

# Welding Workpiece Positioner

Welding positioners are used for welding, holding, and assembling complex workpieces. These are assistance devices for the steel structure manufacturing industry, especially for small chemical vessel manufacturing.



## ADDITIONAL IMAGES



## Overview

### Industrial Welding Positioner HBZ Series

The HBZ series welding positioner is a specialized assistance device engineered for the efficient rotation and tilting of complex workpieces. By providing stepless speed regulation and precise angular adjustment, it allows welders to position materials optimally for superior weld quality and safety. This compact, robust unit is essential for heavy steel structure manufacturing, pressure vessel production, and semi-automatic or fully automatic welding lines.

## Key Performance Metrics

### Performance Metrics

**30 tons**

Max Load Weight

**3000 mm**

Table Diameter

**120 degrees**

Max Overturning Angle

## Technical Specifications

### Operational Speeds

Parameter	Range
Rotation Speed	0.05-0.5 rpm
Overturning Speed	0.1 rpm

### Mechanical Limits

- Max Eccentricity: 200mm
- Max Distance of Center of Gravity: 650mm
- Max Rotating Diameter at 90°: 4200mm

## Power and Control

### Motor Power

- Rotation Motor: 7.5 KW
- Turning Motor: 11 KW

### Control Features

AC Converter, Stepless Speed Regulation, Frequency Conversion