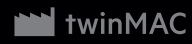
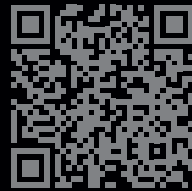




Headquartered in Izmir/Turkey,  
twinMAC shows a multi-cultural and  
a multi-lingual structure. twinMAC has teams of  
software engineers for developing CAD/CAM systems &  
robotic integrations , teams of mechanical / mechatronics  
engineers for industrial-grade machine manufacturing.  
Operated by dentists/dental technicians, twinMAC brings  
digital industry and modern dentistry together with this  
trans-disciplinary expertise and makes it available for  
all dental professionals worldwide.



Yavuz Selim Cad. N: 8/11,  
35090, Izmir/ TR  
T. +90 (232) 400 40 50  
E. info@twinmac.com



twin-mac.com

EN

# twinMAC T40 MACHINA AETERNA

START  
THE  
ENGINE



Created for eternity...  
For infinite reality.

2024.11.25

T40		
KINEMATICS	Number of Axis	4-axis
	Machining Type	4 axis, simultaneous machining
	Axis Drives	AC-Servo motors, absolute multi-turn (with 23-Bit absolute encoders)
	Motor Connections	Direct: No pulley-belt mechanisms
	X-axis	400 Watt
	Y-axis	400 Watt
	Z-axis	400 Watt
	A-axis	200 Watt
	B-axis	-
	Turret ATC	-
	Rotary Axis (Simultaneous)	A-axis: +360°, +360°
	Rotary Axis (Continuous)	A-axis: 360°
MILLING	Milling Mode	Wet
	Spindle	HF Spindle - 100.000 RPM / 860 W
	Spindle Cooling Unit	Not required
	Tool Fitting	3 mm and 4 mm shank
	Tool Changer	10-fold turret, direct-clamping
CONNECTIVITY & CONTROLLER	Controller	Controller & Controller Management by twinMAC (Industrial grade CNC controller software)
	Remote TeamViewer™ Connection	Yes
	Industry 4.0	Image-processing via camera connection and data analysis
	HMI	13.3" HDMI LCD touch-screen, Full-HD
	Logs & Reporting	Controller & Controller Management by twinMAC
	LAN Connectivity	Publisher by twinMAC (Windows® app under dev.)
	WAN Connectivity	Mobile and or desktop remote access through twinMAC Platform® (Under dev.)
DENTAL MATERIALS	Materials	Fully sintered zirconia, fully crystalized lithium- disilicate, titanium, PMMA, composites, glass- ceramics, hybrid-ceramics
	Material Geometries	Pre-milled bar blanks, prismatic blanks with metal-mandrel
	Quick-Changer	Zero-Point Clamping System (Pneumatic) - Optional
	Material Holders	Premill/ceramic Holder (Options: 2 and 8 material options)



Fully sintered cubic zirconia

Glass-Ceramic blocks

Premilled bar and KATANA™ Avencia block



# MILL 2 WIN

## World’s Fastest Controller, World’s Fastest Machine

100% developed by twinMAC software engineers, twinMAC provides industrial grade CNC Controller solution to dental professionals. Powered by an industrial-PC, unparalleled power / speed and precision is available for the first time for dental professionals... START THE ENGINE.

## Best Kinematics and Mechatronics

There are only direct motor connections on all linear and non-linear motions systems: No indirect pulley-belt mechanisms. Plus, there are no stepper motors of any kind. There are only AC Servo Absolute Multi-Turn motors that give motion to the “machine”.

## Remote Connection... Anywhere, Anytime

TeamViewer™ connection is available at all twinMAC milling-machines – No need for 3rd party integrations, add-ins or plug-ins.

## twinMAC: Machines In The Service Of Industry 4.0

Logs, reports and KPIs are a natural and an integral part of the twinMAC’s milling-machine solutions. Including industrial grade image-processing, there are many technologies brought by Industry 4.0 inside twinMAC’s Controller software.

## Material Ecology: Faster and Easier Dentistry

twinMAC solutions are designed to machine digitally engineered materials for, with, and by the nature of single-visit-dentistry. Proprietary materials (like fully-sintered cubic zirconia) can be machined in-house to enable “one-step” prosthetic restorations: No thermal post-processing and almost no shade/color based post-characterization.

