

Forklift Charging Manipulator for Cylindrical Workpieces

This forklift-mounted manipulator facilitates the charging and discharging of workpieces up to 3 tons. It features five axes of motion, including tong clamping, rotation, arm lifting, tilting, and cart traveling.



Overview

Industrial Charging Manipulator

This specialized manipulator is designed to streamline the charging and discharging of cylindrical workpieces, ingots, or billets. By integrating a custom charging arm onto a forklift platform, it provides a versatile solution for transporting materials between presses, ring mills, and furnaces. It is engineered to handle loads up to 3 tons with precision and operational efficiency.

Performance Specifications

Maximum Load Capacity

3 ton

Max Load

Operational Axes

- Tong clamping
- Tong rotating
- Charger arm parallel lifting (up/down)
- Charger arm tilting (up/down)
- Cart traveling

Technical Configuration

Base Vehicle Type	Forklift
Suitable Applications	Press Charging, Ring Mill Operations, Furnace Charging, Ingot Handling, Billet Handling