

Vector

Milling machine

Accuracy and versatility

dental machine
DENTAL CAD-CAM SPECIALIST

by TECNO-GAZ
industries

www.dentalmachine.it



More info
Frame and click!



UP TO
+/- 30°
AXIS INCLINATION

18
6MM SHANK
TOOLS

15.6"
TOUCH MONITOR

BUILT-IN
CAMERA

CNC desktop milling machine with 5 axes continuously interpolated with dry and wet machining.

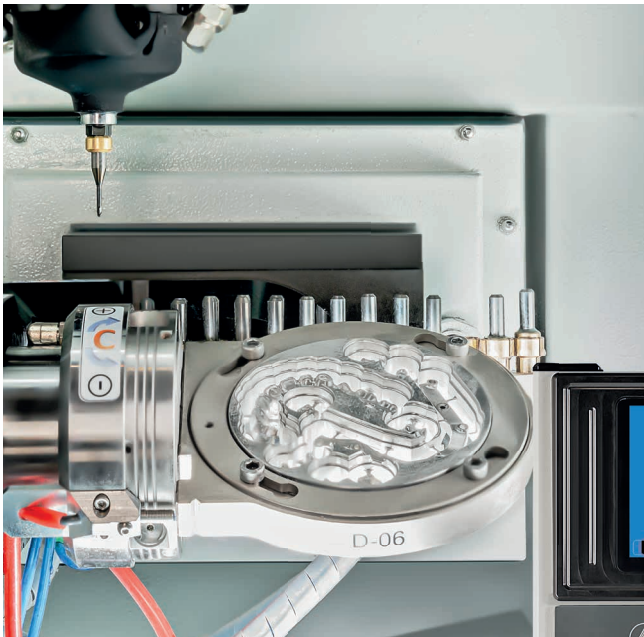
Vector is the intermediate milling machine of Dental Machine developed for the dental laboratory that wants to take full advantage of CAD-CAM technology and achieve a high return on investment. It is a desktop milling machine, very simple to use, with numerical control with 5 axes continuously interpolated.

5-axis movements

Linear movements on 3 Cartesian axes with rectified ball-recirculation screws driven by brushless motors with absolute encoders for continuous position control while the 2 rotary axes use the same motors with epicyclic gearboxes.

Vector Loader

Milling machine with automatic disc change system.



VECTOR LOADER is the union between the efficiency of the VECTOR milling machine and the productivity of a disc loader (LOADER) which allows the continuous processing (up to 10 discs) of all the materials available on the market today starting from the softest materials such as Wax, PMMA, Zirconia and Pre-sintered Metal to the hardest materials such as Composite, Glass Ceramics, Titanium and Cobalt-Chrome.

The processing of all dental materials such as chromium cobalt, titanium, zirconia, acrylics, ceramics etc. and new future materials, **is therefore possible with a single machine, practically without restrictions.**



Vector

Dimensions (WxHxD) 60,2 x 85 x 88 cm

Weight 220 Kg

Tool change Automatic

Number of tools on board 18

High frequency spindle 3,2 Kw - 60.000 rpm

Axis rotation angle A= up to $\pm 30^\circ$ C=360°

Disk Ø = 98,5 mm with rim

Tool diameter (shank) 6 mm

Tool length 37 - 50 mm

Tool measurement accuracy $\pm 0,001$ mm (1 μ)

Tool rupture detection Automatic

Vector Loader

Dimensions (WxHxD) 112 x 85 x 90 cm

Weight 350 Kg

Tool change Automatic

Number of tools on board 18

High frequency spindle 3,1 Kw - 60.000 rpm

Axis rotation angle A= up to $\pm 30^\circ$ C=360°

Disk Ø = 98,5 mm with rim

Tool diameter (shank) 4 ou 6 mm

Tool length 37 - 50 mm

Tool measurement accuracy $\pm 0,001$ mm (1 μ)

Tool rupture detection Automatic