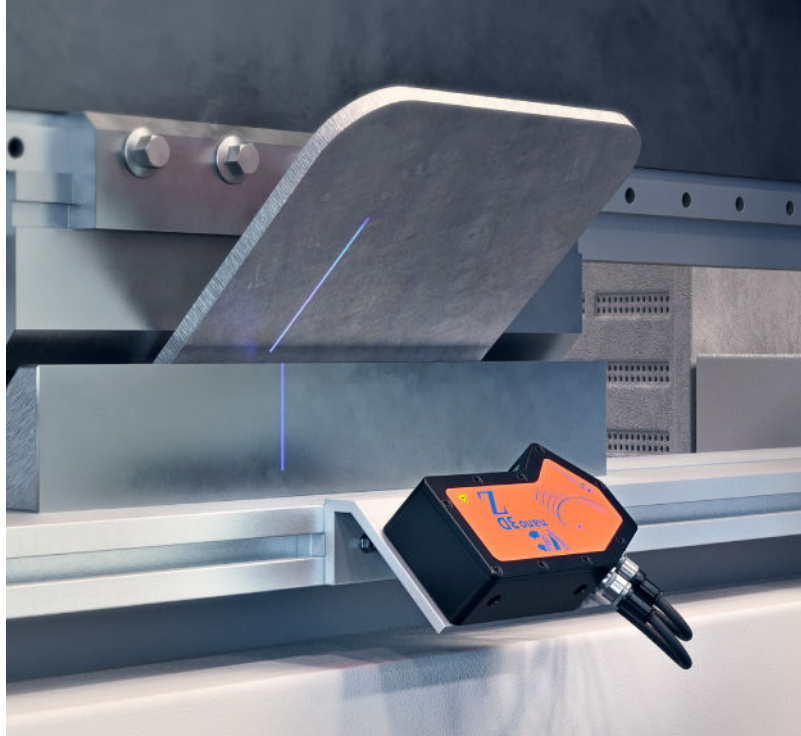


# Optical Angle Measurement Made in Germany



## 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 effort.

- ✓ Stand-alone systems, no PC required
- ✓ No calibration necessary
- ✓ Measurement resolution better  $\pm 0.05^\circ$
- ✓ Easy connection to any controller/PLC



Specially developed for  
OEM applications

**CYBELEC**  
INFRAOR GROUP COMPANY

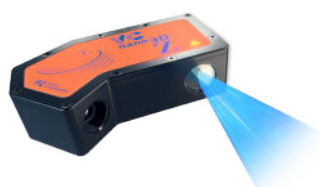
**Delem**  
Part of KEB group

**Laimore**

**esa**

**STEP  
AUTOMATION**

Easy to connect,  
already integrated in  
many systems



With visible high power  
blue laser, class 2



Modular system for  
individual sensors

# High Precision Laser Profiler

- Fully calibrated system
- Direct output of the workpiece angle in degrees
- Large detection range for dies from V6 - V200 (other dies on request)
- Industrial grade (IP67)
- Insensitive to ambient light up to 100.000 Lux
- For steel, sheet metal and foiled/shiny materials
- High power blue laser, class 2
- Real time comparison with reference value
- Scan frequency up to 400 Hertz
- Output of sensor grayscale image possible

## Technical Data

VC nano3D-Z 630 regular\*

Die width  
**V6 - V200**

Die height  
**55 mm - 150 mm**

Laser  
**Class 2, 450 nm**

Input voltage  
**24 V**

Scan rate  
**up to 400 Hz**

Working distance  
**80 mm - 320 mm**

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

Dimensions (mm)  
**140 x 83 x 37**

Ingress protection  
**according to IP67**

\*Other versions for greater dies are available on request

## Easy Mounting and Setup

### Portable Mounting Kit (PMK)

- ✓ For quick and easy testing of the sensors and mounting on existing machines
- ✓ Three sizes:
  - V6-V70, highest accuracy
  - V6-V160, large spectrum, smaller dies
  - V60-V200, large spectrum, larger dies



### Mounting Detection Tool (MDT)

- ✓ Fast and one-time acquisition of the actual sensor position
- ✓ Simplified determination of angle, X, R values to setup the control system
- ✓ Easy functional check of the sensor



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For which application do you need the perfect laser profiler?

**Talk to us about your project!**