

UNICEN SERIES



COMPLETE PROCESSING & ECONOMIC EFFICIENCY

The UniCen is a turning/milling centre with an integrated B-axis, in which all requirements for complete machining have been implemented in the design.

TURNING: 2-axe as standard, 4-axe as an option

DRILLING: positioning drilling/milling with holding brake

MILLING: up to 5 axes simultaneously

FEATURES

- Absolutely wear-free hydrostatic guide in the Z-axis
- GWeight-compensated cross slide with backlash-free roller guide
- Extremely torsion-resistant design as an inclined bed
- Y-axis included
- Tailstock or counter spindle (option)
- Steady rest or bottom slide (option)
- Available with Siemens control unit
- Spindle unit with concentricity of approx. 0.003 mm

TECHNICAL DATA

		UniCen 1000
		MultiTurn
TURNING LENGTHS	mm	800/1,500
CIRCULATION DIAMETER OVER BED	mm	1,000
CIRCUMFERENTIAL DIAMETER VIA CROSS SLIDE	mm	800
TURNING DIAMETER	mm	1,000
SPINDLE HOLDER DIN 55026		A15
INNER DIAMETER OF DRAWTUBE	mm	126
DRIVE POWER (SIEMENS 100% ED)	kW	44 [58] [81]
MAX. SPINDLE SPEED (SIEMENS)	min ⁻¹	2,000
MAX. TORQUE	Nm	[7,563]
TOOL HOLDER		HSK-A63 [CAPTO]
NUMBER OF TOOL PLACES		36 [60] [90]
DRIVE POWER B-AXLE (100% ED)	kW	36.6
MAX. SPEED	min ⁻¹	7,000

[] = optional versions

Sophisticated workpieces are finished in a single clamping operation. Complex free-form surfaces can be produced with up to five interpolating axes.

The NC-controlled chain magazine or disc magazine is linked to the tool head by a tool changer and has 36 or 30 magazine slots with HSK-A 63 in the standard version, or Capto C6 as an option. Magazines with 60 or 90 places are available. Also available with tool drawer for convenient tool changes in the magazine.

