

# HEIDENHAIN

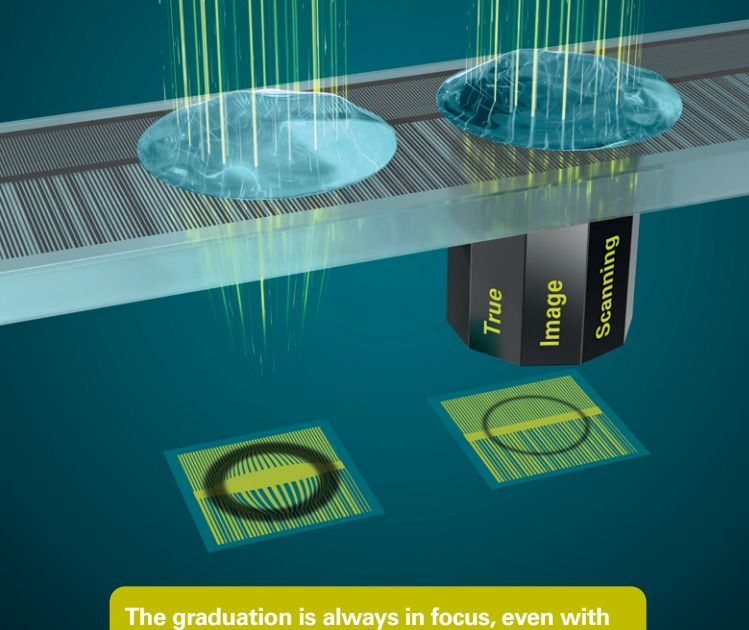


**TRUE IMAGE  
TECHNOLOGY**

## **Angle Encoders**

For High Productivity

[www.heidenhain.com](http://www.heidenhain.com)



The graduation is always in focus, even with liquid contamination and condensation

#### Reduce your carbon footprint

- ▶ Usable in almost all applications without needing purge air

#### Increase machine availability

- ▶ Remain productive thanks to contamination-resistant scanning optics

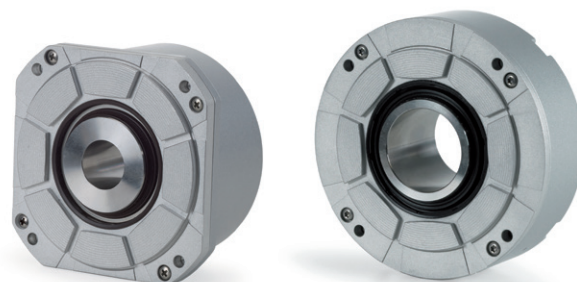
#### Reduce your TCO

- ▶ Fewer components needed in the machine results in faster installation times

#### Broad versatility

- ▶ HEIDENHAIN offers an extensive product program with True Image technology

Additional information about our True Image technology



#### Absolute angle encoders

With hollow shaft  $\varnothing$  20 mm and  $\varnothing$  35 mm

#### Areas of application

- Rotary tables (typically up to  $\varnothing$  1 m)
- Tilting and swivel axes
- Direct-drive motors

#### Characteristics

- Very high signal quality
- Very high reliability
- Simple installation with generous mounting tolerances
- In most cases, no purge air is needed

#### Specifications

- System accuracy  $\pm 2''/\pm 4''$
- Line count 16384
- Resolution 28 bits/26 bits
- Hollow shaft RCN 2001  $\varnothing$  20
- RCN 5001  $\varnothing$  35

#### Interfaces

- EnDat 2.2
- Fanuc
- Mitsubishi
- Panasonic

## True Image scanning technology

Clear readings even with contamination

## RCN 2001

## RCN 5001



### Absolute angle encoders

With hollow shaft  $\varnothing$  60 mm and  $\varnothing$  100 mm

#### Areas of application

- Rotary tables (for large working spaces)
- Tilting and swivel axes
- Direct-drive motors

#### Characteristics

- Very high signal quality
- Very high reliability
- Simple installation with generous mounting tolerances
- In most cases, no purge air is needed

#### Specifications

- |                   |   |
|-------------------|---|
| • System accuracy | $\pm 1''/\pm 2''$                         |
| • Line count      | 32 768                                    |
| • Resolution      | 29 bits                                   |
| • Hollow shaft    | $\varnothing$ 60 mm, $\varnothing$ 100 mm |

#### Interfaces

- EnDat 2.2
- Fanuc
- Mitsubishi
- Panasonic

**RCN 8001**



### Signal converters

In cable design

#### Areas of application

- Angle encoders
- Linear encoders
- Absolute rotary encoders
- Length gauges

#### Characteristics

- Support encoders with functional safety
- Require no parameterization
- Transmit online diagnostic data and temperature information from the encoder

#### Specifications

- |                         |                                  |
|-------------------------|----------------------------------|
| • Input interface       | EnDat 2.2 (purely serial)        |
| • Output interface      | DRIVE-CLiQ, FANUC                |
| • Electrical connection | Versions with various connectors |
| • Protection rating     | IP65                             |

DRIVE-CLiQ is a registered trademark of Siemens AG.

**EIB 3392 S**  
**EIB 3392 F**

# CO<sub>2</sub>



## **Sustainable and reliable**

Intelligent solutions that reduce costs and increase your machine performance

- **Linear and angle encoders**  
Reduce your CO<sub>2</sub> footprint by up to 99%
- **Signal converters**  
Shrink your inventory
- **Inspection and testing devices**  
Utilize more operating data
- **Touch probes and vision systems**  
Gain up to 30% more productive time

# REDUCE CO<sub>2</sub>

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