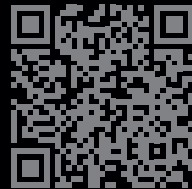




Headquartered in Izmir/Turkey,
twinMAC shows a multi-cultural and
a multi-lingual structure. twinMAC has teams of
software engineers for developing CAD/CAM systems &
robotic integrations , teams of mechanical / mechatronics
engineers for industrial-grade machine manufacturing.
Operated by dentists/dental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

 twinMAC

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.

2024.05.03

		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	750 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 crystallized 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™ Avenca block



MILL 2WIN

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.

