

4 AXES MILLING

DENTAL



MICROLAB 4+ : the compact dental milling machine designed to do things big !

OTHER PRODUCTS IN THE
CHARLYDENTAL RANGE



CD-04-S & CD-05-S
Positioned 4 or 5 axes milling machines



CD50-HM - SD & ADC
5 axes machining center



Scanners



Furnaces

Strengths

**100%
productive**

Enables the machining on **standard blocks** (Ivoclar*, Vita*, 3M*, Dentsply*...) with sizes up to **20 x 15 x 65 mm** or on standard disk.

**100%
integrated**

Only requires a monophased electrical connection to work. **Compressor integrated.** No additional tooling is required.

**100%
versatile**

4 axes milling machine for **wet** and **dry** milling, on a wide range of non metallic materials such as lithium disilicate, zirconia, PMMA, PEEK, WAX, composite resins...

**100%
compatible**

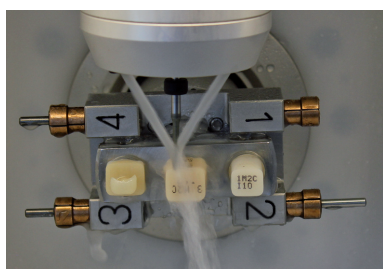
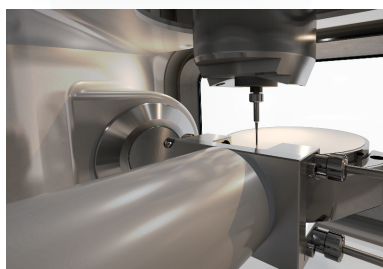
Opened solution. Compatible with all CAD systems generating STL files. Full CAD solution available.



MICROLAB 4+ compact milling machine

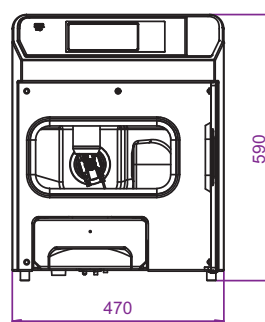
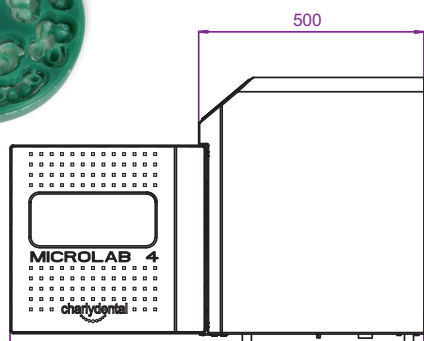
From small individual laboratory to large industrial laboratory.

TECHNICAL DATA	MICROLAB
Axes numbers	4
Rotary axes angulation	360°
Brushless servomotors	✓
Spindle 500 W 100 000 RPM	✓
Automatic tool change	✓
Tool number in tool shop	4
Tool length measurement	✓
Tool breaking detection	✓
Tool wearing detection	✓
« Brothers » tool monitoring	✓
Disk Ø 98.5 mm	✓
Multi-block support Cerec type	✓
Integrated suction nozzle (suction device as option)	✓
Cooling with 2 l tank in closed circuit	✓
Dimensions L x W x H – door closed	500x470x590 mm
Weight (non contractual)	appr. 80 kg
Interface	2 x USB + 1 Ethernet
Power supply	100 - 260 VAC, 45/65 Hz
Integrated Compressed air supply	✓



APPLICATIONS	MICROLAB
Presintered zircon disk milling, in dry, with suction	✓
PMMA/PEEK/WAX disk Ø 98.5mm, in dry or wet mode	✓
Ceramic block or vitro mini block, in wet mode	✓
Provisory resin disk milling, in dry or wet mode	✓
PMMA block milling, in dry or wet mode	✓

SOFTWARE FUNCTIONS	MICROLAB
Calibration	✓
Simplified software to drive the machine	✓
Manufacturing software CHARLYDENTAL CAM	✓
Remote-maintenance and remote-diagnosis	✓



DENTAL DIVISION