

Dental Milling Machines Specification Sheet

Five-axis milling of zirconia wax PMMA and PEEK at 30,000 RPM.

The DTR-55 is a 5-axis dental milling machine for laboratories. Simultaneous multi-axis milling produces detailed restoration geometry in one setup, and the machine processes zirconia, wax, PMMA, PEEK and other materials for crowns, bridges, implants and dentures. Spindle speed reaches 30,000 RPM, an automatic tool-changing system limits downtime, and a touchscreen with one-click calibration keeps setup simple.

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Dental Milling Machine

DTR-55 · 5-axis

The DTR-55 is a 5-axis dental milling machine for dental laboratories. Simultaneous multi-axis milling produces detailed and intricate restoration geometry, and the machine processes zirconia, wax, PMMA, PEEK and other materials for crowns, bridges, implants and dentures. Spindle speed reaches 30,000 RPM, an efficient tool-changing system limits downtime, and a touchscreen display with one-click automatic calibration keeps setup simple.

Specification

Model	DTR-55
Axes	5-axis simultaneous milling
Materials	Zirconia, wax, PMMA, PEEK and more
Restorations	Crowns, bridges, implants, dentures
Spindle Speed	Up to 30,000 RPM
Tool Changing	Automatic tool-changing system
Interface	Integrated touchscreen display
Calibration	One-click automatic calibration
Weight	87 kg
Depth	628.5 mm

Key benefits

Five Axes Milling Simultaneously. Simultaneous multi-axis motion is what lets undercuts and angled implant channels be cut in one setup. A 4-axis machine has to be re-fixtured for the same geometry.

One Machine Across Five Materials. Zirconia, wax, PMMA, PEEK and more run on the same spindle, so a lab covers crowns, bridges, implants and dentures without a second machine.

30,000 RPM With Automatic Tool Change. High spindle speed is what gives surface finish on zirconia; the tool-changing system is what keeps the machine cutting instead of waiting for an operator.

One-Click Calibration. Automatic calibration removes the setup step that most often goes wrong in a busy lab and takes the machine out of tolerance without anyone noticing.

Where it is used

Milling zirconia crowns and bridges in a dental laboratory • Producing wax patterns for casting • Machining PMMA temporaries and try-ins • Cutting PEEK frameworks for implant-supported work • Producing denture bases and components • Labs bringing outsourced milling back in-house

How To Enquire

Send the process rather than a model number: capacity or flow rate, the product being handled, the container format where relevant, and the utilities already on site. WhatsApp +86 150 5517 9418 or email sales@trueglowimaging.com.

Minimum order is one unit on the process, packaging, utility and crane ranges. Machined, fabricated and moulded parts are quoted from single pieces upward.