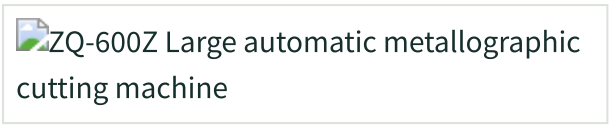
ZQ-600Z Large automatic metallographic cutting machine

Large automatic metallographic cutting machine • Technical datasheet

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A colour touchscreen and PLC control coordinate movement along the X, Y and Z axes. The ZQ-600Z provides vertical, layered, horizontal, coordinated and manual cutting modes for sectioning, slicing and slotting. It is intended for large specimens made from conventional, very hard or high-toughness metals, as well as ceramics, crystals, rocks and workpieces combining different materials.

Specifications

Model	ZQ-600Z
Cutting chamber	Extra-large cutting chamber open on both sides for placement and cutting of extra-long workpieces
Door opening	Side sliding door
Spindle speed	100 - 3000r/min (stepless speed control)
X table movement	automatic 50mm
Y travel	automatic 380mm
Z travel	automatic 250mm
Control system	8-inch color touchscreen, PLC control system
Maximum cutting diameter	Φ170mm
Disc workpiece cutting size	Φ500*160mm
Cutting modes	Vertical, layered, horizontal and coordinated cutting
Feed method	Adjustable advance/retract ratio
Effective feed travel	200 + 350mm
Progress tracking	LCD digital display (real-time)
Cutting table dimensions	880*450mm (stainless steel table)
Maximum wheel dimensions	Φ430*2.9*Φ32mm
Clamping table	Split, two-level movable table

Cutting speed	1 - 200mm/min (speed adjustment during operation/automatic reset)
Cooling system	Automatic water cooling, 6 channels
Tank capacity	100L
Motor power	7.5KW (Siemens motor)
Power supply	380V
Dimensions	1500*1500*1800mm (L * W * H)
Net weight	1200KG
Gross weight	1300KG

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Compiled from published product information. Final configuration follows the technical agreement; confirm options, fixtures and scope with an application engineer.

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