

5-AXIS DENTAL CAD/CAM MILLING MACHINE

SDM5T

- Product information
- Fixture display
- Case display



SDM5T PRODUCT INTRODUCTION

SDM5T is a very cost-effective 5-axis dental milling machine suitable for dental clinics or dental laboratories. It supports dry and wet cutting and can efficiently work with zirconia, titanium alloys, pure titanium, cobalt-chromium alloys, and premill, glass ceramics, PMMA, PEEK, wax and other materials, and equipped with a multi-functional clamp, it is compatible with 98mm and 98.5mm diameter discs, C14 Glass Ceramics, Arum and Medentika titanium premills.

CAD/CAM DIGITAL PROCESSING



KEY FEATURES



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



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.



The body structure adopts the industrial standard cast iron and cast aluminum structure, high rigidity, no deformation, stable precision, long service life. The mechanical transmission part adopts Taiwan/Germany C3 grade high precision ball screw and P grade linear guide rail.



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.



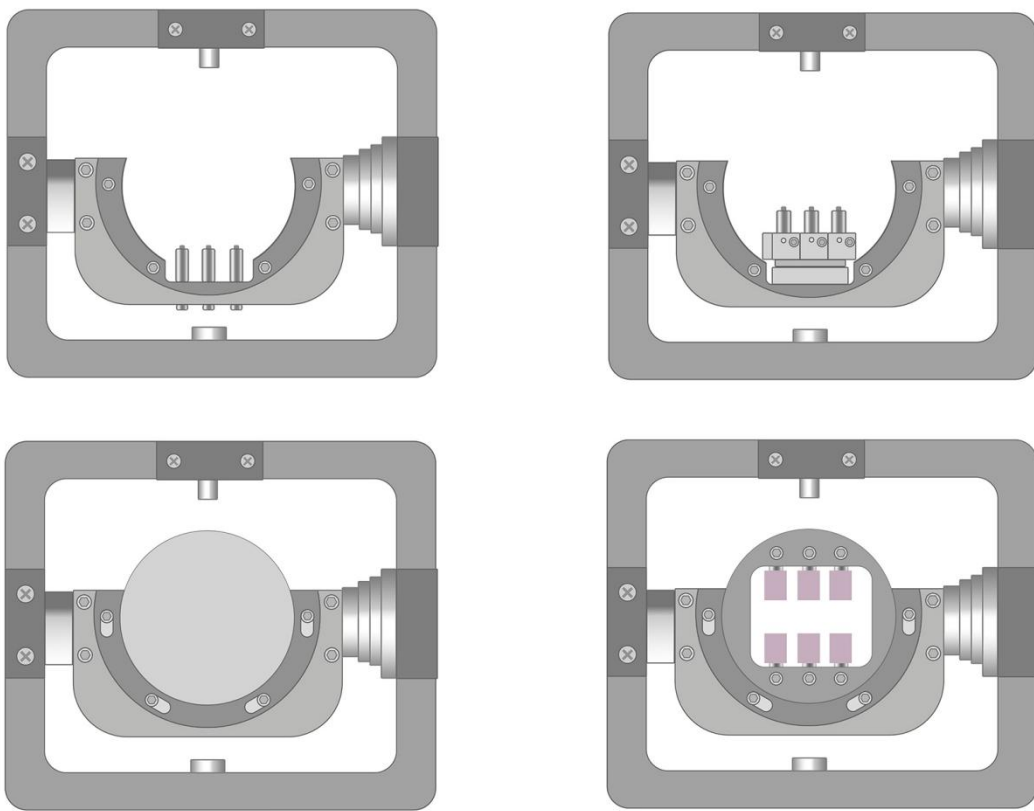
This machine is completely developed and designed by us, so we can provide customers with OEM service

MILLABLE MATERIAL



Titanium Zirconia Wax PMMA PEEK Titanium column E-Max

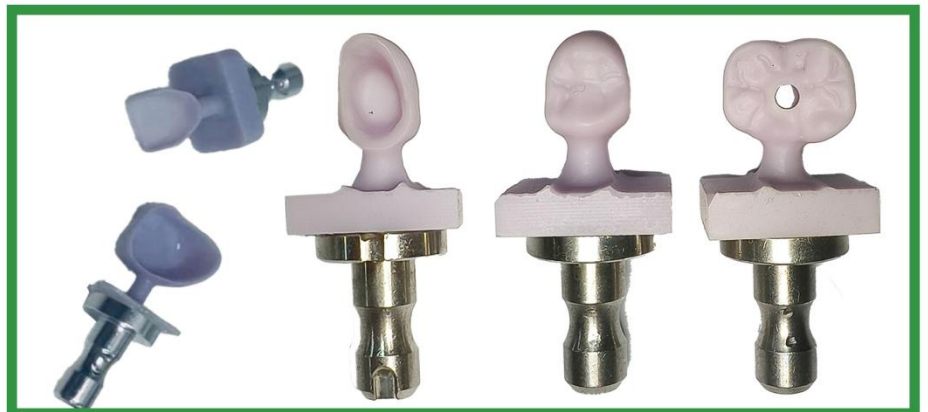
SDM5T HOLDER



PRODUCTS INDICATIONS



SDM5T CASE



SDM5T PRODUCT DETAILS

Name		5 Axis dental CAD/CAM milling machine
Model		SDM5T
CNC controller		5 axis dental system with touch screen
Milling mode		Dry/Wet
Millable material		Titanium,Zirconia,Wax,PMMA,Premilled abutment E-max,Gleass ceramics
Product type		coping,coping bridge,crown,crown bradge,inlay,onlay, hyrid,premill abutment,abutment,implant bar, Model,Implant bridge,full denture,Wax RPD framework
Spindle power		2500W or 3000W
Speed of spindel		3000-60000rpm/min
Spindle cooling		Water-cooled
X/Y/Z axis motor		400W servo motor
A/B axis motor A/B		100W with High precision slope gear reducer
Rotation range	A axis A	$\pm 360^{\circ}$
	B axis B	$\pm 30^{\circ}$
Number of burs(Tools) housed		30 pcs
Attachable bur(tool)	shank diameter	4mm and 6mm
	Length	45mm and 50mm
Tool change and check		Fully automatic
Compatible compressed air		0.6MPa
Loadable workpiece shape	External Diameter	98mm
	Max Height	30mm
	Min. Height	10mm
External dimensions	Length	950mm
	Weight(Depth)	780mm
	Height	1650mm
Packing dimension		1100*1100*1850mm
Weight		400kg
G.weight		480kg
Input Voltage		Single-phase 220V 50Hz/60Hz
Control command set		NC code
Positioning accuracy		$\pm 0.01\text{mm}$
Average milling time(single crown)	Zirconia	8-15 min
	Wax	3-6 min
	PMMA	8-10 min
	Titanium	10-15 min
	Cobalt Chrome	30-35min