

YOUR CHOICE MANUFACTURER OF
CRITICAL PRECISION
METALLIC COMPONENTS



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China Fineblanking Technology Co., Ltd.
CFTC Precision (JIA-XING) Limited



**PRECISION
SOLUTION**

Group Profile

About CFTC

Cultivate talents 、 Enhance customer service
It's not just a slogan, it must be implemented
in actual actions
In the future, the core spirit will be continue

Core Value



1 Exclusive Technology

High market share of existing product lines
Exclusive R&D and manufacturing technology and equipment



2 Resource Integration

Upstream and downstream manufacturers share a good strategy
Integration of real estate, government, and academic resources



3 GreenTech

Green Company Awareness
Waste Disposal Professional

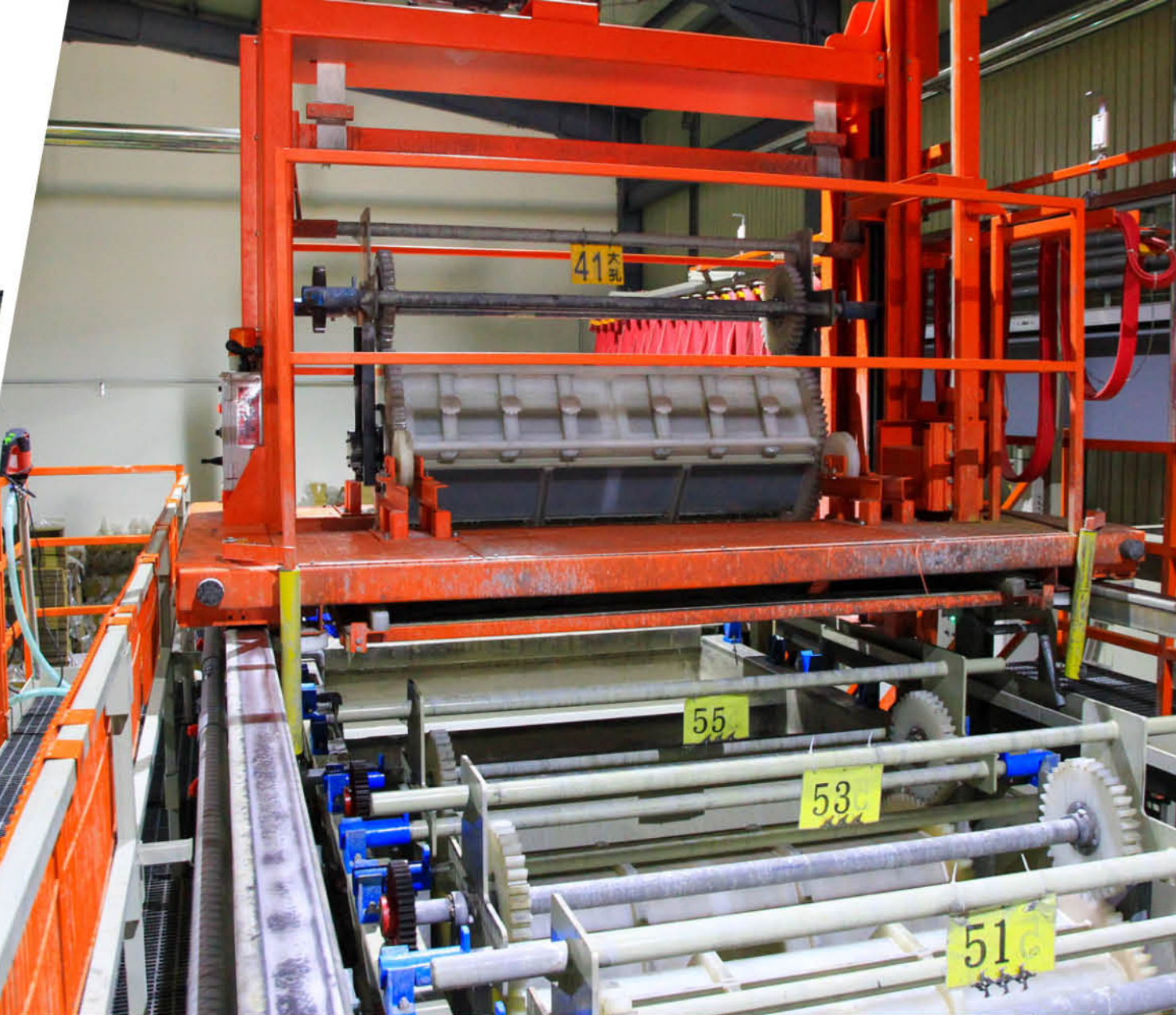
Quality System Group Certification



History CFTC

- | | | | |
|------|--|--|---|
| 1992 | • CFTC is established | 2017 | • CFTC Jiaxing-Won the rating of "AAA Credit Enterprise" by China Forging Association |
| 1994 | • Started produce hard disk drive parts | • CFTC Jiaxing-Won the Danfoss Group "Excellent Supplier Award" | |
| 1997 | • Import ERP system, enter data, risk, cost, inventory management | • CFTC Taiwan-Won the "Excellent Development Supplier Award" from SRAM | |
| 2001 | • Malaysia factory established | 2018 | • CFTC Taiwan-Started compiling and publishing ESG corporate sustainability report |
| 2002 | • CFTC Jiaxing Factory established | 2019 | • CFTC Jiaxing-Expansion of fifth workshop |
| 2005 | • CFTC Taiwan-TS 16949 Certification Approved | 2021 | • Invest at Taiwan Chuansing Industrial Park and to set up full process production line |
| | • CFTC Jiaxing-TS 16949 Certification Approved | • CFTC Jiaxing-Won the "Stamping Parts Quality Award" of China Forging Association | |
| 2009 | • CFTC Taiwan-Listed on the Taiwan OTC stock market | 2022 | • CFTC Jiaxing-Won the "Excellent Supplier Award" from IMASEN |
| 2012 | • Developing AOI technology (Automated visual inspection system) | • CFTC Jiaxing-Won the "Excellent Supplier Award" from EATON | |
| 2014 | • Passed the ISO/TS 16949:2009 group certification | 2023 | • CFTC Jiaxing-Won the "Excellent Supplier Award" from BorgWarner |
| 2015 | • CFTC Jiaxing-Been the tier 1 supplier certification of Volkswagen | 2024 | • CFTC Jiaxing-Won the "Forging Quality Award" of China Forging Association |
| | • CFTC Taiwan-Won the Ministry of Economic Affairs excellent export manufacturer of the 18th "Rising Star Award" | • Preparing for ISO 14064-1/50001/ESG certification | |
| 2016 | • Publish the Corporate CSR Social Responsibility Report | | |
| | • CFTC Jiaxing-Won the "Forging Quality Award" of China Forging Association | | |

Technological Competence



Tooling Design and Development

- Mold Forming Analysis
- Wire-cutting
- CNC
- Electrical Discharging
- Flatness grinding
- Jig Grinding

Stamping

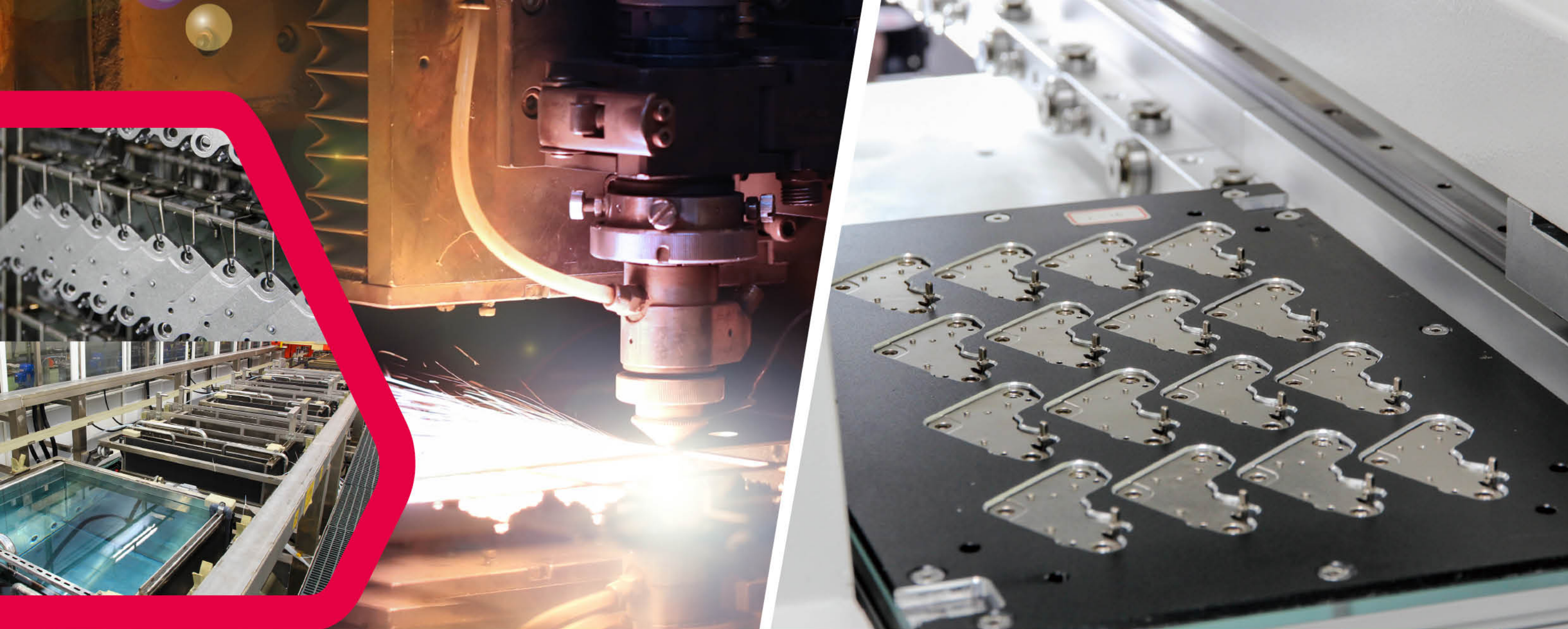
- Fine blanking
- Normal stamping
- Servo transfer stamping
- Auto De-burring
- Tapping

Tumbling

- Automatic Tumbling line

Precision Grinding

- Double side grinding
- Vertical Double side grinding
- Horizontal Double side grinding



Heat Treatment

IPSEN (Germany)
multi-functional furnaces
Gas Nitriding Furnace
Vacuum Nitriding furnace
Induction Hardening

Planting

Automatic EN
planting line
Sewage treatment
Laboratory

Insert Molding

Injection molding
Over molding
IBG-Eddy Current
Inspection
3D QV image
inspection

Assemble

Laser welding
Laser marking
Servo press
assemble
Riveting

Others

Clean room
inspection
AOI System
Industrial
informatization
Hydro-Carbom
cleaning

The Difference Between Stamping And Fine Blanking

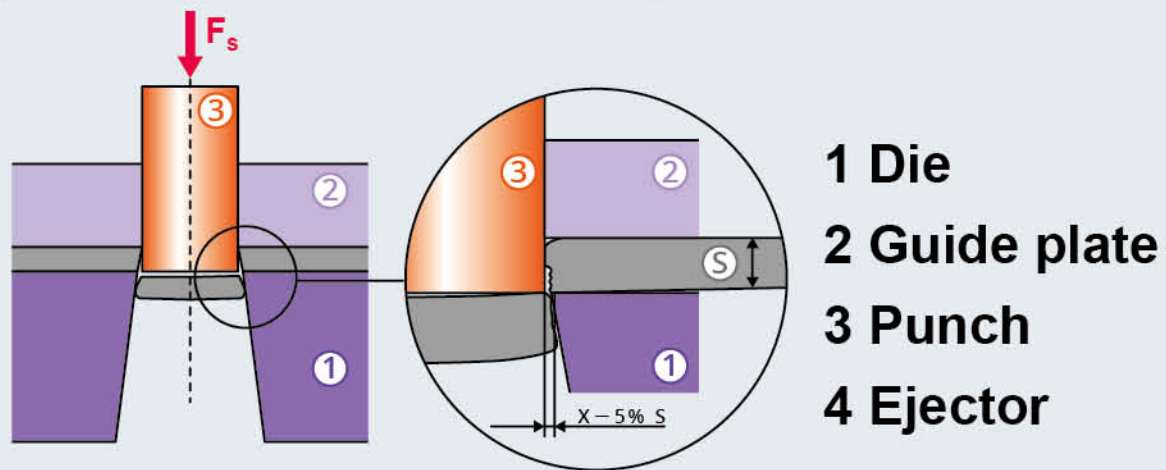
Appearance Cutting edge

Fine blanking part
Smooth cutting edge 、 Functional requirement

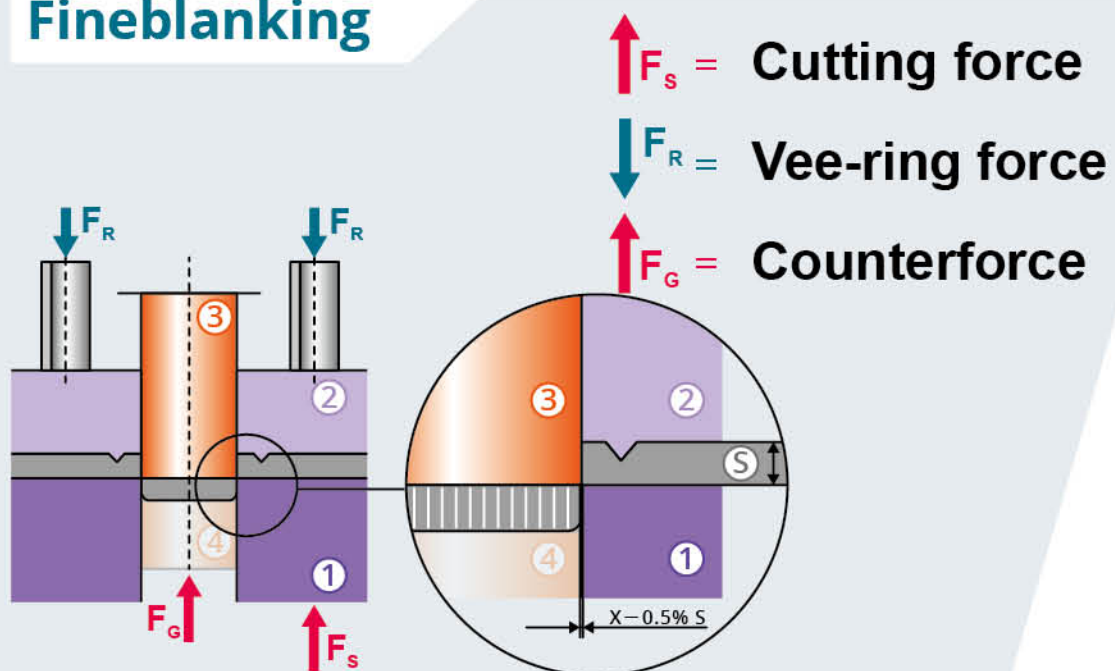
Stamping part
Rough cutting edge 、 No functional requirement

Tooling structure and characteristic parameters are different

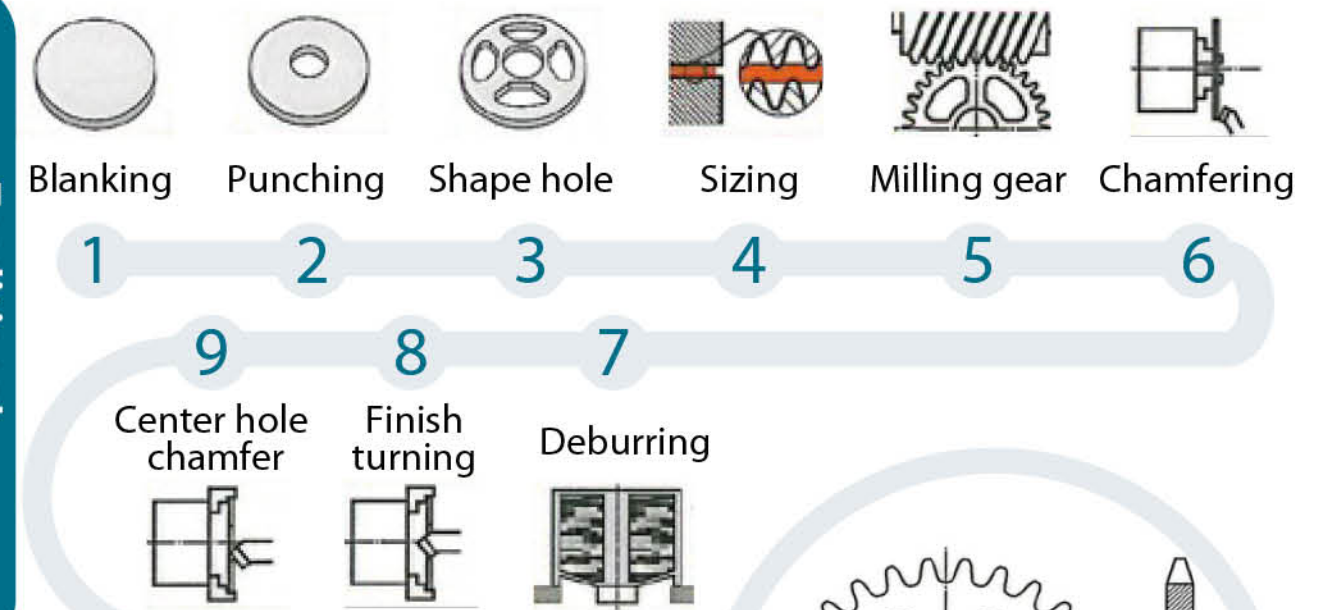
Conventional blanking



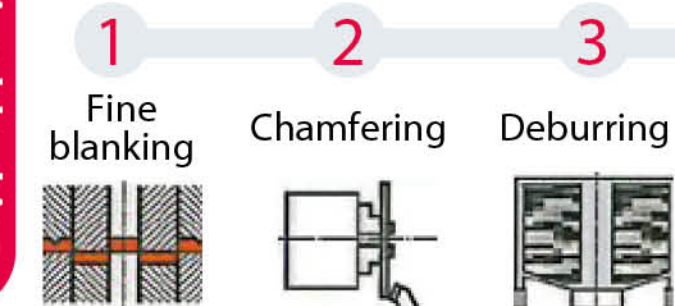
Fineblanking



Traditional technology



Fine blanking technology



Product Development Process

1 2 3 4 5 6 7

Confirm
Drawing

▶ Tooling
Design

▶ Tooling
Manufacture

Stamping
▶ Machine
Selection

Other-
Processing ▶
Process

Measure

▶ Finish
Product



Industry
Category



Electronic
Parts



Automobile



Hydraulic
Pumps



Bicycle
Parts

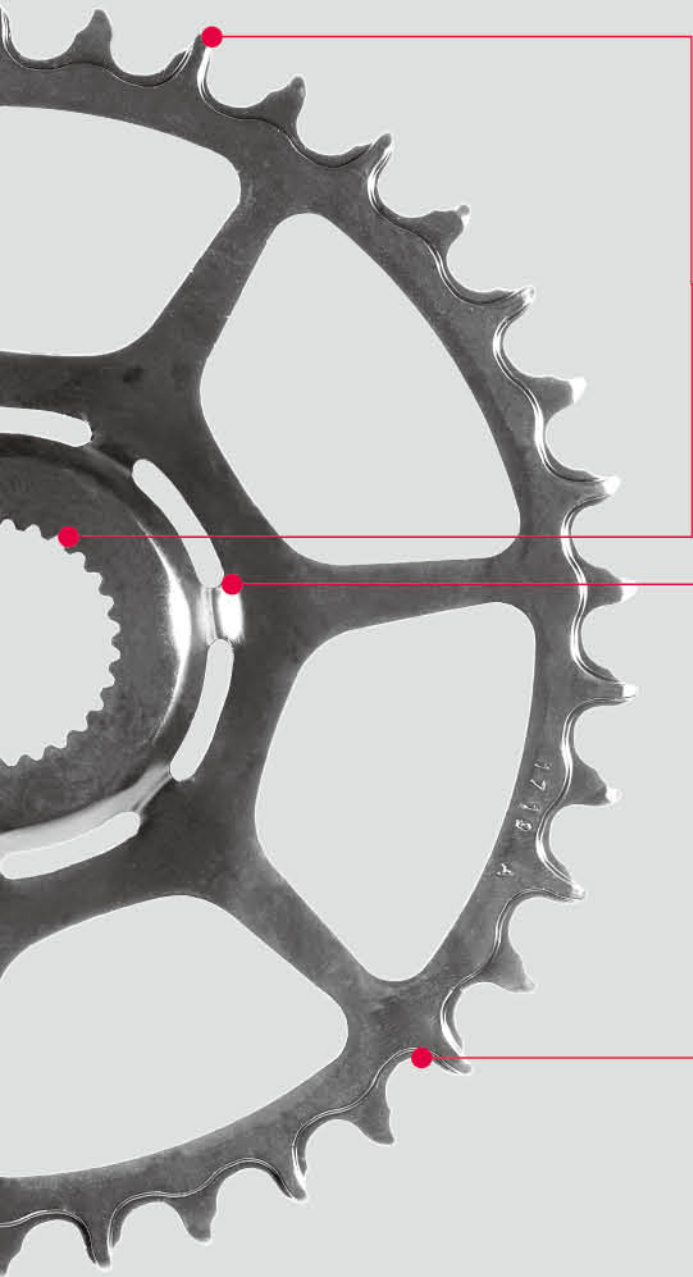


Others



Product process

E-Bike Chainring



Fine Blanking

Replace broaching process with fine blanking process

Drawing-forming

Using stamping and forging composite and fine blanking processes incorporate drawing processes

Accurately control dimension & tolerances

Stamping and Forging Composite

Progressive tooling combined with stamping and forging processes

Replace CNC machining process

Combining the above two technology that can complete the complex shapes of product

Oil Hydraulic Pump Bimetallic Plate

A composite material made by sintering copper powder and iron material
Overcomes two different material properties
Using stamping technology to create a finished product
with one side of copper and one side of iron



Product thickness up to 7mm

Double-sided grinding
after stamping

Flatness 0.005mm

Seat Adjuster



- Made by fine blanking
- Smooth cutting edge
- Small die-roll of tooth
- Heat treatment of tooth area
- Product thickness up to 6mm

Hard Disk Drive Parts



- Progressive tooling imitates fine blanking
- Accurately complete the position and dimensions of the bending and bumps to achieve perfect product functions
- Control coin bloat
Flatness is controlled at 0.005mm
- The thickness range of this series of products are 1.0-5.2mm



Future Outlook

Business Philosophy

Business Philosophy

- Innovation** – Encourage innovation and creativity in all aspects to ensure a high degree of corporate vitality and pursue sustainable management.
- Speed** — Work be done immediately and precisely on schedule.
- Efficiency** — Focus on speed and pay more attention to quality.
- Sincerely** — Attitude, Enthusiasm, Honesty, Smile, Go All Out.



Our Customers

