产品信息

带数控工作台的光学设备　　Mar4D　　PLQ 3200-T3 (Z=730/50 kg)

物品号：　**5553253**

产品特性

Speed:

Extremely fast, mechanical-optical workpiece alignment by means of a fully automatic centering and tilting table in combination with the matrix camera

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

Joint evaluation of all collected measurement data via MarWin

Productivity:

Workpieces that were not manufactured between tips are simply clamped in the chuck

Many different measuring functions combined in one device

Flexible workpieces with up to D=210 mm, L=730 mm and 50 kg measured directly in production next to the production machines

Increased measuring capacities and reduced waiting time

Precision:

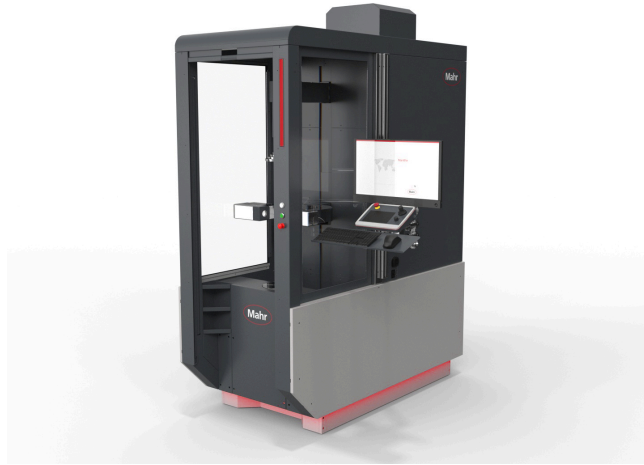# Compensation of eccentrics of several millimeters to 1 μm in less than 30 seconds

Integrated environmental controls, such as active temperature compensation of the device, ensure consistent measurement quality and significantly reduce waste

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

技术数据

Travel/measuring path X1 axis	200 mm
Pos.-/Meas. path Z-axis	730 mm
Positioning speed C-axis	0.2 - 15 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.	50 kg
Error limit Length	MPE ⩽ (2.4 + l/200) #m; 'l' in mm
Error limit diameter	MPE ⩽ (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	CNC table
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