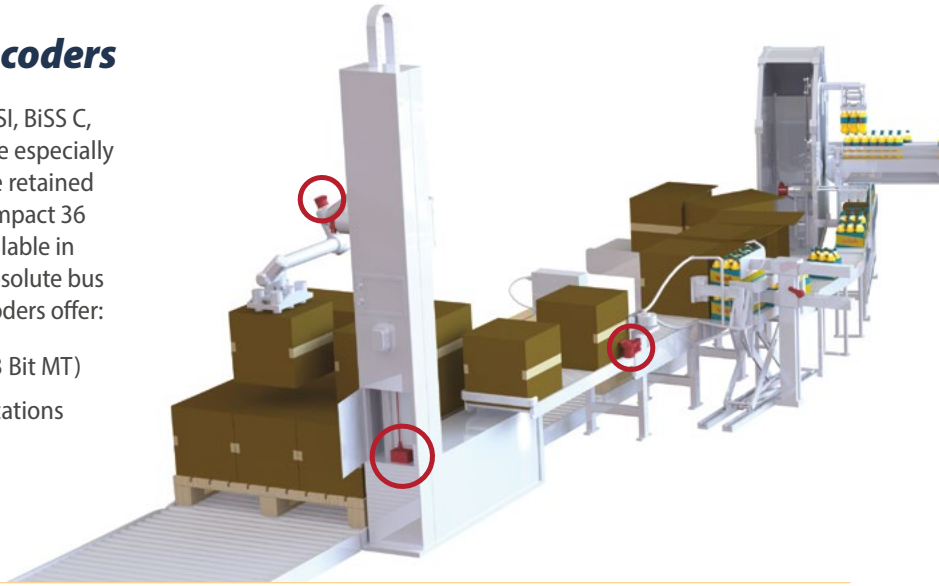
ENCODER PRODUCTS COMPANY

Absolute Motion Feedback
with EPC's Bus Absolute Encoders

Single and Multi-Turn Absolute Encoders

EPC's absolute bus encoders offer CANopen®, SAE J1939, SSI, BiSS C, or IO-Link communication protocols. Absolute encoders are especially suited for applications where position information must be retained after loss of system power. With size options including a compact 36 mm, a robust 58 mm, and a standard Size 25 (2.5"), and available in shaft, thru-bore (***A36R***), or blind hollow bore, EPC has an absolute bus encoder for your application. These industrial absolute encoders offer:

- Single/multi-turn absolute encoder (up to 22 Bit ST / 43 Bit MT)
- CANopen®, SAE J1939, SSI, BiSS C, or IO-Link communications
- Turns counting via energy-harvesting technology or battery back-up in some models
- Meet CE/EMC standards for immunity and emissions



Compact, High Resolution Absolute Feedback

A36R

The new, compact 36 mm ***A36R*** offers absolute feedback in a slim 1.0" thru-bore or blind hollow bore design. Reflective technology allows for high accuracy and resolutions to 22 Bit single turn and 24 Bit multi-turn. Bore sizes to 10 mm and a variety of flex mounts make the ***A36R*** ideal for motors.



BiSS INTERFACE SSI Synchronous Serial Interface

Maintenance Free Absolute Feedback

A36SB & A36HB

Available with a range of configurations, the 36 mm ***A36SB*** and ***A36HB*** are easily designed into a variety of applications. The ***A36SB*** offers sealing up to IP69K, and the ***A36HB*** up to IP67. The blind hollow bore ***A36HB*** offers a flex mount that eliminates couplings and is ideal for motors.



CANopen SAE J1939 SSI Synchronous Serial Interface IO-Link

IP69K Rated Absolute Feedback

A58SB & A58HB

Highly configurable, the ***A58SB*** and ***A58HB*** offer a variety of mounting and connector types. The ***A58SB*** offers sealing up to IP69K, and the ***A58HB*** up to IP67. These robust 58 mm encoders are ideal for rugged industrial applications.



CANopen SAE J1939 SSI Synchronous Serial Interface IO-Link

Harsh Industrial Absolute Feedback

A25SB

The ***A25SB*** comes in a standard Size 25 package (2.5" x 2.5") and offers sealing up to IP67. With a variety of shaft sizes and either servo or flange mounts, it also offers a proven double bearing design.



CANopen SAE J1939 SSI Synchronous Serial Interface IO-Link

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ENCODER PRODUCTS COMPANY

Absolute Motion Feedback
with Ethernet-Ready Absolute Encoders

Ethernet Absolute Encoders

Easily designed into a wide variety of system applications, the ***A58SE*** (shaft) or ***A58HE*** (blind hollow bore) encoders plug directly into your network with minimal provisioning for rapid deployment, facilitating data exchange among myriad networked devices. These encoders retain absolute position information even after a power loss, facilitating speedy system recovery at start-up without the need for system re-homing.

Heavy Duty Ethernet Based Connectivity

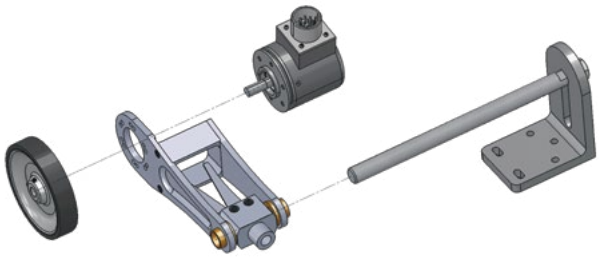
A58SE & A58HE

- Single/multi-turn absolute encoder (up to 16 Bit ST / 43 Bit MT)
- Short cycle time
- Distributed clock mode
- 58 mm (2.28") diameter package available in shaft or blind hollow bore
- ***A58SE*** (shaft) with clamping flange is compatible with ***PLMS*** and ***LCX*** for absolute feedback in a linear measurement solution.



EtherNet/IP™ EtherCAT® PROFINET®

Linear Measurement Solutions with Absolute Feedback



Programmable Linear Measurement

PLMS

The Programmable Linear Measurement Solution (***PLMS***) is an option for applications requiring absolute feedback with a measuring wheel. This can be used with the Ethernet-ready ***A58SE*** and the ***A58SB*** & ***A25SB*** bus encoders.



Versatility with Linear Measurement

LCX DRAW WIRE

The ***LCX*** draw wire solutions offer lengths up to 42.5 meters and absolute feedback with the Ethernet-ready ***A58SE*** and the ***A58SB*** bus encoders.



Not sure which motion feedback is right for your application? Give us a call. When you call EPC, you talk to engineers and encoder experts who can help you specify the right encoder solution for your motion control application. Call EPC today.

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