

# 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

## 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

## 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