Flexible, multi-functional measurement control system for the production process
Movoline ESZ400

You can use the powerful measurement, processing and display electronics of the ESZ400 throughout the entire production process: in real-time while processing a workpiece, as well as in pre-production and post-production, such as when carrying out match grinding processes or as a means of quality control.

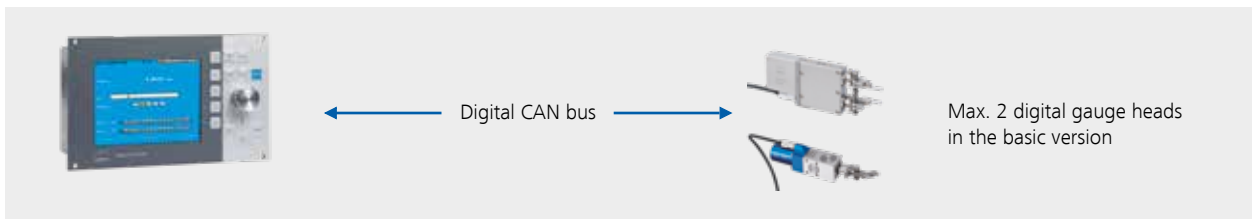### To measure

– Diameter
– Length and longitudinal position

System characteristics

– For uninterrupted or interrupted surfaces
– Passive or active positioning
– Up to 16 Movoline gauge heads can be connected via a CAN connector box
– With standard or customer-specific software
– Maximum flexibility when configuring interfaces and measurement tasks
– Digital and thus interference-free data transmission
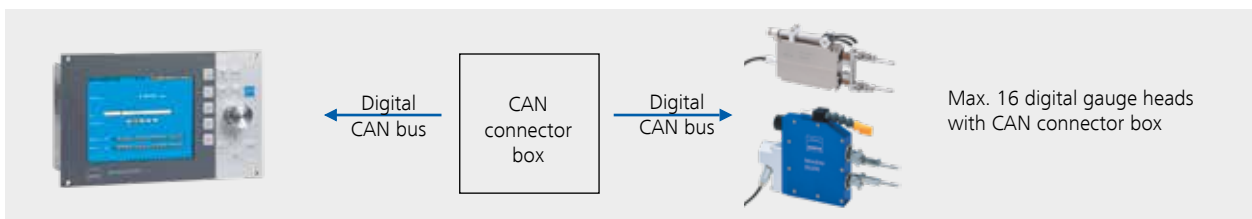– Measurement precision, even with minimal workpiece tolerances

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Basic system

Digital CAN bus

Max. 2 digital gauge heads
in the basic version

Expandable system

Digital
CAN bus

CAN
connector
box

Digital
CAN bus

Max. 16 digital gauge heads
with CAN connector box

Integration

The compact ESZ400 measurement control unit is available as a ½ 19" model for rack installation with integrated display. The device is easily operated via a rotary knob and function keys. Displayed content and formats can be freely programmed. To facilitate the data entry process, you can connect a PS/2 keyboard to the device.

Display

The ESZ400 features a 5.5" color TFT flat screen, providing a particularly clear, graphical representation of your data.

Electronic properties

A single CAN bus cable is used for operation and to connect to the gauge heads. The measurement data is transmitted digitally, providing for interference-free transmission, and independent of the cable length. By using modern fieldbus technology, the number of cables needed when using multiple gauge heads on the ESZ400 can be kept to a manageable level.

Technical data

Power supply	24 VDC
Movoline gauge heads	
Basic version	2 digital gauge heads
With CAN connector box	up to 16 digital gauge heads
Control inputs basic module	0
Control inputs with CAN connector	16
Type	24 VDC, 10 mA, Common: 0 VDC
Control outputs basic module	0
Control outputs with CAN connector	5
Type	24 VDC, 100 mA (optocoupler), Common: 24 VDC
Interfaces	PROFIBUS®, RS232
Dimensions [H x W x D]	129 x 214 x 78 mm

JENOPTIK