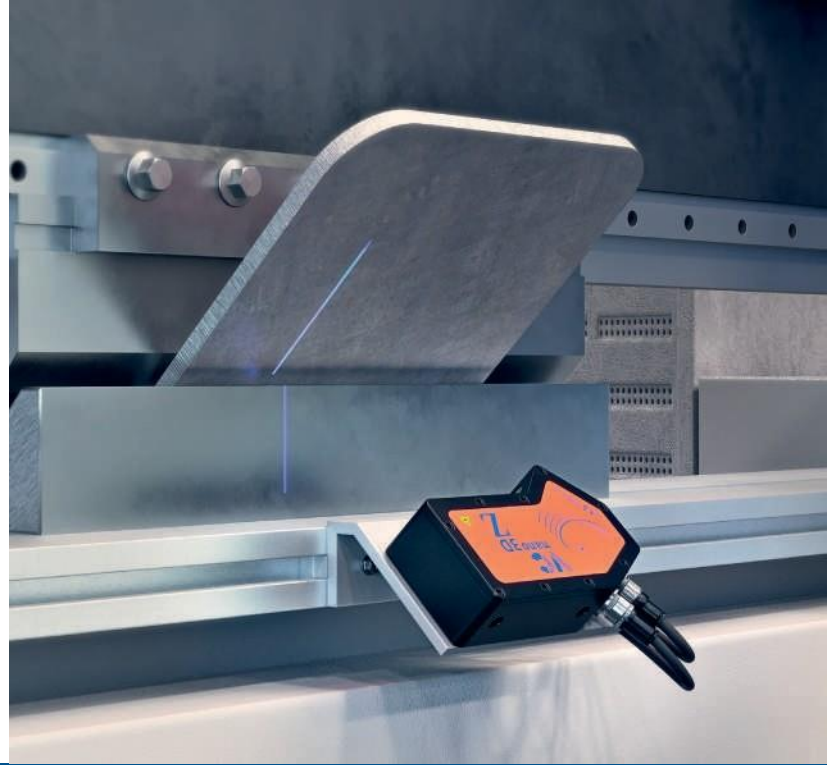


# Optical Angle Measurement

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.

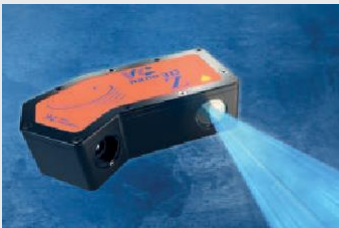
- ✓ *Stand-alone systems, no PC required*
- ✓ *Accuracy better than  $\pm 0.5^\circ$*
- ✓ *Easy connection to any controller / PLC*



*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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Alaaddinbey Mah. İzmir Yolu Üzeri  
Cengizhan İş Merkezi No: 297/A K:2 D:37  
Nilüfer / BURSA / TÜRKİYE

[info@doraymakina.com](mailto:info@doraymakina.com)

