




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.

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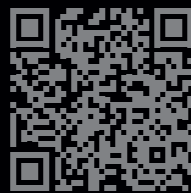
twinMAC T50 MACHINA AETERNA

START
THE
ENGINE



 twinMAC

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Created for eternity...
For infinite reality.

		T50	T50 w	T50 WM
KINEMATICS	Number of Axis	5-axis		5-axis
	Machining Type	5 axis, simultaneous machining		5 axis, simultaneous machining
	Axis Drives	AC-Servo motors, absolute multi-turn (with 23-Bit absolute encoders)		AC-Servo motors, absolute multi-turn (with 23-Bit absolute encoders)
	Motor Connections	Direct: No pulley-belt mechanisms		Direct: No pulley-belt mechanisms
	X-axis	400 Watt		400 Watt
	Y-axis	750 Watt		750 Watt
	Z-axis	400 Watt		400 Watt
	A-axis	200 Watt		200 Watt
	B-axis	750 Watt		750 Watt
	Rotary Axis (Simultaneous)	A-axis:	+30°, +30°	A-axis:
	B-axis:	+110°, -25°	B-axis:	+110°, -25°
Rotary Axis (Continuous)	A-axis:	360°	A-axis:	360°
	B-axis:	110°	B-axis:	110°
MILLING	Milling Mode	Dry		Dry & Wet
	Spindle	DC Spindle - 60.000 RPM / 640 W		DC Spindle - 80.000 RPM / 1400 W
	Spindle Cooling Unit	Not required		Not required
	Tool Fitting	3 mm and 4 mm shank		4 mm and 6 mm shank
	Tool Changer	8-fold, direct-clamping		8-fold, direct-clamping
CONNECTIVITY & CONTROLLER	Controller	Controller & Controller Management by twinMAC (Industrial grade CNC controller software)		Controller & Controller Management by twinMAC (Industrial grade CNC controller software)
	Remote TeamViewer™ Connection	Yes		Yes
	Industry 4.0	Image-processing via camera connection and data analysis		
	HMI	13.3" HDMJ 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	Zirconia, PMMA, composites, polymers, wax, PEEK, hybrid- ceramics	Zirconia, PMMA, composites, polymers, wax, PEEK, hybrid- ceramics, titanium	Zirconia, PMMA, composites, polymers, wax, PEEK, hybrid- ceramics, titanium, CoCr
	Material Geometries	98 mm / 98.5 mm disc blanks, prismatic blanks with metal-mandrel	98 mm / 98.5 mm disc blanks, pre-milled bar blanks, prismatic blanks with metal-mandrel	98 mm / 98.5 mm disc blanks, pre-milled bar blanks, prismatic blanks with metal-mandrel
	Material Holders	C-Holder for Ø98.5 disc milling, Ceramic Holder	C-Holder for Ø98.5 disc milling, Premill Holder, Ceramic Holder	C-Holder for Ø98.5 disc milling, Premill Holder, Ceramic Holder

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.

