

machining centers

universal solutions for precision machining



P1000



P2030

multi-optional systems

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		P1000	P1400	P2000
workpiece size (5-sided machining)				
X - / Y - dimensions	mm	1.000 x 1.000	1.400 x 1.400	2.000 x 2.000
workpiece diameter	mm	Ø 1.400	Ø 2.000	Ø 2.800
Z - dimension	mm	600	700	1.000
drive system				
max. feed rate of the parallel kinematic		60.000 mm/min	60.000 mm/min	45.000 mm/min
max. acceleration in all directions of parallel kinematic		10 m/s ²	10 m/s ²	8 m/s ²
accuracy in full working envelope				
positioning accuracy	mm	±0,010	±0,020	±0,025
repeatable accuracy	mm	0,003		

round tables (torque drive) as 6th axis:

max. Drehzahl: 180 min⁻¹ till 350 min⁻¹
 table size: 800 mm till 2000 mm
 max. table load: 900 till 12.000 kg

linear axis as 7th axis:

linear travel: 800 mm till 5000 mm

main spindles (standard):

tool holder : HSK-A63 / HSK-A80
 power (S1): 14 kW / 25 kW / 30 kW
 max. rpm: 24.000 min⁻¹ / 15.000 min⁻¹ / 12.000 min⁻¹
 engine torque: 28 Nm / 64 Nm / 115 Nm

further options:

automatic tool changer (5 till 120 positions)
 tool measurement device, chip conveyor, extraction system,
 cooling lubricant system, minimum quantity lubrication
 system, workpiece changing automation



metrom

Mechatronische Maschinen GmbH
 Schönaicher Straße 6
 09232 Hartmannsdorf - Germany

phone +49(0) 3722 59 86 - 30
 fax +49(0) 3722 59 86 - 319
 mail info@metrom.com
 web www.metrom.com

