

CHIAYI, TAIWAN

INTRODUCTION

afaq ISO 9001 Quality

Royal Metal Casting Co., Ltd., founded in 1987, has grown into Taiwan's largest manufacturer of brake drums for Japanese commercial vehicles. Our products span automotive, air compressors, industrial machinery, valves, elevators, and hydraulic systems. Trusted by leading Japanese manufacturers, we serve as a Tier 1 supplier to many top-tier Japanese OEMs. Over 80% of our production equipment is made in Japan and Germany, ensuring world-class quality and stability.

As a technology pioneer in Taiwan's casting industry, we were the first foundry in Taiwan to apply robotic arms and distance-sensing technology to the sand molding process. By further integrating vision recognition systems with automated grinding equipment, we have achieved full automation of the deburring process.

In 2023, we became the first in Taiwan to adopt large-scale AI-driven molten iron transport and automated pouring systems — significantly improving production stability and overall line efficiency. Currently, approximately 75% of our equipment is automated, and we aim to achieve a fully smart foundry within the next decade.

Backed by advanced technology and an expert team, we deliver stable, high-quality cast iron products and integrated casting solutions to customers worldwide. Our current export distribution is Japan 60%, Europe & North America 30%, and other regions 10%, reflecting a solid track record and trusted reputation in the global market.

Advanced Solutions in Automated Iron Casting

Product Development, Automated Casting, and Precision Machining

皇嘉金屬鑄造有限公司

ROYAL METAL CASTING CO., LTD

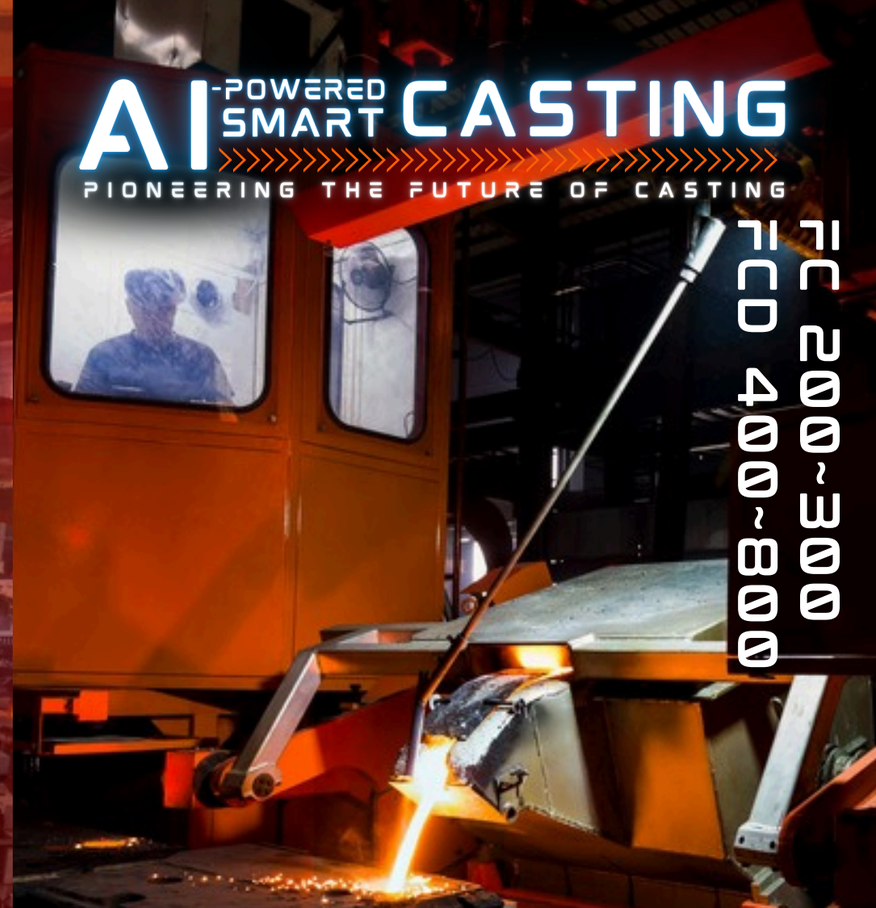
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AI-POWERED SMART CASTING

PIONEERING THE FUTURE OF CASTING

FC 200~300

FCD 400~800

ROYAL METAL

皇嘉金屬鑄造有限公司

IRON CASTING SPECIALIST

Product Application

- Hydraulic Components
- Automotive Components
- Industrial Machinery Components
- Power Transmission Components

Made in Taiwan

FOUNDRY



Germany-made HSP Molding Machine



Japan-made FBOX Molding Machine



Automated Molten Iron Pouring and Handling Equipment



Automated Grinding Production Line

CAPABILITY

Material:

- Ductile Iron Casting **FCD400~FCD800**
- Grey Iron Casting **FC200~FC300**

Weight: 0.1kg ~ 200kg

Annual Production Capacity: 7,000 tons

HSP Molding Machine Size: 800 x 1000 x 600mm

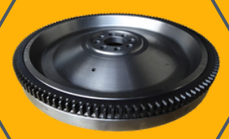
FBOX Molding Machine Size: 550 x 450 x400mm

Machining Tolerance: ±0.01 mm

AUTOMOTIVE



MANIFOLD



FLYWHEEL



WHEEL HUB



BRAKE DRUM



DIFFERENTIAL

MACHINERY



BEARING HOUSING



HYDRAULIC COMPONENTS



MOTOR COMPONENTS



SCREW COMPRESSOR HOUSING



GEARBOX COMPONENTS

VALVE

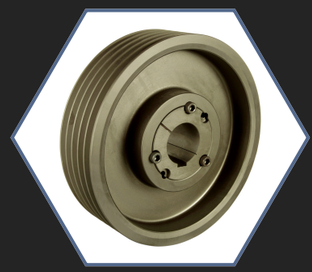


VALVE COMPONENTS

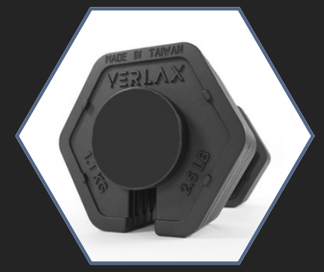


BUTTERFLY VALVE

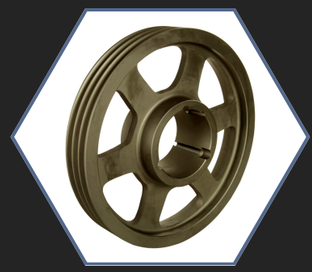
OTHERS



PULLEY



FITNESS EQUIPMENT



ELEVATOR WHEEL COMPONENTS

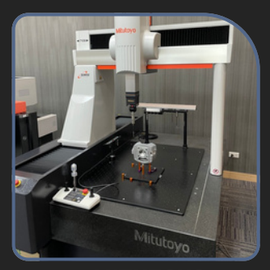


AGRICULTURAL MACHINERY COMPONENTS

MACHINING



OKUMA
CNC VERTICAL LATHE
25 Units In-house



MITUTOYO
CNC 3D MEASURINGMACHINE
Full Inspection / PPM / SPC