



DENTAL MILLING MACHINE



Dental Milling Machine 4 axis:

Technical Features.

The DM50 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 2.000 to 24.000 rpm with ISO-30 .

TECHNICAL SPECIFICATIONS

Power S1 3,8Kw
Tool Blocking Automatic with pneumatic piston
Nose Long Nose
Rated Voltage 380/220V
Poles 2

Bearings Front Ceramic or Steel
Bearings Rear Ceramic or Steel
Bearings lubrication Long Life lubricated
Max Rpm 24000,00
Weight 26,00Kg
Spindle Body Alluminium Alloy
Cooling Forced Air Plate

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 DM50 dental machine offers tool life with a system of Air-Oil.

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.

Dust Collection with drawer below the Milling table.



Easy to use drawer for the scrap material collection and for easy and fast cleaning.



Flexible store below machine for stocking tools , disc plates etc:



PC based machine:



Hard disk drive & Ethernet interface or wireless transfer via Wi-Fi system for transferring program files from your office to machine without using unnecessary USB sticks or anything else.

The pc's that the company Zaridas puts on the milling machine uses Windows 7 or Xp the RAM that the pc has is running on 2 Gb and the hard disk capacity is 180 Gb for unlimited program saving.

The Screen is a 17" LCD-TFT with industrial Keyboard and touch pad that gives protection from dust, etc..

MACHINE SPECIFICATIONS:

MACHINE

Max operating Height.....	1750 mm
Max operating Width.....	1700 mm
Max operating Depth.....	1400 mm
Machine Weight.....	1500 Kg
Air required.....	200 L/min @ 7 bar pressure.
Power required.....	8 kVA
Volts/Phase.....	380V 3-phase

TRAVEL

Maximum X axis.....	400 mm
Maximum Y axis.....	250 mm
Maximum Z axis.....	150 mm

ACCURACY

Positioning.....	+/- 0.0020 mm
Repeatability.....	+/- 0.0020 mm
Tool measurement accuracy after tool change...	+/- 10 micron millimeters.