

Encoders for Agriculture

In today's precision agriculture, reliable motion feedback is key to automation, efficiency, and smarter farming. From steering angle control and harvesting systems, encoders deliver the real-time data that keeps modern farm equipment operating accurately. EPC offers rugged, customizable encoder solutions built to withstand dust, mud, vibration, and extreme weather, perfect for the demands of agricultural machinery.

Where Encoders Are Used

Autonomous Tractors

- Implement and Attachment Control: 15T Incremental Shaft Encoder

Self-Propelled Sprayers

- Position Tracking: A58SBS IP69K Stainless Steel Absolute Encoder

Combines & Harvesters

- Steering Angle Feedback: CANopen Safety Encoder

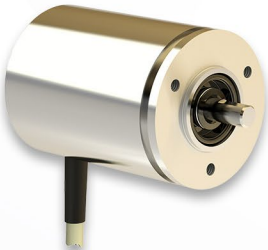
Boom Control

- Automated Sprayer Boom Control: A58 & A36 Absolute Encoders



15T
Incremental Encoder

CANopen
safety easy to use
TBN/TRN/TMN
Safety Encoder



A58SBS
IP69K Absolute Encoder



ATTACHMENT CONTROL

IMPLEMENT CONTROL

STEERING ANGLE FEEDBACK

POSITION TRACKING

Quality You Can Rely On. Outstanding Value.



Replacement Encoders

In four easy steps, BEPC can cross-reference almost any competitor's encoder to get you back up and running with an BEPC encoder.

Need more help?
Contact us!



Encoders for CONSTRUCTION & AGRICULTURE

Stationary and Mobile Equipment



Your responsive experts in motion control

Encoders for Construction

POSITION. SPEED. SAFETY. BUILT FOR HARSH ENVIRONMENTS.

Mobile equipment depends on accurate motion feedback to operate safely and efficiently. Encoder Products Group delivers CANopen Safety and absolute encoder solutions designed for cranes, booms, asphalt plants, and autonomous construction vehicles — even in the harshest environments.

Where Encoders Are Used

Cranes & Booms

- **Boom Angle Feedback:** CANopen Safety Encoder
- **Winch Hoist Rotation:** A58 & A36 Absolute Encoders
- **Boom Length Feedback:** Draw Wire Encoder
- **Outrigger Position:** Draw Wire Encoder
- **Slew Rotation Position:** Slew Ring Software

Asphalt Plant Automation

- **Zero-Speed Detection:** 25T & 702 Incremental Encoders
- **Bucket Elevator Speed:** 25T & 702 Incremental Encoders

Autonomous Construction Vehicles

- **Superstructure position on ring gear:** A58 & A36 Absolute Encoders

Functional Safety for Critical Motion

When motion impacts people, loads, and equipment, functional safety matters.

- Safety-rated position and speed feedback/monitoring
- CANopen Safety protocol
- Designed for boom, lift, and slew axes
- Supports overload protection and collision avoidance

SIL2
SIL3
PLd
PLe
CAT3

Reliable Absolute Feedback—No Homing Required

BEPC's A36 and A58 absolute encoders deliver precise position feedback for mobile control systems that power on and off in the field. Commonly used for steering and articulation, conveying and material handling, as well as drive motors and rotation axes.

A36

- Compact, versatile design
- CANopen, J1939, SSI, and IO-Link

A58

- Heavy-duty sealing, up to IP69K
- Built for harsh, outdoor environments

Need Help Choosing the Right Encoder?

BEPC helps match the right encoder technology — safety-rated or standard — to your mobile equipment application.



LCX Draw Wire Encoder



BOOM LENGTH

BOOM ANGLE

WINCH HOIST ROTATION

TRT42/S3 with Measuring Gear Rotary Safety Encoder



SLEW ROTATION POSITION

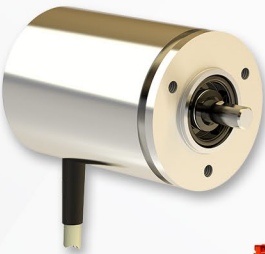
25T Incremental Encoder



ZERO-SPEED DETECTION

BUCKET ELEVATOR SPEED

Safe Encoder Output for Autonomous Mobile Equipment



CANopen safety easy to use

TBN/TRN/TMN Safety Encoder



A58 Absolute Encoder



A36 Absolute Encoder

SUPERSTRUCTURE POSITION

OUTRIGGER POSITION