

Bridge Girder Erection Machine

This machine is designed for the erection and installation of concrete box girders on railway lines. It is applicable for the installation of various box girders and has the capacity for erection within 6m.



Overview

High-Efficiency Bridge Girder Erection

This specialized lifting equipment is engineered for the precise installation of high-tonnage prestressed concrete box girders on dedicated passenger railway lines. Designed to support high-speed rail construction, it offers reliable performance for 32m, 24m, and 20m full-hole double-line box girders. The system features advanced hydraulic control and structural stability, ensuring safe and accurate girder placement in demanding infrastructure projects.

Operational Capabilities

Rated Lifting Weight	900 t
Supported Erection Spans	32m, 24m, 20m
Lifting Height	7 m

Performance Metrics

Operational Performance Comparison

Parameter	TJ900	TJ900S
Lifting Speed (Idle/Heavy)	1 / 0.5 m/min	1 / 0.5 m/min
Hole Passing Speed	2.93 m/min	2.93 m/min
Installed Power	546 KW	300 KW

Technical Specifications

Specialized Features

- Variable span functionality (TJ900S)
- Tunnel construction capability (TJ900S)
- 6m erection capacity (TJ900S)
- Compatible with tyred beam conveying vehicles

TJ900 Dimensions (L x W x H)	45.5m x 30.5m x 17.5m
TJ900S Dimensions (L x W x H)	62.8m x 17.1m x 10.7m