

Outstanding performance

Konecranes waste handling cranes are designed for continuous operation, three shifts a day, all year round, providing you with reliability and outstanding performance in a compact and robust design. Bulk handling cranes are fully automated, versatile and reliable for more efficient operations.

Waste handling crane



01 FLEXIBLE OPERATION
Flexibility with manual, semi-automatic or fully automatic modes.

02 SAFETY FEATURES
Optimum safety with features like high rope drum/rope ratio, load control and patented trolley/machinery assembly.

03 REMOTE MONITORING
TRUCONNECT Remote Monitoring provides condition, usage and operating data and issues safety alerts.

04 SWAY CONTROL
Sway Control minimizes load sway reducing collisions between the bucket and the pit walls or hopper.

Bulk handling crane



01 FULLY AUTOMATED
Crane automation helps improve facility safety, load travel accuracy and performance efficiency.

02 LESS DUST AND NOISE
Reduced noise, dust, and fuel emissions.

03 SMART FEATURES
Sway Control comes standard and other Smart Features can be added for safer, faster load handling and more precise positioning.

04 COMPACT DESIGN
Increased floor space usage with compact design.

Automation

Automated cranes can help make modern waste to energy facilities safer and more profitable. We design two types of automated cranes—semi-automated and fully automated.

Our semi-automated cranes have various features to assist the operator but allow more manual control. With our fully automated cranes, the operator inputs the settings, and the crane automatically takes care of repetitive or difficult actions.

Automation features often come with monitoring systems that allow the process to be controlled either from the operator’s pulpit or from an ROS in a central control room remote from the waste pit.

Full automation

Unmanned full automation for feeding, stacking (receiving), mixing and recasting. Benefits include improved safety for equipment and personnel, increased throughput and reduced operating costs.

Load control

Smart Features include Sway Control, Extended Speed Range, Slack Rope Prevention and Shock Load Prevention. Benefits include a more stable load, accurate positioning of the grab, and better efficiency with improved load cycle times.

Positioning and area control

Smart Features include Target Positioning and Protected Areas. Benefits include a reduced risk of collision and damage to grabs, hoppers and pit walls, and improved load cycle time.



Remote Operating Station

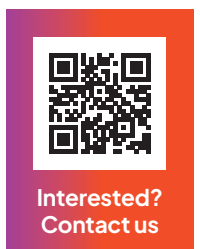
A Remote Operating Station has the same controls as a cabin on the crane structure, but allows the crane to be controlled away from its operating area, without a direct line of sight to the crane structure. Monitors show real-time camera views, along with crane and process related information.

Fitted with the latest Konecranes technology, the Remote Operating Station provides a safe, fully-functional and comfortable working environment to help maximize process flow and productivity.

Waste to Energy consulting

By working with Konecranes from the start of your project, we can help you optimize your layout, throughput and material handling equipment. Our patented simulation software tool can run simulations specific to your plant to help you to make the best decisions for your material handling needs. Using our industry-leading expertise, we’ll help you understand how each action impacts your operations and design the most suitable solution with the best possible performance in compliance with industry standards.

- Complete overview of operation
- Optimization of tipping bays and equipment sizing
- Material inventory planning and storage
- Prediction of crane lifetime
- Evaluation of material mixing options



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