

# 제품 정보

## Optical devices with tailstock Mar4D PLQ 3200-T2

### 제품 특징

- 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



품목 번호: 5553202

### 기술 데이터

|                                    |   |
|------------------------------------|---|
| Travel/measuring path X1 axis      | 200 mm  |
| Pos./Meas. path Z-axis             | 1000 mm   |
| Positioning speed C-axis           | 0.2 - 120 1/min   |
| Positioning speed X1 axis          | 0.5 - 200 mm/s  |
| Positioning speed Z-axis           | 0.5 - 200 mm/s  |
| Workpiece length max.              | 1000 mm   |
| Workpiece diameter max.            | 210 mm  |
| Table load max.                    | 20 kg   |
| Error limit Length                 | MPE ≤ (2.4 + l/200) μm; 'l' in mm   |
| Error limit diameter               | MPE ≤ (1.3 + d/150) μm; 'd' in mm   |
| Measured value resolution Length   | 0.01 - 0.0001 mm  |
| Measured value resolution diameter | 0.01 - 0.0001 mm  |
| Angular resolution                 | 0.01 - 0.0001 °   |
| 작동 온도                              | 20 °C   |
| Sensors                            | optical   |
| Optical system                     | telecentric precision optics, image field approx. 15 x 10 mm (W x H)            |
| Camera system                      | CMOS matrix camera  |
| Special equipment                  | motorized tailstock   |
| Measuring computer                 | AIO PC or industrial AIO PC with UPS (each incl. Microsoft Windows 10 IoT LTSC) |
| 작동 온도                              | 10 °C - 35 °C   |
| 보관 및 운송 온도                         | 5 °C - 60 °C  |
| Sound pressure level               | <75 dB(A)   |
| 습도 (텍스트)                           | max. 70 %; non-condensing   |
| Mains voltage                      | 90 - 240V   |
| Mains frequency                    | 50/60 Hz  |
| 전원 소모                              | 850 W   |
| Transportation options             | suitable for air freight  |
| 공급 품목(텍스트)                         | PC holder and two 60° centering tips (∅ 2 - 44 mm)                              |