

ENCODERS AND SENSORS FOR
CRANES & PORTS





Robust 500 series

Versatility in a small encoder with large performance.

Industrial 600 series

Absolute position encoders with fieldbus and serial interfaces for automated processes.



Premium 900 series

Leine Linde's 900 series is a solutions platform managing complex position feedback in the form of an encoder with different fieldbus and communication interfaces.

FSI 900 series

The FSI 900 series are encoders with integrated safety limit switches and user-configuration software. Connect the relays to emergency stop loops or brake activation



Bearingless 2000 series

Big hollow shaft incremental encoders, made for mounting directly on large rotating shafts. Can be equipped with one or two sensor heads.

Compact 700 series

Enduring encoders in a compact format for minimum build length where space is limited.



Heavy-duty 800 series

Long-lasting maintenance-free incremental encoders. Made for demanding automation.



FSI 800 series

FSI 850 and FSI 862 are safe incremental encoders for drives, with slip-free mounting solutions for both shafts and hollow shafts.



ADS Uptime 800

Encoders with built-in ADS Uptime™ will enable monitoring of the most relevant data from rotary installations and motors.

1. Trolley position

Trolley control depends on quick, precise and reliable encoder feedback for predicable results based on operator input. Incremental Leine Linde encoders are used for speed feedback to drives controlling the trolley motors, while absolute encoders on the trolley drum are used to measure position.

Suitable models:

- Robust 500 series
- Industrial 600 series
- Heavy-duty 800 series
- ADS Uptime 800 series
- FSI 800 series
- FSI 900 series

2. Boom position

The boom hoist control gets its feedback from encoders on the motor and on the drum. Robust encoders, suitable for the demanding environment is crucial for reliable operation and minimal downtime.

This is an environment where Leine Linde encoders have a spotless reputation.

Add encoders with integrated safety functionality (FSI) as needed for your application.

Suitable models:

- Robust 500 series
- Heavy-duty 800 series
- Industrial 600 series
- FSI 800 series
- FSI 900 series

3. Hoist control

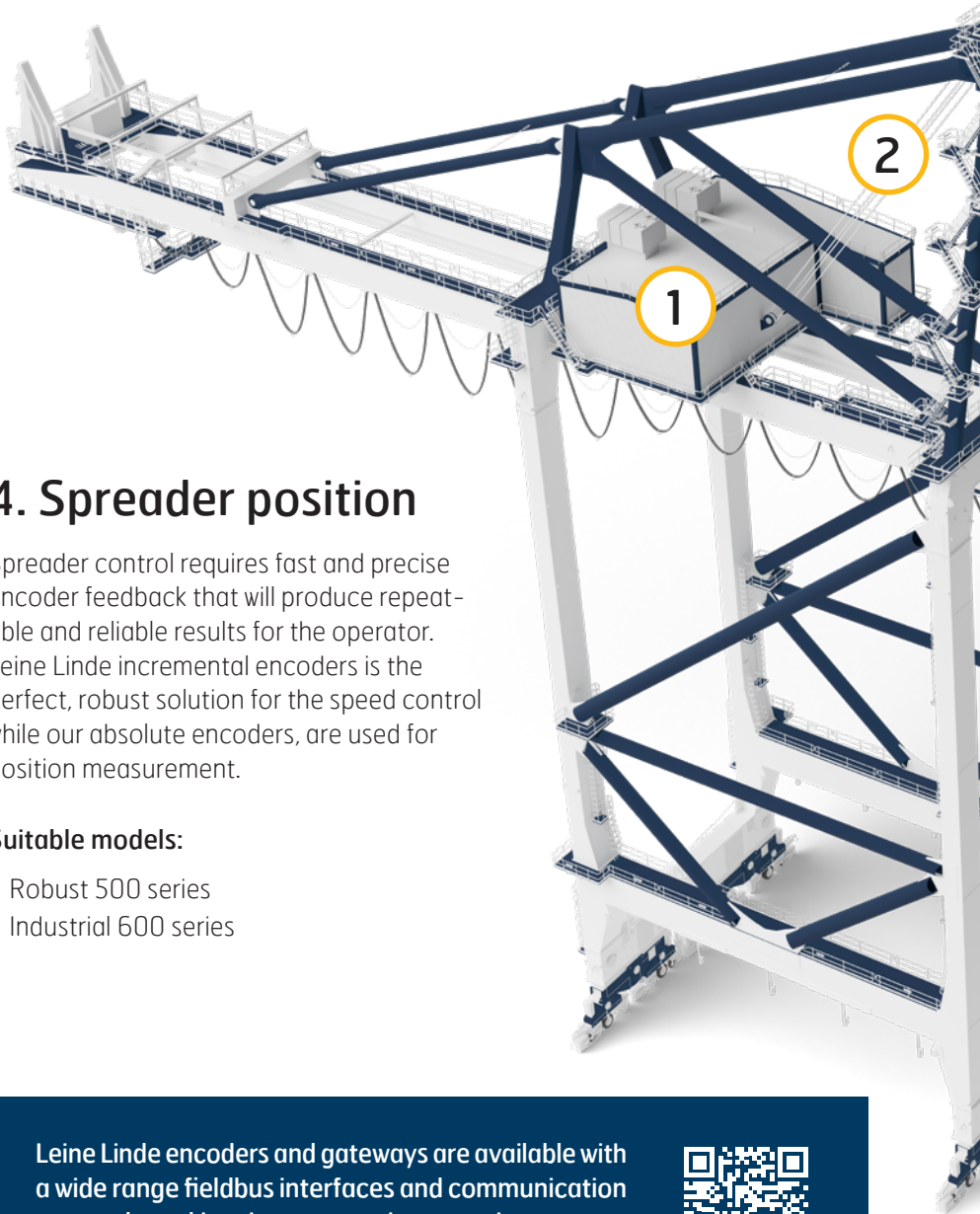
For the crane main hoist, Leine Linde's incremental encoders are used for speed and position monitoring and to detect overspeed, underspeed or standstill.

Absolute encoders mounted on the drum provides position data and to provide speed related alarms, sometimes through a separate speed monitor. Encoders with integrated func-

tional safety (FSI) can be connected directly to a safety loop or emergency brake.

Suitable models:

- Heavy-duty 800 series
- ADS Uptime 800 series
- FSI 800 series
- FSI 900
- Bearingless 2000



4. Spreader position

Spreader control requires fast and precise encoder feedback that will produce repeatable and reliable results for the operator. Leine Linde incremental encoders is the perfect, robust solution for the speed control while our absolute encoders, are used for position measurement.

Suitable models:

- Robust 500 series
- Industrial 600 series

Leine Linde encoders and gateways are available with a wide range of fieldbus interfaces and communication protocols, making them easy to integrate in your process control system. Scan the QR code to read more.



5. Cable reel rotation

Make sure the power cable is not stretched and damaged by using an encoder to keep track of the cable reel's position.

Suitable models:

- Heavy-duty 800 series

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Encoders & Sensors made in Sweden

Leine Linde is a leading manufacturer of robust encoders, sensors, and system electronics for industrial applications. The products are primarily used for positioning or velocity feedback and known for their robustness, performance and reliability. Our solutions often become the natural choice for heavy-duty operations located in harsh environments such as in port operation or on cranes.

6. Travel control

For efficient operations in the harbor, STS, RTG and RMG cranes need to move to a new position several times per day.

For these crane types, Leine Linde encoders provide accurate gantry position feedback through a wide variety of fieldbus and communication protocols.

Suitable models:

- Industrial 600 series
- Heavy-duty 800 series
- FSI 900 series

Functional safety


Several of the most robust rotary encoders on the market come from Leine Linde. These encoder solutions have extremely high durability and accuracy, which make them the most suitable components for functional safety systems. Scan the QR code to read more.



Condition monitoring

By providing relevant diagnostics, encoders today are so much more than just encoders. With their condition monitoring functionalities, they enable predictive maintenance and problem-free operation time. Scan the QR code to read more.



A large container ship is docked at a port, with a crane arm extending from the top right corner of the frame. The ship is blue and white, and the crane arm is brown and white. The sky is clear blue.

The best encoders and sensors are those you never have to think about. Those that simply do their job – year after year. Leine Linde develops and manufactures customized encoder and sensor solutions for demanding environments, advanced measuring systems for accurate feedback of speed, position or strain.

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