



DENTAL MILLING MACHINE



Dental Milling Machine 4 axis:



Technical Features.

The DM-25-10 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 50.000 rpm with HSK-E25 .

TECHNICAL SPECIFICATIONS

Power 2.2Kw

Tool Blocking Automatic with pneumatic piston

Rated Voltage 380V

Bearings lubrication Long Life lubricated

Max Rpm 50000,00

Spindle Body Aluminium Alloy

Cooling liquid

Able up to 10 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 DM25-10 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.....	1600 mm
Max operating Depth.....	900 mm
Machine Weight.....	700 Kg
Air required.....	200 L/min @ 7 bar pressure.
Power required.....	5 kVA
Volts/Phase.....	380V 3-phase or 220V 1-phase

TRAVEL

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

ACCURACY

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