

# 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