

P050 - Stainless Pipe Fittings and Machined Discs

P054 - Stainless Elbow and Branch Pipe Fittings

P059 - Stainless Elbows and Tube Fittings

P064 - Precision Cast Caps, Housings and Mounting Plates

TIANHUI MACHINE

Casting | Forging | CNC Machining | Inspection



P066 - Cast Mounting Brackets and Plates

P068 - Precision Cast Brackets, Hinges and Latch Components

P069 - Custom Bracket and Latch Assemblies

P071 - Cast Clamps and Linkage Components



P072 - Custom Cast Identification Plates

P078 - Custom Fixture Blocks and Valve Mounting Parts

P085 - Stamped Clips and Machined Bracket Assemblies

P087 - Custom Cast Curved Retainer Components

PRODUCT CAPABILITY PDF

Custom OEM Metal Parts

Drawing-based OEM metal components when the final industry or application varies by project.

Drawing-Based

OEM Production

Casting + CNC

Coordinated Process

Inspection

Project Specific

thcastings.com

Manufacturing Review

Prepared for OEM buyers evaluating custom metal component manufacturing routes.

01 / COMPONENT SCOPE

What We Manufacture for Custom OEM Metal Parts

A practical category for custom brackets, sleeves, fittings, rings, plates and special components.

01

Custom sleeves and tube fittings

02

Brass rings and covers

03

Mounting plates and brackets

04

Fixture blocks and custom machined parts

05

Retaining rings and clamps

06

Knobs, indicators and lever assemblies

07

Custom shafts and adapters

08

Non-standard metal fittings

Important note

Most components are produced according to customer drawings, samples or existing parts. Material, tolerance, surface treatment and inspection scope should be confirmed during the manufacturing review instead of assumed from a product image.

02 / MANUFACTURING ROUTES

Choose the route around geometry, material and volume

The same product category can include casting, forging, CNC machining or a combined process. The final route should follow the part drawing and production requirements.

01

CNC machining

CNC machining for precision geometry and small batches

02

Investment casting

Investment casting for compact complex metal parts

03

Forging

Forging for strength-critical blanks

04

Casting, machining, welding or assembly according to drawings

Casting, machining, welding or assembly according to drawings

PROCESS SELECTION

The drawing decides the process.

Before quotation, Tianhui reviews part geometry, alloy, annual volume, tolerance, surface condition, machining allowance and inspection requirements to decide the practical manufacturing route.

03 / PRODUCT EXAMPLES

Representative Components from the Image Library

These examples are grouped from the current product photo library. Exact material and final application should be verified against customer drawings or samples.



P042

Beverage Tap Valve Bodies

Custom beverage tap valve bodies featuring polished stainless valve/tap bodies with branch ports and lever interfaces. The likely manufacturing...

Confidence: High



P044

Beverage Dispensing Components

Custom beverage dispensing components featuring polished T-bodies, threaded collars, internal valve stems and dispensing...

Confidence: High



P047

Retaining Rings and Clamps

Custom retaining rings and clamps featuring circular clamp rings, collars and retaining hardware with split or hinged features. The likely...

Confidence: High



P054

Stainless Pipe Fittings

Custom stainless pipe fittings featuring compact elbows, branch fittings and threaded tube connectors. The likely manufacturin...

Confidence: High



P059

Stainless Tube Fittings

Custom stainless tube fittings featuring small elbows and bent fittings with smooth tube ends and compact connection geometry. The...

Confidence: High



P066

Mounting Brackets and Plates

Custom mounting brackets and plates featuring flat and angle mounting castings with slots, holes and local stiffening ribs. The likely...

Confidence: High

04 / QUALITY & CUSTOMIZATION

From image review to controlled production

Production is organized around approved drawings, technical requirements and inspection expectations.

01

Critical dimensions and mating features

02

Threads, bores and functional interfaces

03

Surface finish and coating requirements when specified

04

Project-specific documentation and final inspection

RFQ INFORMATION

What to send for a useful quotation

- 2D drawing, 3D model, sample or clear product photos
- Material grade or preferred alloy
- Estimated quantity and annual demand
- Critical dimensions, tolerances or assembly interfaces
- Surface finish, coating or heat-treatment requirements
- Inspection documents, testing or traceability requirements

05 / PROJECT PROOF

Related manufacturing experience

Custom OEM projects should start with drawings, samples or existing parts. Material, process and inspection scope are confirmed before quotation.

Additional example parts



Brackets, Hinges and Latches



Identification Plates



Clips and Bracket Assemblies



Metal Sleeves



Formed Tubes and Nozzles



Angle Mounting Brackets

NEXT STEP

Send your drawing for manufacturing review

Email: seo@cn-tianhui.com | Website: www.thcastings.com