Informations produit

Dimensional Metrology Mar4D Mar4D PLQ 4200-T4 for parts up to L=450/D=210 mm and 50 kg

Propriétés du produit Speed:

Measuring processes in production should be fast above all else. A newly developed control architecture on the Mar4D PLQ 4200 device series therefore ensures that its axes move at a unique speed, such as the C-axis at up to 120 rpm. Fast measurement is also guaranteed by the builtin sensors: the modern, highresolution matrix camera records the measurement data optically at top speed. The tactile probes - Mahr T7W for form features and Renishaw SP25M for 3D features - also impress with their speed. Particularly with the Mar4D PLQ 4200-T4 variant with automatic centering and tilting table, you also benefit from extremely fast alignment thanks to mathematical-mechanical combination technology. Finally, the user-friendly MarWin software platform evaluates all measurement data reliably and as required. The operator can carry out several measurements in just one clamping operation, which also significantly speeds up inspections and therefore

Productivity:

reliable quality statements.

An investment in a Mar4D PLQ 4200 is long-term and futureproof. The device saves costs. time and space in production, as it offers up to five measuring functions in one unit, meaning that our customers can use it to replace up to five other measuring systems. In addition, thanks to its multi-sensor technology, the Mar4D PLQ 4200 can handle a wide range of different measuring tasks, including internal measurement, extremely flexibly, quickly and precisely. Rotationally symmetrical workpieces with a diameter of up to 200 mm, a length of 1,000 mm and a weight of 50 kg can be inspected. Overall, users increase their measuring capacities while waiting times are reduced. In addition, waste is significantly reduced as several integrated environmental controls ensure consistently reliable measuring conditions.

Dracician:



Référence : **5554254**

Caractéristiques techniques

Verfahr-/Messweg X2-Achse 200 Verfahr-/Messweg Y-Achse 40 Verfahr-/Messweg Y-Achse 450 Positioniergeschwindigkeit C-Achse 0.01 - 60 1/min Positioniergeschwindigkeit X1-Achse 0.01 - 200 mm/s Positioniergeschwindigkeit X2-Achse 0.01 - 50 mm/s Positioniergeschwindigkeit Z-Achse 0.01 - 200 mm/s Positioniergeschwindigkeit Z-Achse 0.01 - 0.0001 mm/s Messwertauflösung Länge 0.01 - 0.0001 mm Messwertauflösung 0.01 - 0.0001 mm Durchmesser 0.01 - 0.0001 * Winkelauflösung 0.01 - 0.0001 * Tischbelastung max. 50.00 Fehlergrenze Länge MPE ≤ (2.4 + I/200) μm with 'li in mm Fehlergrenze Durchmesser MPE ≤ (1.3 + d/150) μm with 'd' in mm Werkstücklänge max. 450 Werkstückdurchmesser max. 210 Poids de la pièce maxi 50 Netzspannung 90 - 240 V Netzfrequenz 50/60 Hz Consommation max. 850 Sensorik pitcal tactile Optisches System Telecentric precision	Verfahr-/Messweg X1-Achse	200
Verfahr-/Messweg Z-Achse 450 Positioniergeschwindigkeit C-Achse 0.01 - 60 1/min Positioniergeschwindigkeit X1-Achse 0.01 - 200 mm/s Positioniergeschwindigkeit X2-Achse 0.01 - 50 mm/s Positioniergeschwindigkeit Y-Achse 0.01 - 50 mm/s Positioniergeschwindigkeit Z-Achse 0.01 - 200 mm/s Messwertauflösung Länge 0.01 - 0.0001 mm Messwertauflösung Durchmesser 0.01 - 0.0001 mm Winkelauflösung 0.01 - 0.0001 ° Tischbelastung max. 50.00 Fehlergrenze Länge MPE ≤ (2.4 + 1/200) μm with 'l' in mm Fehlergrenze Durchmesser MPE ≤ (1.3 + d/150) μm with 'd' in mm Werkstücklänge max. 450 Werkstückdurchmesser max. 210 Poids de la pièce maxi 50 Metzspannung 90 - 240 V Netzfrequenz 50/60 Hz Consommation max. 850 Sensorik optical tactile Optisches System Telecentric precision optics, image field approx. 15 x 10 mm (W x H) Kamerasystem Système de palpage Mahr T7W and/or RENISHAW® SP25M Messrechner	Verfahr-/Messweg X2-Achse	200
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force monitoring, PC holder and two 60° centering seats (2 – 44 mm) included with the machine	Messrechner	
Température de service 2 10 °C à 35 °C	Besondere Ausstattung	force monitoring, PC holder and two 60° centering seats (2 – 44 mm)
	Température de service 2	10 °C à 35 °C

Informations produit

Dimensional Metrology Mar4D Mar4D PLQ 4200-T4 for parts up to L=450/D=210 mmcandri5Qukgechniques

Température de stockage et de transport	5 °C à 60 °C
Zulässige Luftfeuchte	max. 70%; non-condensing
Schalldruckpegel	<75 dB(A)
Transportmöglichkeiten	suitable for air freight