Automated Foundry Pouring Machine with Tilting Crucible

This industrial machine automates the pouring of molten metal into molds. It utilizes a tilting crucible for precise dispensing and includes a conveyor system for efficient mold transport.

Overview

Automated Foundry Pouring Machine

This automated pouring machine is designed for high-efficiency foundry manufacturing, utilizing mid-frequency furnace heating to maintain constant temperatures for superior product quality. The system features a bottom-pour design that eliminates residue and allows for continuous operation by enabling the addition of molten metal without stopping the pouring process. By automating the pouring sequence, this machine significantly enhances workplace safety by keeping operators at a safe distance from the molten metal.

Technical Specifications

Capacity and Power Specifications

Capacity (kg)	Max Heating Power (KW)	Constant Temp Power (KW)
750	250	60
1000	300	80
1500	400	100

Operational Metrics

380 V	900 mm	1500 mm	1050 mm
Voltage	X-axis Travel	Y-axis Cross	Plug Rod Specification

Motor Power

- X-travel motive power: 1.5 KW
- Y-travel motive power: 3 KW

Features

Key Advantages

Mid-frequency heating • Constant temperature • Bottom-pour design • Residue-free • Continuous operation • Enhanced operator safety