

製品情報

テールストック付き光学-触覚装置 Mar4D PLQ 4200-T2 (Z=730/50 kg)

製品の特徴

- 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) in effective combination with innovative probe systems
 - Mahr T7W with motorized rotation axis and thus fastest stylus change on the market or RENISHAW SP25M 3D scanning probe system
- 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=730 mm and 50 kg directly in production next to the production machines
 - Increase in measuring capacities and reduced waiting times
- Precision:
 - Compensation of eccentrics of several millimeters to 1 µm in less than 30 seconds
 - 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

品目番号 5554251

技術データ

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|------------------------------------|---|
| Travel/measuring path X1 axis | 200 mm |
| Travel/measuring path X2 axis | 200 mm |
| Travel/measuring path Y-axis | 40 mm |
| Pos.-/Meas. path Z-axis | 730 mm |
| Positioning speed C-axis | 0.2 - 15 l/min |
| Positioning speed X1 axis | 0.5 - 200 mm/s |
| Positioning speed X2 axis | 0.5 - 200 mm/s |
| Positioning speed Y-axis | 0.5 - 50 mm/s |
| Positioning speed Z-axis | 0.5 - 200 mm/s |
| Workpiece length max. | 730 mm |
| Workpiece diameter max. | 210 mm |
| Table load max. | 50 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 ° |
| 作業温度 | 20 °C |
| Sensors | optical tactile |
| Optical system | telecentric precision optics, image field approx. 15 x 10 mm (W x H) |
| Camera system | CMOS matrix camera |
| プローブシステムタイプ | Mahr T7W and/or RENISHAW SP25M |
| Special equipment | motorized tailstock |
| Measuring computer | AIO PC or industrial AIO PC with UPS (each incl. Microsoft Windows 10 IoT LTSC) |
| 動作温度 | 10 °C 終点 35 °C |
| 保管および輸送温度 | 5 °C 終点 60 °C |
| Sound pressure level | <75 dB(A) |
| 湿度 (テキスト) | max. 70 %; non-condensing |
| Mains voltage | 90 - 240 V |
| Mains frequency | 50/60 Hz |



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implemented quickly
and directly through our
specialized MES department

技術データ

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|------------------------|--|
| 消費電力 | 850 W |
| Transportation options | suitable for air freight |
| 付属品 | PC holder and two 60° centering tips (# 2 - 44 mm) |