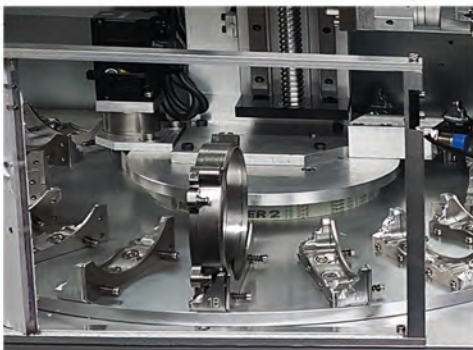




Maschinen GmbH

NOVELTY

The small 5 axis table milling machine
with 20-fold blank changer & 20-fold tool changer



Features:

- * Easy operation
- * Handling easy to learn
- * Simple and flexible programming
- * Dry or wet use
- * Unbeatable price- performance ratio

COBRA Mill *desk51EVO*

Dental milling machine with blank changer



Maschinen GmbH

Materials:

Wax
ZrO
PMMA
Composites
Fiberglas
Gypsum
Glass ceramics
Titan Preforms
COCR in small numbers

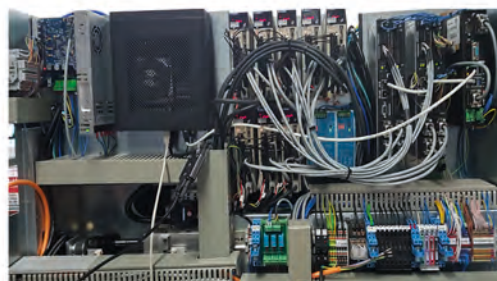
Indications:

Abutments (ZrO auf Ti-Basis)
Models
Crown
Bridges
Bars
Inlays, Onlays
Partial crowns veneers
Veneers
Telescopes crowns



Technical Data

Travel X-axis	125 mm	Flushing medium tank	12 Liter
Travel Y-axis	140 mm	Stainless magnet flushing pump	15 Watt
Travel Z-axis	110 mm	Switchover dry/wet	M Code
Travel A-axis	+/- 32 °	Drawers for tools & Keyboards	2 Stück
Travel B-axis	360 °	Keyboard with mouse	Kombi
Heavy-duty guides (long-term lubricated)	15 mm	Capacitive touchscreen with safety circuit	15 Zoll
Ball screw (long-term lubricated)	Ø 16x5 mm	LED work light with status display	24 VDC 12Watt
Workpiece size	Ø 100 mm	PC for operation and display	WIN 10
max. workpiece weight	1,2 kg	Job manager	MB
Clamping force zero clamping system	6000 N	CNC controller	OPEN Smart
Feed rate max.	6.000 mm/min	Current connection value complete	2,2 kVA
Rapid traverse speed max.	8.000 mm/min	Electric current fuse size	Sicherung Träge16 A
Repeatability	< 0,008 mm	Electrical connection 1 phase/NP/EP	230V/ 50/60Hz
automatic tool length measurement	+/- 0,01 mm	Power grid fluctuation max.	+/- 5%
minimum input value	0,001 mm	Noise level (depending on the material to be milled)	55-68 dB (A)
AC servo system X; Y; Z; A; W	0,64 Nm	Compressed air connection	min. 150 l/min. bei 6,5 bar
AC servo system A; B (gear 100: 1)	0,32 & 0,64 Nm	Connection for suction	3Pol Stecker 1x Um geschaltet
AC servo system C (gear 50: 1)	0,64 Nm	Other connections	1x Netzwerk; 1x USB
Pneumatic system V axis	0-90 °	Space (table size)	1200 x 700 mm
HF spindle Sycotec 33mm	60000min ⁻¹ /Pmax. 0,91 kW	Machine weight	115 kg
Tool diameter max.	(Optional Ø4,0 mm) Ø 3,0 mm	Machine set up measure	1100 x 625 x 750 mm
Number of tools in the tool changer	20 piece	Compressed air check via pressure switch	
Number of workpieces in the magazine	20 piece	Tool breakage check implemented in the tool change macro	



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Dental milling machine