

DENTSMA

Professional Dental Laboratory Equipment

Precision 5-Axis Milling Solutions for Modern Dental Labs

5-Axis Dental Milling Machines

T10-A Dry Milling | T20 Wet & Dry Milling

Intelligent Manufacturing • Precise • Efficient

T10-A

Dental Dry Milling Machine



T20

Wet & Dry 5-Axis Milling



Why Dental Technicians Choose Dentsma



0.01 mm Precision

One-pass crown accuracy — no rework



5-Axis Capability

Complex bridges & implant geometries

Dentsma — Your Partner in Digital Dentistry

Website: <https://www.dentsma.com/product-category/lab-supplies/dental-lab-equipment/>

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High-reliability servo motors • Industrial-grade structure • Mainstream CAM compatible

T10-A Dental Dry Milling Machine

Intelligent manufacturing • Precise and efficient



■ Ultra-high Precision

0.01 mm accuracy. One-time crown forming without adjustment or grinding — chairside-ready margins.

■ Long-lasting Stability

Industrial cast-aluminum bed + water-cooled spindle. Non-floating accuracy maintained beyond 5,000 hours.

■ Intelligent OS

10-inch touch screen, 6-position automatic tool changer. Fully compatible with Hyperdent and mainstream CAM.

■ 5-Axis Large-angle Cutting

B-axis +30° to -185°. Complex crown bridges and implant abutments milled with ease.

■ Higher Efficiency

60,000 rpm spindle with intelligent nesting — up to 20% productivity gain and better material yield.

■ Compact Footprint

575 × 688 × 855 mm, approx. 145 kg. Fits standard lab benches while delivering industrial performance.

Related Compatible Materials & Accessories

Zirconia • Wax • PMMA • PEEK disc

Suitable for full crowns, bridges, implant abutments and multi-unit restorations in dry milling mode. Exclusive clamps included.

T10-A Technical Specifications

Parameter Specification

Parameter	Specification
Model	T10-A
Screen	10-inch touch screen
Machinable Materials	Zirconia, Wax, PMMA, PEEK disc
Milling Mode	Dry milling
X·Y·Z Milling Range	150 × 200 × 150 mm
B-axis Rotation Angle	+30° ~ -185°
A-axis Rotation Angle	360°
Appearance Size (H×W×D)	575 × 688 × 855 mm
Weight	Approx. 145 kg
Structure Material	Cast aluminum & sheet metal
Clamping Method	Exclusive clamps
Processing Accuracy	0.01 mm
Repetitive Accuracy	0.008 mm
Maximum Spindle Speed	60,000 rpm
Processing Speed	0 – 10,000 mm/min
Spindle Power	1.5 kW
Spindle Type	Water-cooled spindle
Slideway	Precision slideway
Screw Rod	Precision grinding screw rod
Drive Mode	Servo motor
Tool Capacity	6 pcs
Tool Shank Diameter	4 mm
Rated Voltage	AC 220 V 50-60 Hz
Overall Power	3.5 kW
Control System	Self-developed intelligent industrial control
CAM Software	Hyperdent (compatible)

10" Touch

Screen

5-Axis

Control

6 Tools

ATC

0.01 mm

Accuracy

60k rpm

Spindle

Water

Cooled

T20 Wet & Dry 5-Axis Denture Milling Machine

Precise and Efficient • Multi-functional & Multi-purpose

HOT



■ Dry & Wet Quick Switch

Mode conversion in 3 seconds. No accessory change — respond instantly to different materials.

■ Wide Material Range

Zirconia, Wax, Lithium Disilicate, Premilled Abutment, PMMA, PEEK — one machine covers most indications.

■ Full Restoration Support

Full crown, internal crown, open crown, long bridge and complex multi-unit cases.

■ 0.01 mm Ultra-precision

One-pass forming, no grinding required. Real processing accuracy with non-positioning error control.

■ Industrial-grade Stability

One-piece cast-iron bed, calibration-free for long-term operation. Accuracy stays as good as new.

■ 62 mm Water-cooled Spindle

Longer life and superior thermal stability vs. common 40 mm air-cooled spindles.

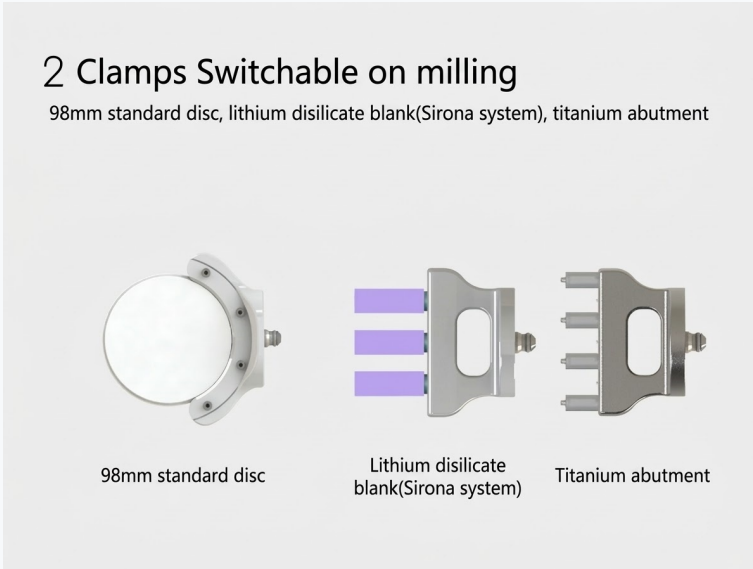
Related Compatible Materials & Accessories

Zirconia • Wax • Lithium Disilicate • Premilled Abutment • PMMA • PEEK

One-key dry/wet switch. Multiple exclusive clamps for 98 mm disc, lithium disilicate blanks and titanium abutments.

T20 Switchable Clamp System

2 clamps switchable on milling — flexible workflow for different indications



Clamp Options

- 98 mm standard disc clamp — for zirconia, wax, PMMA and PEEK discs
- Lithium disilicate blank clamp (Sirona system compatible) — for glass-ceramic restorations
- Titanium abutment clamp — for premilled implant abutments

Technician Benefits

- Switch clamps without changing the machine setup — keep production continuous.
- One system supports disc work, glass ceramic and implant abutments in the same lab workflow.
- Exclusive clamp design ensures secure holding and consistent accuracy across materials.

Key Highlights

12-inch Touch Screen	Smooth capacitive control	5-Axis Linkage	–210° B-axis range
12-Tool ATC	Automatic tool change	0.005 mm Repeatability	Industrial-grade consistency

T20 Technical Specifications

Parameter	Specification
Model	T20
Screen	12-inch touch screen
Machinable Materials	Zirconia, Wax, Lithium Disilicate, Premilled Abutment, PMMA, PEEK
Processing Dimensions	φ98 mm
Milling Mode	Dry / Wet (One-key switch)
X·Y·Z Milling Range	230 × 140 × 105 mm
B-axis Rotation Angle	–210°
A-axis Rotation Angle	0° ~ 360°
Appearance Size (H×W×D)	973 × 750 × 959 mm
Weight	Approx. 400 kg
Structure Material	Cast iron & sheet metal
Clamping Method	Exclusive switchable clamps (disc / LiSi / abutment)
Processing Accuracy	0.01 mm
Repetitive Accuracy	0.005 mm
Maximum Spindle Speed	60,000 rpm
Processing Speed	0 – 10,000 mm/min
Spindle Power	1.5 kW
Spindle Type	Water-cooled spindle (62 mm)
Screw Rod	Precision grinding screw rod
Driving Method	Servo motor
Tool Capacity	12 pcs
Tool Shank Diameter	6 mm
Rated Voltage	AC 220 V 50-60 Hz
Overall Power	3.5 kW
Control System	Self-developed intelligent industrial control
CAM Software	Hyperdent (compatible)

Contact Dentsma

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Professional dental lab equipment for technicians who value precision, reliability and workflow efficiency.