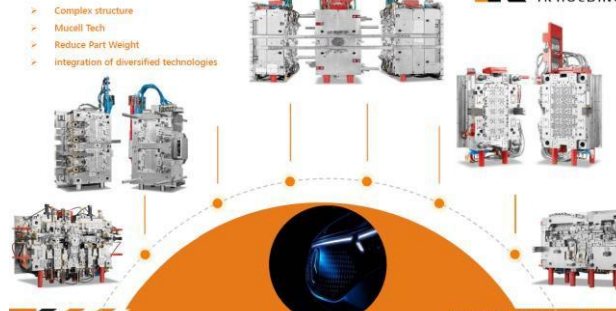
Keeping Our Customers Successful

Extra-large Parts



Keeping Our Customers Successful

Special Tech



Keeping Our Customers Successful

What TK Mold can do?

- ❑ **Predistortion Parts**
 - Eng Reverse & Predict by Moldflow
- ❑ **2K / 3K Molds**
 - Rotary Platen, Core-Back, Core-Index, Pick&Place
- ❑ **Extra Large parts**
 - Big Size tools running 1800T - 3500T Machines
- ❑ **High Gloss and Mirror finish surfaces**
 - Lighting parts, Coating Parts, CERO PL
- ❑ **Innovate in emerging Tech Molds**
 - RHCM, IML, IME
- ❑ **Accurate Electrical connectors Insert-Overmolded**
 - Pick `n Place Inserts, Vertical Machines
- ❑ **Special Tech Molds**
 - Stack Molds, Mucell Process, CCB
- ❑ **Home appliance**
 - Washer machines, Refrigerators, Coffee maker



ISO 9001

2023.2.25-2026.2.24



ISO 45001

2022.12.24- 2025.12.23



ISO 14064-1:2018

Since 2025.02.21



ISO 14001

2022.12.16-2025.12.15



AEO Advanced

Since 2020.09.11



Ecovadis

Committed Reward

MANN+HUMMEL



PHILIPS

FORVIA

MANN HUMMEL
Award For
Supplier Excellence
2014/2016/2017 /2024

Yanfeng
Award For
Supplier Excellence
2016/2017/2018

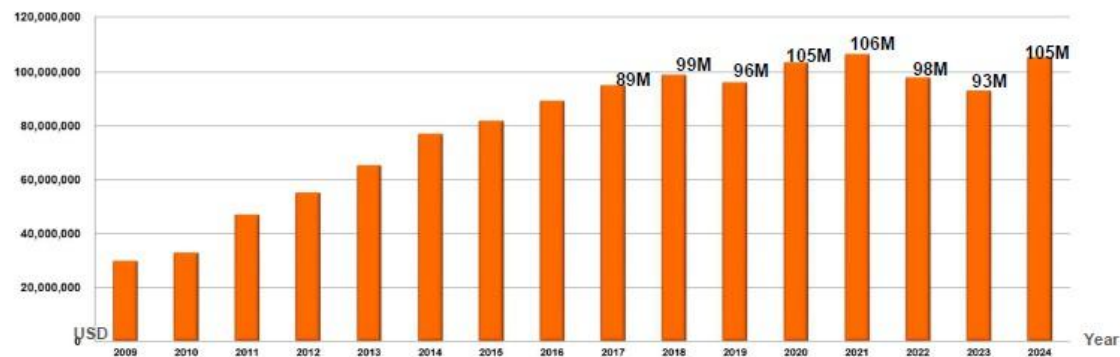
PHILIPS
Award For
Sustainability Improvement
2020 & 2021

FORVIA
Award For
International Strategic Supplier
2016



Why trust in TK Mold?

TK Mold has the highest international certificates that demonstrate the trust and recognition of the most important companies in the automotive and household appliances industry and is reflected in a business stability with a turnover of more than 100 million dollars.



Tooling Facilities-Equipment

Major Machines	Qty
CNC Milling Machine	126
Milling Machine	21
5-Axis (4+2)-Axis CNC Milling Machine	8
EDM Machine	54
EDM Wire-cut Machine	16
Grinding Machine	53
CNC Jig grinder	2
Die Spotting Machine	6
EDM Hole Drilling Machine	2
Gun Drilling Center (inc 5-Axis)	5(2)
Lathe	6
Mold Reversal Machine	6
CMM	20
VMM+OGP	5
IMM for test (inc 2k)	15(5)



Travel range: 3.2mX3.0mX0.8m



Travel range: 2.5mX1.5mX1.5m



Travel range: 3.0mX2.0mX1.3m



Travel range: 1.3mX1.0mX0.7m



Industry 4.0 Factory



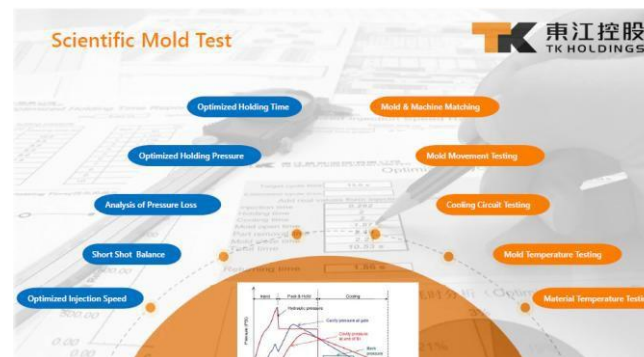
Why choose TK Mold?

1. Great Capability in equipment and Facilities
2. High Quality & Management
3. Innovate Engineering
4. After Sales

Project Management



Scientific Mold Test



IT REFLECTS IN

- Competitive Price
- Lead time achievement
- Low Risk Failures
- Warranty

Quality Control



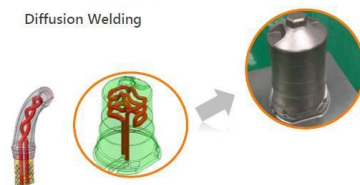
Conformal Cooling



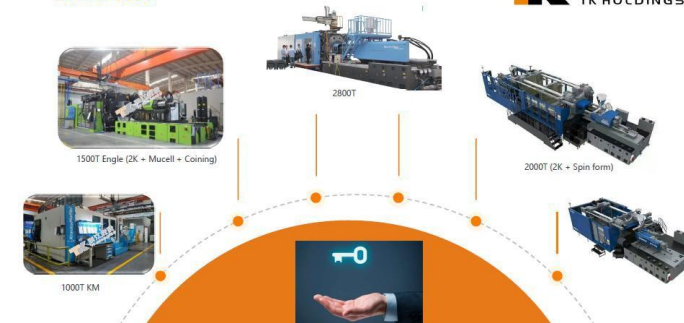
3D Printing

- In house by 3D System DMP 350
- Raw material: 3D5 Laser Form, Maraging steel 1.2709
- Hardness: As built HRC 33-37, Age hardened HRC 50-56
- Surface roughness: Rz up to <math><0.5\mu\text{m}</math>, polish to SPI A2
- Cycle time reduction of 35%
- Print size: LxWxH 275*275*420mm

Diffusion Welding



Mold Test



Quality Control



- SYSTEM**
- ISO 9001:2015 / ISO 14001:2015
- PROCESS**
- Incoming material checking
 - IPQC / QC
 - Samples QC & Report
 - Final mold validation
- EQUIPMENT**
- 18 sets CMM + 2 auto lines
 - 5 sets ODP & VMM
 - 3D Scanner-GOM ATOS 5
 - 1 spectrometer + 8 Hardness testers



Keeping Our Customers Successful

Conformal Cooling



3D Printing

- In house by 3D System DMP 350
- Raw material: 3DS Laser Form, Maraging steel 1.2709
- Hardness: As built HRC 33-37; Age hardened HRC 50-56
- Surface roughness: Rz up to <0.5um, polish to SPI A2
- Cycle time reduction of 35%
- Print size: LxWxH 270x275x420mm

Diffusion Welding



Keeping Our Customers Successful

Bring Your Eyes to TK MOLD



Remote Support by AR RealWear

- Mold Design & DFM Review
- Project Process Tracking
- Mold Trial-out
- Samples & Fitting Inspection
- Virtual Validation of Mold



Keeping Our Customers Successful

Supply Chain



Keeping Our Customers Successful

Mold Testing Center



Clamping Force	Brand	Robot	Visible water flow	2 nd Shot	Remarks
25T	Bühlerfeld		YES		
100T-3	JSW/Fanuc/ Arburg	2	YES		Arburg LSR material
150T	Fanuc	1	YES		
200T	Mitsubishi	1	YES	1	Rotation Table L Type(2K)
250	Krauss- Maffei	1	YES	1	Rotation Table L Type(2K)
280T	JSW		YES		
300T	Nissei Synergy		YES	1	Rotation Table L Type(2K)
400T	NEUSKY		YES		High Speed
450T	JSW		YES		
500T	Netstal Synergy	1	YES	1	Rotation Table L Type(2K)
600T	JSW		YES		
1000T	Krauss- Maffei	1	YES		
1500T	ENGEL	1	YES	1	Rotation Table L Type(2K)

Keeping Our Customers Successful

Transportation Solution



By Air/ Boat/ Railway/ International MT Service



- Delivery Content
- Vacuum packing
 - Turn-Key deliver
 - Certification
 - Documents

Keeping Our Customers Successful

How can TK Mold guarantee?

- Quality Control
- Best worldwide trustable suppliers of steel, components, machinery and hot runner.
- Enough own machinery to Trial internally.
- Own conformal cooling by 3D Sinter Laser Machine.
- Remote trial events on live.
- Logistic support for transportation
- After sales service

Global 2nd Stage Support



Keeping Our Customers Successful

Thank You!



Website : www.tkmold.com