

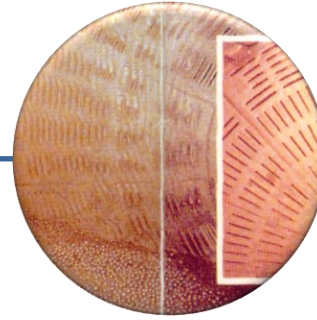
KING CASTING INTRODUCTION

Special Alloy: ADI/INVAR/Inconel/ Stellite/ Hastelloy
Application: Asphalt mixing/Cement/Coke

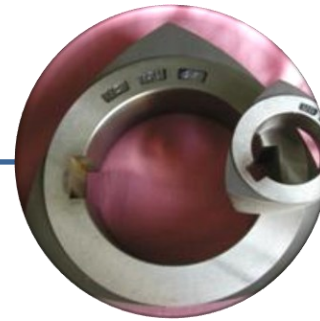


**2008 KING CASTING found
2016 New product line**

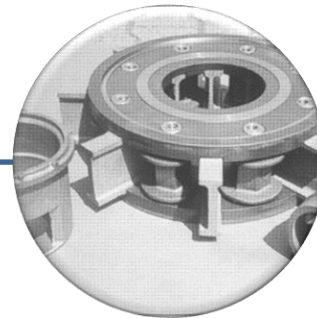
- Sand casting
- Centrifugal casting
- High-quality wear-resistant, heat-resistant and special alloy castings.



2005 - 2008, entered the casting foundry industry, successfully developing various wear-resistant parts for the steel and cement industries.



1984 - 2004, at the Metal Industries Research & Development Centre, under the guidance of Director Lin Liang-Ching and Consultant Lin Chen-Tai, with completed the development of numerous wear-resistant and heat-resistant castings. The product lifespan and quality surpassed those of Europe, America, and Japan, while significantly reducing costs.



1984 - involved in the research and development of wear-resistant castings, initially working at the private foundry "Chen-Hsing Industrial" in the production of rolling mill rollers. •

Wear-resistant castings

- High-chromium wear-resistant parts (pump parts, screen plates, impact hammers, liners, etc.), widely used in the steel, power, cement, concrete, and asphalt industries

Heat-resistant

- Pyrolysis furnace tubes, etc., with materials including HK, HP-M, and Inconel 800H, successfully replacing products that have long relied on imports.

High-temperature wear-resistant materials

- Stellite cobalt alloy series, used in galvanizing plant pump impellers, scraper blades, bushings, etc.

Special alloy castings

- Hastelloy, duplex stainless steel, metals with low thermal expansion coefficients, etc., used in pumps, mechanical shaft seals, vacuum pumps, and precision mechanical parts.

**Equipment
and
Specifications**

Horizontal centrifuge tubes:

Outer diameter $\psi 65\text{--}\psi 450\text{mm}$, length up to 4200mm, weight $\leq 1000\text{kg}$.

Vertical centrifuge tubes:

Outer diameter $\psi 65\text{--}\psi 600\text{mm}$, length $\leq 450\text{mm}$, weight $\leq 300\text{kg}$.

Sand castings:

Weight $\leq 600\text{kg}$, dimensions up to 4m (length x width) x 1m (height).

Technical Features

- Provides wear-resistant, heat-resistant, and special alloy castings with excellent material properties and long service life.
- Capable of casting defect-free parts that meet the highest X-ray inspection standards.
- Diverse manufacturing processes: sand casting, centrifugal casting, precision casting, continuous casting, and 3D printed sand molds.
- Established computer-aided solidification and flow simulation analysis technology to ensure product quality and shorten development time.

Our Vision

- Uphold our passion for the foundry industry and establish a model foundry characterized by high quality and advanced technology.
- Promote the localization of castings and enhance the competitiveness of industries such as steel, cement, petrochemicals, and precision machinery.
- Collaborate with various industries to jointly enhance the overall industrial competitiveness of Taiwan.

Product	Material	Reference Customers
Burner fixing rings	50%Ni-50%Cr Alloy	TPC
Bushings	Stellite Cobalt Alloy	CSC, Sheng Yu, Yieh Phui
Conveyor rollers	Wear-resistant & heat-resistant alloys	Weizhi, Xie Sheng Fa
Cracking furnace 4-in-1 tubes	Inconel 800H	CPC Taiwan
Hearth rollers	HH, HK, HP-M	Japan, Sheng Yu, Yieh Phui, Chun Yu, CSC
Heating furnace skid riders	HK Alloy	CSC
Hot air rings & mold rings	Ni-Hard Cast Iron	Formosa Heavy Industries, Formosa Petrochemical
Hot-rolling furnace supports/protective plates	NA22H, HU	Yieh Hsing, Yieh Lian
Large wear-resistant pipes	KC-K High-Chromium Cast Iron	Various domestic plants
Mechanical seal castings	Hastelloy C/B	Various
Precision machine parts (arms, rotors, sleeves, supports)	Low Thermal Expansion Metals	SBIR Award Project (Kaohsiung City Gov.)
Pump bodies & impellers	Duplex Stainless Steel	CSC
Pump bodies & impellers	Hastelloy C/B	Various
Pump impellers (zinc extraction)	Stellite Cobalt Alloy	CSC
Pump parts (wear-resistant)	High-Chromium Cast Iron	CSC, Power Plants, Cement Plants
Radiant tubes (W-type, U-type)	KHR35H, HP-M, ISCH23, HL-M, HN	Japan, Sheng Yu, Hong Li
Rust-removal pumps	Duplex Stainless Steel	CSC
Scraper blades & couplings	Stellite Cobalt Alloy	CSC, Yu Tie, Yieh Phui
Screen plates	KC-27 High-Chromium Cast Iron	Formosa Ha Tinh Steel Corporation
Tee pipes & elbow pipes	KC-27 High-Chromium Cast Iron	NYPC
Wear plates & bi-metal screws	KC-K High-Chromium Cast Iron	Formosa Ha Tinh Steel Corporation, CSC

