



OptoTech

SM 130 CNC-TC

Low-Cost Generator for Grinding Spheres or Aspheres with Cup-Type Tools or Grinding Tools with Integrated Edging



The grinding machine SM 130 CNC-TC is the low cost version of a high speed CNC generator. The universal working range, easy handling combined with the most modern grinding technology via standard cup wheel grinding tools or OptoTech KombiTool Technology for pre- and fine grinding offer a machine with an unmatched price-performance-ratio.



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Datos técnicos

SM 130 CNC-TC	
Working Range Diameter	10 mm - 130 mm
Working Range Diameter (aspheres)	10 mm - 150 mm
Working Range Radius	10 mm to plano
Grinding Spindles	2 (pre- and fine grinding spindle)
Tool Spindle	Velocidad de giro: 5000 - 20000 rpm; Accionamiento: Frequency Controlled AC Motor; Interfaz: Hydro Expansion Chuck Ø 25 mm DIN
Workpiece Spindle	Velocidad de giro: 5 - 1500 rpm, infinitely variable; Interfaz: Flange; Clamping System: Vacuum, Collet or Hydro Expansion Chuck
Vacuum	-0.7 bar
Requisitos de presión de aire	5 bar
Requisitos eléctricos (otros bajo pedido)	5 kW / 400 V / 50 Hz
Dimensiones	Ancho: 1425 mm, Altura: 1990 mm, Profundidad: 1765 mm
Peso (aprox.)	2000 kg





Características destacadas

- 3 Spindles (Workpiece Spindle, 2 Grinding Spindles)
- Adjustment of the process parameters via 3-axis CNC-Controller
- Easy to handle due to a CNC controller for parameter input
- OptoTech user interface, Microsoft Windows

Ventajas del sistema

- The ideal low-cost version of an high speed CNC generator
- Easy handling
- Energy-efficient motors: Possible energy savings up to 30% (depending on required power)

Características de rendimiento

Processing Cycles:

- Grinding of spheres with standard cup grinding wheels
- Pre-,grinding, fine grinding and edging with KombiTool or KombiTool+ [\[link\]](#)
- Grinding of a protection chamfer (radii chamfer) with the cup grinding wheel
- Asphere processing with optional software package F-Cube 2D

Opciones

- Asphere processing with optional software package F-Cube 2D