



## DENTAL MILLING MACHINE



## **Dental Milling Machine 4 axis:**

### Technical Features.

The DM-5 CNC Dental machine is an ultra compact machine ,which combines unique design , unique control features and quality construction to make it very easy to use in any circumstances .

Our control system is designed with a perfect system that the end user will be able to run a .Nc file within three(3) simple steps.

Our machine is based on heavy metal construction that gives the quality and the stability that a Dental machine needs.

## Machine Features and Benefits:

**Spindle from 10.000 to 24.000 rpm.**

### TECHNICAL SPECIFICATIONS

Power 500 W

Tool Blocking Automatic with pneumatic piston

Rated Voltage 220V

Bearings lubrication Long Life lubricated

Max Rpm 24,000,00

Spindle Body Aluminium Alloy

Cooling liquid

Able up to 5 automatic tool change.

### High-speed machining:

Our machine provides high speed machining with servo motors and ball screws to all movements for getting the max accuracy and the max cutting speeds.

### Coolant system:

The coolant system of the DM-5 dental machine offers tool life with a system of Air.

### High-speed AC servo motors:

Our company uses AC servo motors from Panasonic a well known company in the range of servo applications . Directly coupled motors and high resolution encoders provide extreme machine accuracy and repeatability.

### Automatic Tool change with tool measurement:

Automatic tool change with measurement with correction of Z axis height.

### PC based machine:

### Laptop



## **MACHINE SPECIFICATIONS:**

### ***MACHINE***

Max operating Height.....	900 mm
Max operating Width.....	800 mm
Max operating Depth.....	800 mm
Machine Weight.....	220 Kg
Air required.....	200 L/min @ 7 bar pressure.
Power required.....	2 kVA
Volts/Phase.....	220V 1-phase

### ***TRAVEL***

Maximum X axis.....	200 mm
Maximum Y axis.....	150 mm
Maximum Z axis.....	100 mm

### ***ACCURACY***

Positioning.....	+/- 0.01 mm
Repeatability.....	+/- 0.01 mm
Tool measurement accuracy after tool change...	+/- 10 micron millimeters.