



ABRASIVE CUTTING MACHINE

QualiCut-6100D

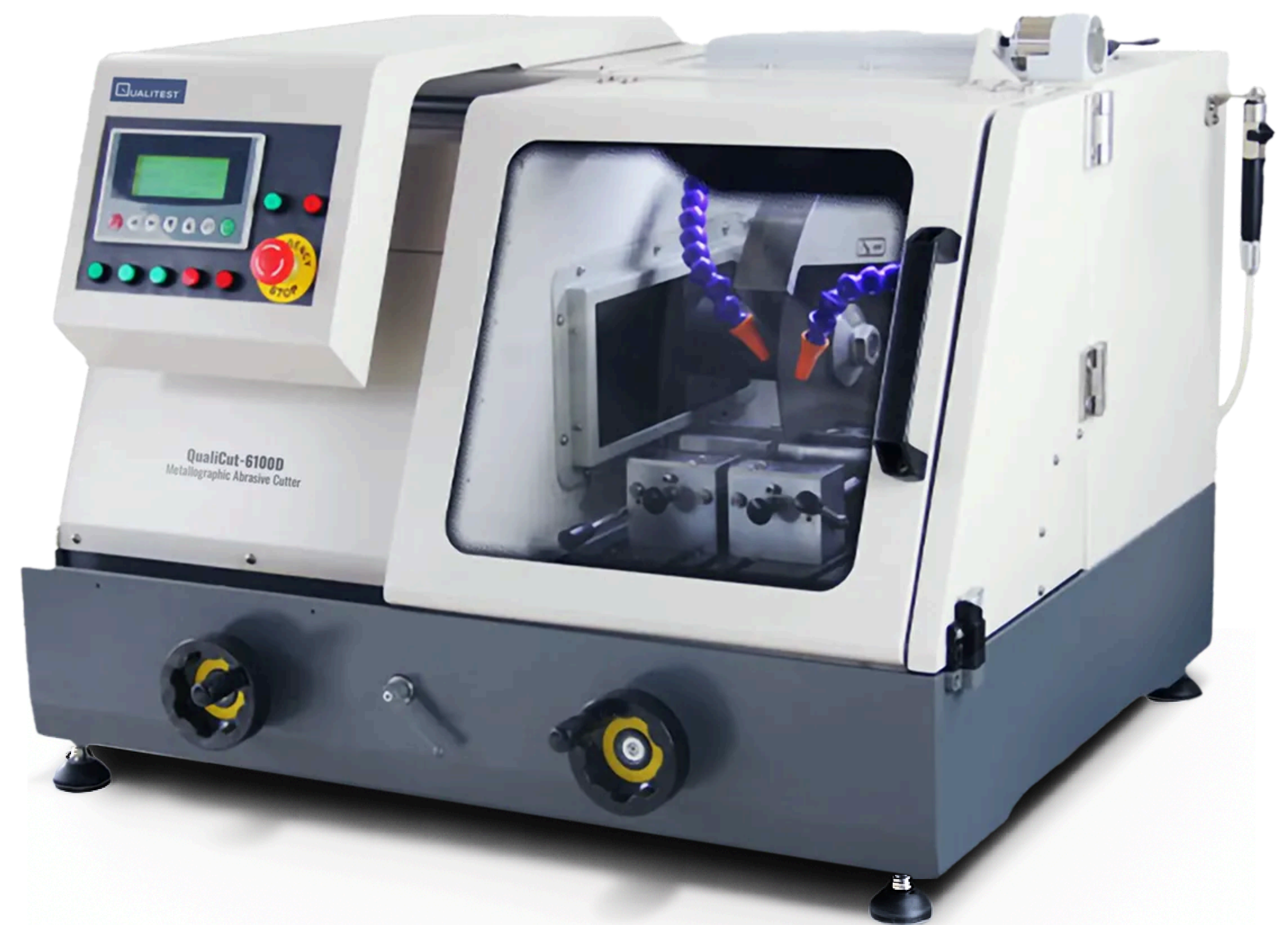
Abrasive Cutting Machine

QualiCut-6100D

The QualiCut-6100D Abrasive Cutting Machine is **built for precision cutting across a broad range of materials, making it a dependable choice for laboratory and industrial applications.** Designed for high performance and reliability, it combines a robust main unit, an efficient electrical control tank, a durable cutting chamber, and an integrated cooling system. Together, these features ensure accurate cuts while keeping operational costs manageable.

Operators can adjust cutting modes, speed, and path to match specific testing or production needs. The system also includes self-diagnostic functions, safety alerts, and helpful operational guidance to support consistent sample quality and safe use.

The QualiCut-6100D is an essential addition to laboratories in universities, research institutions, and industrial facilities, delivering both flexibility and long-term value for diverse cutting tasks.



FEATURES/ADVANTAGES

Versatile Cutting Performance

Handles a wide range of materials with a max cutting capacity of Ø100mm and supports cut-off wheels up to Ø350 × 2.5 × 32mm for heavy-duty applications.

Dual Operation Modes

Offers both manual and automatic operation with feed speeds adjustable from 0.1–15mm/m, giving users control and flexibility for varied sample needs.

Powerful and Efficient Motor

Powered by a 3.3KW cutting motor and 2200RPM spindle speed, delivering smooth, high-precision cuts even under demanding workloads.

Integrated Cooling System

Features a 60L water tank and 50L/min coolant flow rate, helping maintain stable temperatures and protect both samples and blades during use.

Spacious and Illuminated Work Area

Includes a well-lit cutting chamber with powerful LED lighting and large table dimensions (333 × 280 × 33mm), improving visibility and ease of setup.

Smart Accessory Compatibility

Supports accessories like a Schneider safety lock, filter-type water tank, and frequency converter to enhance performance and safety.

TECHNICAL SPECIFICATIONS

SPECIFICATIOIS	DETAILS
Model	QualiCut-6100D
Input Voltage	380V/50HZ
Feed Speed	0.1-15mm/m
Spindle Speed	2200RPM
Cut-Off Wheel	Φ350 × 2.5 × 32mm
Cutting Capacity (Max)	Φ100mm
Max Table Moving Distance	145mm (Only Y axis for Auto & Manual)
Input power / Cutting Motor	3.3KW / 3KW
Dimensions / Weight	960mm × 855mm × 735mm / 285kg (628.32 lbs)
Table Dimension	333 × 280 × 33mm (left 122mm, right 210mm)
Pump & Tank	60L, 570 × 440 × 590mm (L × W × H) including water pump
Coolant Flow Rate	50L/min
Cutting Chamber Inside	Powerful LED light
T-Slots on The Cutting Table	12mm
Touch Pad Control Panel	No, button control
Operation Type	Manual & Automatic
Optional Accessories	Cabinet / Schneider safety lock / Transversal worktable (X axis) Max. movement is 60mm / Frequency converter / filter type water tank



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