

Automated Casting Production Line

This automated casting production line is designed for high-volume manufacturing of metal parts. The system integrates mold preparation, metal pouring, cooling, and part ejection.



Overview

Automated Casting Production Line

This high-efficiency automated casting production line is designed to streamline the manufacturing of metal components such as grinding balls, bent axles, and brake drums. Engineered for industrial applications including mining, chemical processing, and power generation, the system integrates advanced machinery to handle the entire casting process from mold preparation to part ejection. With a focus on automation, the line optimizes production capacity and significantly reduces labor requirements.

Technical Specifications

Annual Capacity

12000 tons/year

Max Capacity

3000 tons/year

Min Capacity

Power Rating	100 KW
Voltage	380 V
Total Weight	22 T
Dimensions (L x W x H)	27m x 8m x 4m

Manufacturing Capabilities

Target Industries

Mine • Cement plant • Power station • Chemical industry

Compatible Applications	Grinding balls, Bent axle, Brake drum, Water meter shell, Hammer, Form relieved tooth, Steel talons
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System Components

Included Equipment

- Open mold machine
- Close mold machine
- Turnover machine
- Core shooting machine
- Reversing machine
- Pusher mold machine
- Blow sand machine
- Pouring machine
- Roll gang
- Sand cleaning machine

Operational Details

Process Flow

Step	Process
1	Preheat iron mould
2	Shoot sand to iron mould
3	Check and adjust sand
4	Pouring melting water
5	Open mold and eject
6	Clean residual sand
7	Repeat cycle

Operating Staff	3-4 people
Certifications	ISO9001:2008
Warranty	1 Year