

5-AXIS DENTAL CAD/CAM MILLING MACHINE

CDM5Z

- Product information
- Fixture display
- Case display



CDM5Z PRODUCT INTRODUCTION

It is a 5-axis dry milling machine with a wide range of materials. Featuring high accuracy, durable stability and excellent compatibility. It is an ideal choice for high-precision restorations including bridges, frames, splint, abutment, base and complicated operations like zirconia perforation. Equipped with premium spindle, imported core parts, smart CAM nesting system and intelligent touch screen, the CDM5Z can effectively handle discs with a diameter of 98mm-98.5mm, adapting to a wide range of materials, and has an automatic tool changing function to provide higher efficiency.

CAD/CAM DIGITAL PROCESSING



KEY FEATURES



Compact structure
and Box structure

The machine has an exquisite appearance, with the overall size of 620mm*500mm*650mm. The bed is cast aluminum and adopts a box structure, which has high rigidity and is not easy to deform. It also has a large working area, and the B-axis can automatically rotate from -110° to 30°. So it can support 90° processing



Open controller
system

This system supports international ISO standard G code, compatible with popular CAM software, such as HyperDent, SUM3D Dental, GO2 dental etc



Intelligent
processing

Excellent and simple man-machine interface, touch screen control. Simple operation, unique CAD/CAM processing strategy, no need for professional CNC programmers, one-button operation, stable operation.



High Efficiency

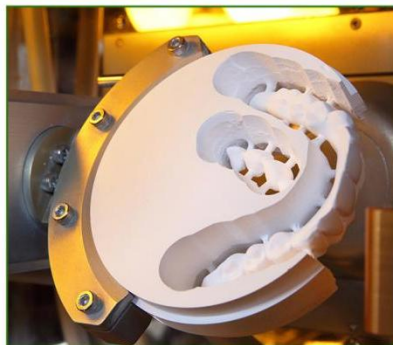
It adopts high power frequency conversion and high speed tool changing spindle with large torque, high precision, and it can process various materials with high efficiency.



OEM customize

This machine is completely developed and designed by us, so we can provide customers with OEM service

CDM5Z PRODUCT HIGHLIGHTS



MILLABLE MATERIAL



Zirconia



Wax



PMMA



PEEK



Wood

MILLABLE RESTORATION



CDM5Z PRODUCT DETAILS

Name		5 Axis dental CAD/CAM milling machine
Model		CDM5Z
CNC controller		5 axis dental system with touch screen
Milling mode		Dry
Millable material		Zirconia, Wax, PMMA
Product type		Crown/coping, Bridge, Inlay/onlay
Spindle power		500W
Speed of spindle		3000-60000rpm/min
X/Y/Z axis motor		AC servo motor
Spindle cooling		Air-cooled
A/B axis motor		100W with High precision slope gear reducer
Rotation range	A axis	$\pm 360^{\circ}$
	B axis	$-90^{\circ} \sim +30^{\circ}$
Number of burs(Tools) housed		6pcs
Attachable bur(tool)	shank diameter	4mm
	Length	45mm
Tool change and check		Fully automatic
Compatible compressed air		0.6Mpa
Loadable workpiece shape	Extrnal Diameter	98mm
	Max Height	30mm
	Min.Height	10mm
Exteral dimensions	Length	500mm
	Weight(Depth)	620mm
	Height	650mm
Packing dimension		660*600*790mm
Weight		95kg
G.weight		121kg
Input Voltage		Single-phase 220V 50Hz/60Hz
Control command set		Nc code
Positioning accuracy		$\pm 0.02\text{mm}$
Average milling time(denta crown)	Zirconia	8-15min
	Wax	3-6min
	PMMA	8-10min