



Taiyuan Best Casting & Forging Co., Ltd.

Company Profile

Taiyuan Best Casting & Forging Co., Ltd.



Taiyuan, Shanxi Province, China



CONTENTS



INTRODUCTION

Part 1



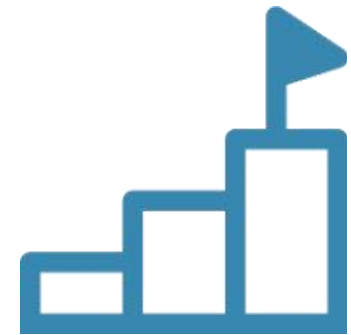
SERVICES AND PRODUCTS

Part 2



DESIGN AND MANUFACTURE

Part 3



DEVELOPMENT PLANNING

Part 4



Taiyuan Best Casting & Forging Co., Ltd.

1-1 Introduction - Who Are We?

Taiyuan Best Casting & Forging Co., Ltd., with its office located in Taiyuan, Shanxi Province, China, boasts professional manufacturing experience in the field of casting and forging, with strong competitiveness and various casting processes. We have become a machinery industrial group after many years of development since the establishment in 2003.

Since our establishment in 2023, we strictly adhere to honesty as our guide, quality as our foundation, technology as our guarantee, craftsmanship as our soul, management as our bloodline, and efficiency as our lifeblood, thus, we have also gathered many notable clients worldwide.

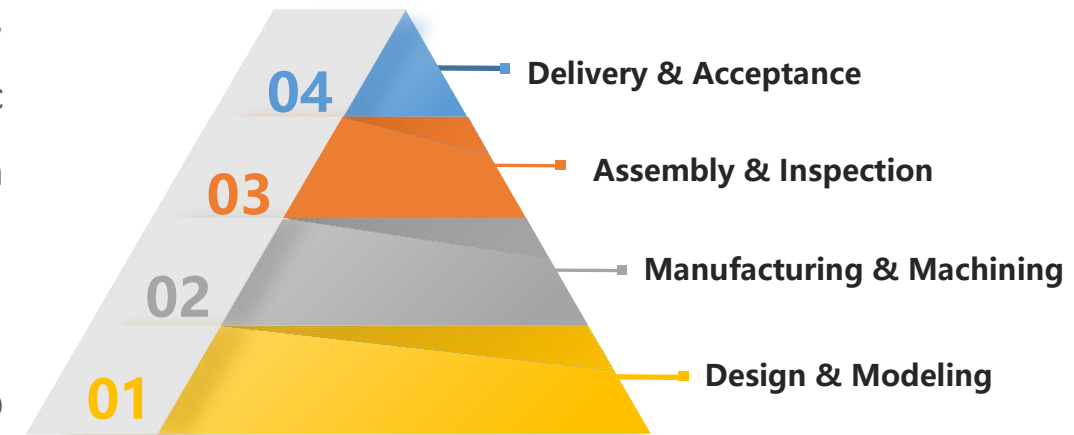




2-1 What Services Do We Offer?

We provide **one-stop services and solutions** to our clients across various industries, including the metallurgical and mining industry, petroleum, shipbuilding, automobiles and motorcycles, trains and railways, electric machinery, hardware, agricultural machinery and appliances, construction industry and medical equipment.

Our services give you access to our manufacturing experts, who will help optimize the quality and productivity in the manufacturing process. We are committed to help you maximize profits and minimize risks with our industry-leading expertise and one-stop services (4 steps as shown in the chart).





2-2 Our Services and Processes

1. CREATIVE IDEAS

We share insights to improve your products.



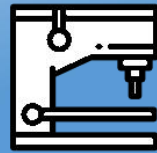
4. GENERAL ASSEMBLY

Our production assembly includes welding, simple and complex bonding methods for various materials, or just marking and stamping.



2. PROFESSIONAL EXPERIENCE

Our understanding of machining and materials will help you produce better products.



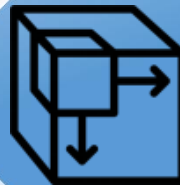
5. INSPECTIONS

We will apply the most efficient inspection methods according to different parts.



3. 3D MODELING

Modeling in Solidworks and CAD.



6. DELIVERY & IMPROVEMENT

We will deliver the goods according to your requirements. And we will make improvements after your review and feedback.





2-3 What Products Do We Offer?

1

We offer products in the following 5 categories:

- CNC Machining Parts
- Casting & Forging Parts
- Stamping Parts
- Welding Parts
- Sheet Metal Parts



2

And we have developed different materials for production:

- Grey iron
- ductile iron
- stainless steel
- carbon steel
- aluminum
- brass
- titanium alloy and so on

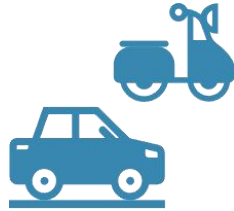




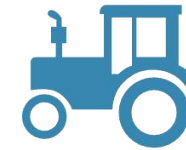
2-4 What Industries Do Our Products Cover?



Metallurgical and
Mining industry



Automobile
& motorcycle



Agricultural machineries
and appliances



Petrochemical
industry



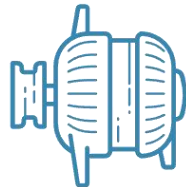
Train & railway



Hardware



Shipbuilding



Electric machine



Construction
industry



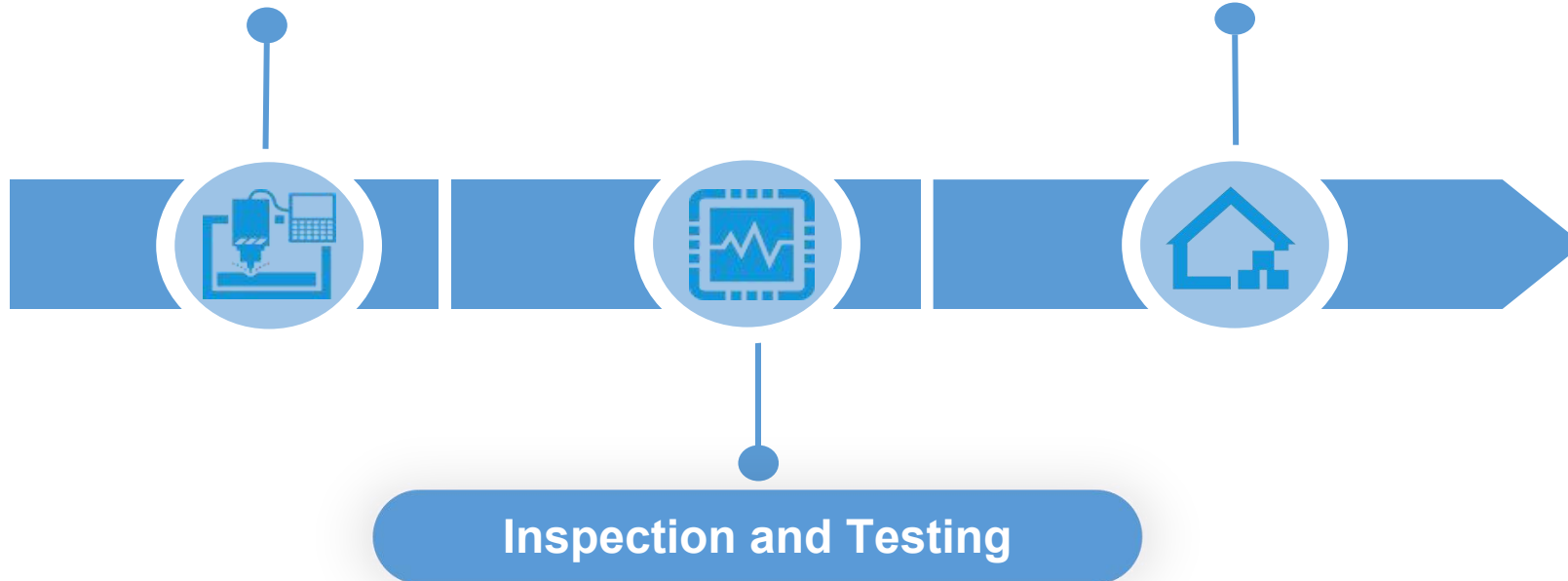
3-1 Design And Manufacture

Design and Manufacture

Our engineers' abilities to design and create products are sufficient to cater to product development and related equipment improvement and update.

Delivery Capacity

The capacity of equipment for our current order production accounts for 70%, with the usage of 50% factory space. Thus, we have the capacity to develop other new projects.



Inspection and Testing

The company has 3D laser scanning and testing equipment, fitting with special tooling, all of which are enough to ensure the quality testing of products.



3-2 Mould Design Capability





3-3 Main Processing Capabilities

Tools	Quantity	Envelope Size
4 Axis machining center	1	400mm * 500mm
Machining center T650	2	650mm * 500mm
Machining center T850	5	850mm * 650mm
Machining center T1010	1	1010mm * 900mm
Milling machine X63	7	630mm * 320mm
Lathe C6150, C6180	5 & 2	¢ 500mm * 1500mm, ¢ 800mm * 1500mm
Lathe CK6150, CK6180	10 & 1	¢ 500mm * 1500mm, ¢ 800mm * 1500mm
Wire EDM 35 to 70	11	350mm * 300mm to 6530mm * 450mm
Sawing machine G4028	3	280mm



3-4 Main Inspection Capabilities

Tools	Quantity	Performance Description
Brinell hardness tester	1	Error value $\leq 3.0\%$
Vickers hardness tester	1	Error value $\leq 3.0\%$
Brinell portable hardness tester	1	Measurement uncertainty $U=1.8\%$ $K=2$
Magnetic particle flaw detector	1	5500MM
Ultrasonic flaw detector	1	Measurement uncertainty $U=0.8\%$ $K=2$
Marble inspection platform	2	3000mm * 2000mm
Micrometers, verniers, gauges, Gagemakers etc.	Various	General dimension inspection tools



3-5 Machine Tools





Taiyuan Best Casting & Forging Co., Ltd.



3-6 Machine Tools





3-7 Machine Tools





4 Development Planning

We believe that parts are small, but they touch every corner in the world. We build better parts to make our world better.

The company is strongly determined to lead in the industry by providing satisfaction to our customers and complying with applicable standards and other requirements that we subscribe to. We will achieve this by:

- Addressing the needs and expectations of our customers in a timely manner;
- Continually improving our management processes and resources;
- Continually raising quality awareness within the company and our customers & suppliers;
- Developing sound practices for effective waste management.



Taiyuan Best Casting & Forging Co., Ltd.

THANK YOU