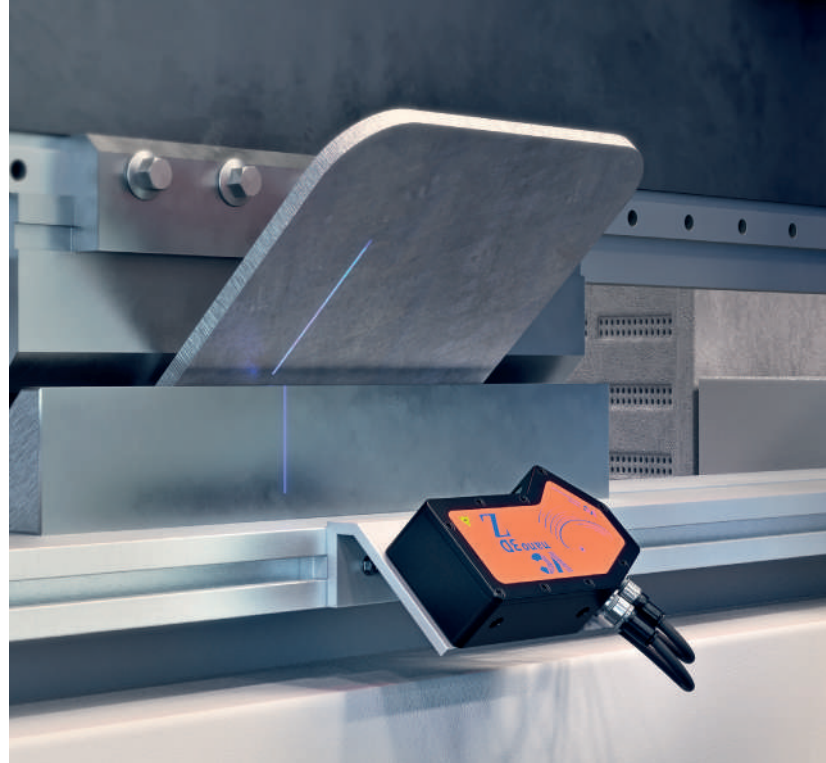


Optical Angle Measurement

Made in Germany



Plug&Play Solution for OEM Provider

3D angle measurement in sheet metal bending enables direct readjustment of processes and thus reduces the production of faulty parts. Vision Components offers manufacturers of press brakes and similar applications intelligent systems, that check angular accuracy and transfer their measurement results directly and in real time to the machine controller. The systems do not require an external computing unit and can be deployed quick and easy. This saves costs and reduces complexity.

- ✓ *Stand-alone systems, no PC required*
- ✓ *Accuracy better than +/- 0.05°*
- ✓ *Easy connection to any controller / PLC*



Specially developed for OEM applications



Fast and easy connection to any controller



With visible high power blue laser



Modular system for individual sensors

Your Benefits at a Glance

- Angle measurement between workpiece and die
- For steel, sheet metal and foiled / shiny materials
- Large detection range for dies from V6 - V180 (other dies on request)
- Real time comparison with reference value
- High power blue laser: class 2, insensitive to ambient light up to 100,000 Lux
- Scan frequency up to 400 Hertz
- Already integrated in DELEM controllers
- Suitable for industrial use (IP67) and long-term available

Technical Data

VC nano3D-Z 630 regular*

Die width
V6 - V180

Die height
55 mm - 150 mm

Working distance
80 mm - 320 mm

Scan rate
up to 400 Hz

Laser
Class 2, 450 nm

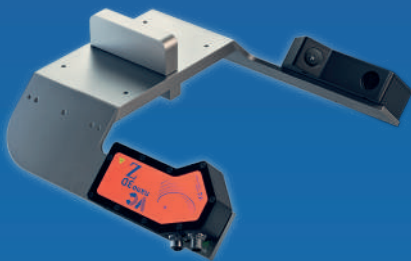
Input voltage
24 V

Interface
**Ethernet / digital In-/
Output**

Enclosure rating
according to IP67

Dimensions
140 x 83 x 37 mm

*Other versions for greater dies are available on request



Easy Mounting and Adapter Board for Test Operations

The VC nano3D-Z sensors can be easily and precisely mounted on any system thanks to their rear dowel holes. A corresponding adapter board is available for test operation, with which two sensors for front and rear angle measurement can be attached tool-free.

Plug&Play system, individual design or electronic kit:
Choose the perfect level of integration.

Talk to us about your project!

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