产品信息

Dimensional Metrology　　Mar4D　　PLQ 3200-T2 (Z=730/20 kg)

产品特性

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 workpieces with up to D=210 mm, L=730 mm and 20 kg measured directly in production next to the production machines

Increased measuring capacities and reduced waiting time

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 implemented quickly and directly via our specialized MES department

物品号：**5553201**

技术数据

Travel/measuring path X1 axis	200 mm
Pos.-/Meas. path Z-axis	730 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.	730 mm
Workpiece diameter max.	210 mm
Table load max.	20 kg
Error limit Length	MPE $\leqslant$ (2.4 + l/200) #m; 'l' in mm
Error limit diameter	MPE $\leqslant$ (1.3 + d/150) #m; '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 °
工作温度	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)
操作温度	10 ° C 到 35 ° C
存储和运输温度	5 ° C 到 60 ° C
Sound pressure level	<75 dB(A)
湿度（文本）	max. 70 %; non-condensing
Mains voltage	90 # 240 V
Mains frequency	50/60 Hz
电源消耗	850 W
Transportation options	suitable for air freight
随附	PC holder and two 60° centering tips (# 2　# 44 mm)