

Double Girder Overhead Crane

This double girder overhead crane utilizes modular design theory and computer technology. It is suitable for lifting and handling large-tonnage objects.



Overview

European Standard Double Girder Overhead Crane

This European-style double girder overhead crane utilizes advanced modular design theory and modern computer technology to deliver high-precision lifting performance. Engineered in strict accordance with FEM and DIN standards, it features a compact structure that maximizes operating range while reducing plant costs. The system offers versatile hoisting options, including winch trolley or electric hoist trolley configurations, ensuring reliability for heavy-tonnage industrial applications.

Design and Standards

Compliance Standards	FEM, DIN
Design Philosophy	Modular design with finite element analysis for safety and reliability

Performance Metrics

Efficiency Improvements

22.5 % Avg. Weight Reduction	22.5 % Avg. Wheel Pressure Reduction	25 % Avg. Height Reduction
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Technical Specifications

Hoisting Mechanism Options

- Winch trolley
- Electric hoist trolley

Control Features

- Frequency control
- Smooth start/braking
- Optional electrical anti-sway technology

Drive System	Hardened three-in-one motor and reducer
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Construction Quality

Manufacturing Highlights

Component	Process Detail
Drum	Steel rolled overall annealing treatment
Wheel Set	65Mn forged, machining boring assembly
Trolley Frame	Overall processing after welding
End Beams	Overall processing after welding