

# Ürün bilgileri

## Optical devices with tailstock Mar4D PLQ 3200-T2

### Ürün özellikleri

#### • Speed:

- Axis movements with a unique speed of up to 200 mm/s
- Very fast and high-resolution matrix camera with a large field of view of 15x10 mm (WxH)
- Joint evaluation of all collected measurement data via MarWin

#### • Productivity:

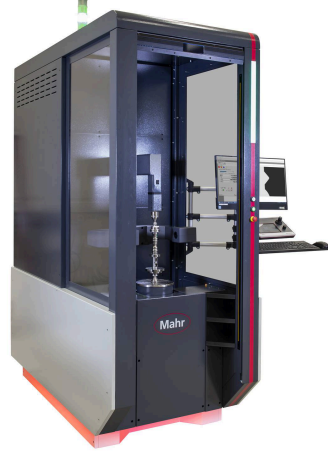
- Many different measuring functions combined in one device
- Flexible measurement of workpieces with up to D=210 mm, L=1000 mm and 20 kg directly in production next to the production machines
- Increase in measuring capacities and reduced waiting times

#### • Precision:

- Integrated environmental controls, such as active temperature compensation of the device, ensure consistent measurement quality and significantly reduce waste.
- The motorized tailstock with clamping force monitoring prevents operator influences and increases the reproducibility of the measurement results

#### • User-friendliness:

- The ergonomic housing and interior design enables convenient and gentle operation for many hours
- Light curtains and interior monitoring protect people and measuring devices
- All devices are "robot-ready" and automation solutions, such as robot loading, can be implemented quickly and directly through our specialized MES department



Malzeme no.: 5553202

### Teknik veriler

|   |   |
|---|---|
| <b>Travel/measuring path X1 axis</b>      | 200 mm  |
| <b>Pos./Meas. path Z-axis</b>             | 1000 mm   |
| <b>Positioning speed C-axis</b>           | 0.2 - 120 1/min   |
| <b>Positioning speed X1 axis</b>          | 0.5 - 200 mm/s  |
| <b>Positioning speed Z-axis</b>           | 0.5 - 200 mm/s  |
| <b>Workpiece length max.</b>              | 1000 mm   |
| <b>Workpiece diameter max.</b>            | 210 mm  |
| <b>Table load max.</b>                    | 20 kg   |
| <b>Error limit Length</b>                 | $MPE \leq (2.4 + l/200) \mu\text{m}; 'l' \text{ in mm}$                         |
| <b>Error limit diameter</b>               | $MPE \leq (1.3 + d/150) \mu\text{m}; 'd' \text{ in mm}$                         |
| <b>Measured value resolution Length</b>   | 0.01 - 0.0001 mm  |
| <b>Measured value resolution diameter</b> | 0.01 - 0.0001 mm  |
| <b>Angular resolution</b>                 | 0.01 - 0.0001 °   |
| <b>Çalışma sıcaklığı</b>                  | 20 °C   |
| <b>Sensors</b>                            | optical   |
| <b>Optical system</b>                     | telecentric precision optics, image field approx. 15 x 10 mm (W x H)            |
| <b>Camera system</b>                      | CMOS matrix camera  |
| <b>Special equipment</b>                  | motorized tailstock   |
| <b>Measuring computer</b>                 | AIO PC or industrial AIO PC with UPS (each incl. Microsoft Windows 10 IoT LTSC) |
| <b>Çalışma sıcaklığı</b>                  | 10 °C - 35 °C   |
| <b>Depolama ve taşıma sıcaklığı</b>       | 5 °C - 60 °C  |
| <b>Sound pressure level</b>               | <75 dB(A)   |
| <b>Nem (metin)</b>                        | max. 70 %; non-condensing   |
| <b>Mains voltage</b>                      | 90 – 240 V  |
| <b>Mains frequency</b>                    | 50/60 Hz  |
| <b>Güç tüketimi</b>                       | 850 W   |
| <b>Transportation options</b>             | suitable for air freight  |
| <b>Standart aksesuarları (metin)</b>      | PC holder and two 60° centering tips ( 2 – 44 mm)                               |