



OptoTech

MCG 250 CNC Compact

Optical Processing Center
for Universal Purposes



The OptoTech optical processing center MCG 250 CNC Compact provides you with grinding technology for all optical materials in highest precision and flexibility. Whatever you want to produce, whether aspheres, spheres, edging, prisms, cylinders, 3D-optics or drilling holes, the MCG 250 CNC Compact is the perfect machine for these tasks. Five CNC axes and an innovative tool concept grant the requested flexibility.

Smart Solutions for Professionals



Type	MCG 250 CNC Compact
CNC-Axes	5 (X, Z, Y, A, C) optional second Z-Axis available
Working Range Diameter	up to 400 mm (450 asph.) mm
Travel	X-Direction: 500mm Y-Direction: 600mm Z1-Direction: 270mm
A-Axis	+/- 90°
Tool Spindle Speed (upper spindles)	S1 (upper right): 0 - 8000 rpm S3 (upper left): 0 - 20000 rpm other spindle constellations available
Max. Ø Grinding Wheel S1	max. 125 mm
Workpiece Spindle Speed S2 (lower spindle)	0 - 550 rpm or in C-Axis mode
Tool Spindle Interface S3	HSK 63 A
Workpiece Spindle Interface	Flange
Power Requirement	40 KW approx.
Mass	5600 kg approx.
Dimension W x D x H	2000 x 3100 x 2750 mm



- Highly dynamic AC servo drives for X-, Y- and Z-Axis
- Positioning via high resolution linear scales
- Tool changer for up to 15 different tools (Option)
- Siemens Sinumerik 840 D solution line CNC controller
- Microsoft Windows 7 operating system with OptoTech user interface

Standard Cycles:

- Spherical grinding with cup wheels
- Edging of cylindrical shapes with peripheral wheels
- Chamfering on cylindrical shapes with peripheral wheels with chamfer form
- Opto Edge: Edging of non-rotationally symmetric workpieces
- Grinding of aspheres (option)
- Possible by manual CNC-DIN-Programming or Sinumerik ShopMill; Prism processing; Sawing; Drilling cycles

Options
Second Z-Axis
Tool changer
Exhaust filter system for mist collection

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Date: 04-24-2018, subject to change