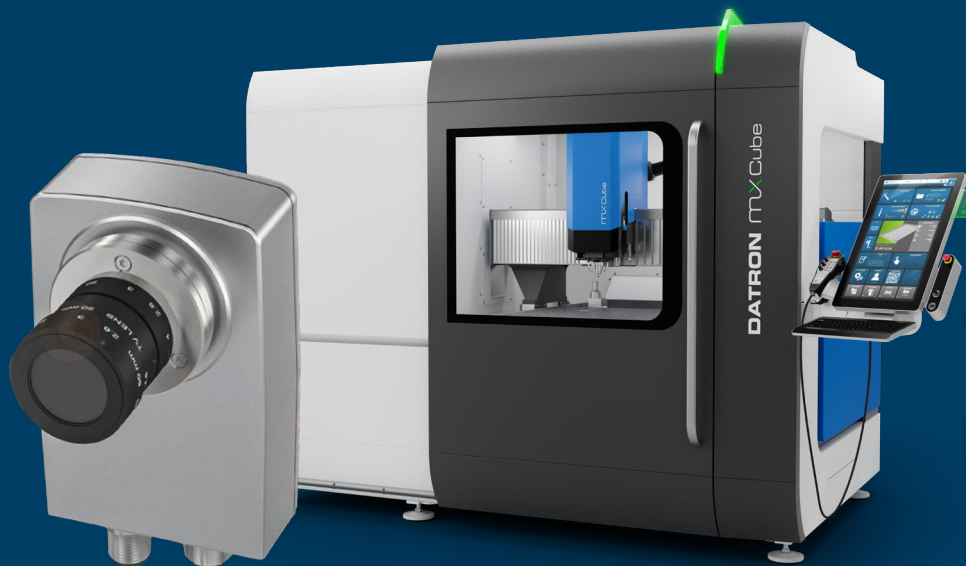# DATRON VISION SYSTEM

With the DATRON Vision System we provide you with a smart image recognition system for visual, high-precision zero point detection. The DATRON Vision System detects the position and/or the torsion of the component and can therefore also be used anywhere where tactile measuring is not possible. Component geometries, free-form contours and fiducial marks are automatically detected. With the DATRON Vision System you have, for example, the possibility to read and process texts or 2D codes to record relevant operating data and to increase process reliability. The DATRON Vision System is fully embedded in the DATRON next control system.

Available for DATRON **M8**Cube, DATRON **ML**Cube, DATRON **MX**Cube with DATRON next+

YOUR ADVANTAGES:

- High-precision, visual zero point determination (position, torsion)

- Intuitive operation and easy set-up through DATRON next control system

- Recognition of free-form geometries, 2D codes and texts

TECHNICAL DATA

- Resolution: 1,280 x 1,024 pixels

- Color: Monochrome (black/white)

- Distance to workpiece surface: approx. 100 mm from bottom of LED ring

- Focal length 50 mm (standard)

- Image detail approx. 12 mm x 9 mm at distance 100 mm

- Protection class: IP67

- Measuring accuracy < 0.01 mm (constant working environment mandatory)

SCOPE OF DELIVERY

- Smart camera with integrated image processing

- Lens 50 mm

- LED illumination (white) for vision sensor

- Calibration sample

- Various connection and setup utensils