

Process solutions to optimize your material flow

Whether you're manufacturing goods or keeping the lights on, we have the lifting equipment to suit your application. We have decades of experience providing equipment and service in a wide of range of industries. Our deep industry knowledge and process understanding helps us deliver equipment and services to optimize your operations.



Automotive

Die handling
Die gripper cranes



Aviation

Aircraft MRO
Aircraft manufacturing



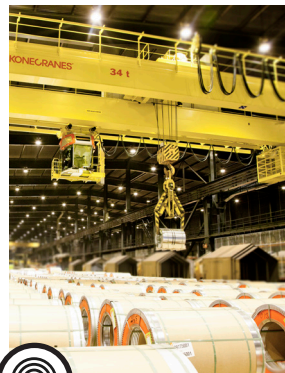
Bulk handling

Cement
WTE: refuse, sludge
Biomass, woodchips



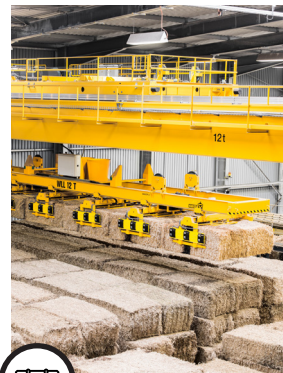
Heavy machines

Shipyards
Powerhouses
General manufacturing
Windmill manufacturing



Metals

Molten metal
Coil, sheet and long material handling



Other

Container handling
Straw bale handling



Paper

Pulp bale
Paper machine
Paper roll storage

Automation

In heavy process industries where the movement and management of large, heavy loads are a critical part of the process, automated cranes can not only streamline operations but also improve safety and accuracy.

These cranes transport hefty materials across the plant floor, between production stages, and often over long distances within the facility, which traditionally requires high levels of manual operation and supervision. However, with the integration of automation technology, operations can become more productive and more profitable. We design two types of automated cranes— semi-automated and fully automated.

Semi-automation

Our semi-automated cranes have various features to assist the operator but allow more manual control.

Full automation

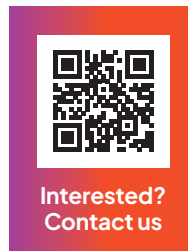
With our fully automated cranes, the operator inputs the settings, and the crane automatically takes care of repetitive or difficult actions.

Use cases

Automotive: Semi-automated die gripper cranes make it possible to change dies multiple times in a shift with just one operator.

Coil handling: Fully automated cranes provide accurate positioning and placement of coils reducing the risk of material damage and waste.

Paper roll storage: Fully automated cranes allow for continuous and uninterrupted operation for more efficient movement of rolls through the facility. They also give you the best use of vertical space in storage areas.



Controls

Remote Operating Station

A Remote Operating Station has the same controls as a cabin on the crane structure, but allows the crane to be controlled away from its operating area, without a direct line of sight to the crane structure. Monitors show real-time camera views, along with crane and process related information.



Cabin

A cabin provides operators with a clear view of the crane's working area. Low vibration, ergonomic seating and easy access to controls provides a comfortable work environment for operators.



Radio

Radio controls help improve safety by providing free movement for the operator and allowing them to choose the safest place to operate the crane.



Warehouse Management System

The Konecranes Warehouse Management System (WMS) is designed as an automated solution for managing a warehouse operated by cranes. The WMS consists of a basic module plus extension modules such as material flow, yard management and production management. The WMS helps you achieve high throughput combined with high storage capacity.

Our Warehouse Management Systems are planned using cutting-edge simulation technology and cost analysis to develop a system that meets future demands in terms of throughput, storage and handling capacity in the most cost-efficient way. We also offer preventive maintenance and remote support for 24/7 access to a global network of WMS specialists.

Availability

- Coil storage
- Die storage
- Paper roll storage
- Straw bale storage

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