

HEIDENHAIN

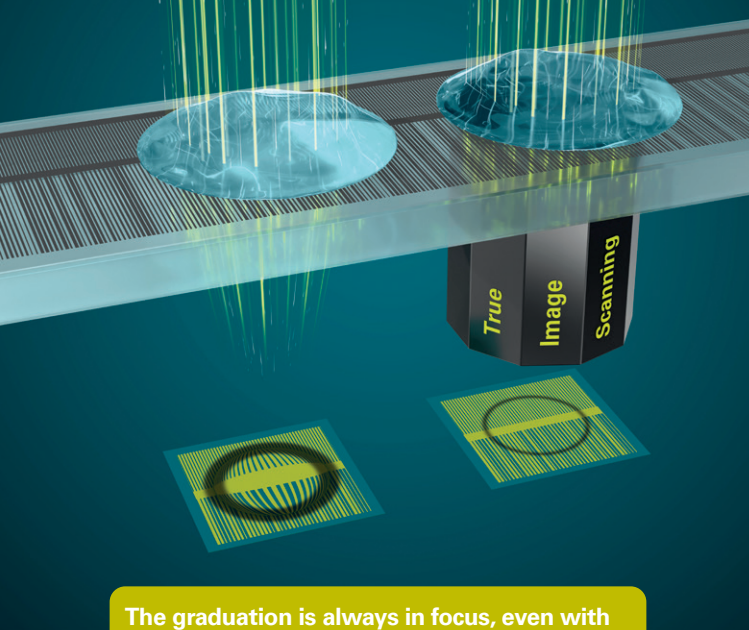


**TRUE IMAGE
TECHNOLOGY**

Linear Encoders

For Numerically Controlled Machine Tools

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



**TRUE IMAGE
TECHNOLOGY**



Absolute sealed linear encoder

The standard device for machine tools

Areas of application

- Highly dynamic machines
- Direct-drive motors

Characteristics

- High signal quality and reliability
- High vibration resistance
- In most cases, no purge air is needed

Specifications

- Accuracy grade $\pm 3 \mu\text{m}$, $\pm 5 \mu\text{m}$
- Signal period $20 \mu\text{m}$
- Resolution Down to 1 nm
- Measuring length Up to 4240 mm

Interfaces

- EnDat 2.2 FS
- DRIVE-CLiQ FS
- Mitsubishi
- Fanuc



DRIVE-CLiQ is a registered trademark of Siemens AG.

True Image scanning technology

Clear readings even with contamination

LC 100

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TECHNOLOGY**



Absolute sealed linear encoder

Low installation space requirements

Areas of application

- Highly dynamic machines
- Direct-drive motors

Characteristics

- High signal quality and reliability
- In most cases, no purge air is needed

Specifications

- Accuracy grade $\pm 3 \mu\text{m}, \pm 5 \mu\text{m}$
- Signal period $20 \mu\text{m}$
- Resolution Down to 1 nm
- Measuring length Up to 2040 mm

Interfaces

- EnDat 2.2 FS
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LC 400

**TRUE IMAGE
TECHNOLOGY**



Absolute sealed linear encoder

The standard device for large machine tools

Areas of application

- Machines with large traverse paths
- Direct-drive motors

Characteristics

- High signal quality and reliability
- Easy mounting even with the multi-section version
- In most cases, no purge air is needed

Specifications

- Accuracy grade $\pm 5 \mu\text{m}$
- Signal period $40 \mu\text{m}$
- Resolution Down to 1 nm
- Measuring length Up to 28040 mm

Interfaces

- EnDat 2.2
- Fanuc
- Mitsubishi

LC 200

CO₂



Sustainable and reliable

Intelligent solutions that reduce costs and increase your machine performance

- **Linear and angle encoders**
Reduce your CO₂ 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 CO₂

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