ZXG-300 Diamond wire cutting machine

Diamond wire cutting machine • Technical datasheet

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The ZXG-300 is designed for sampling special ceramics, crystals, electronic ceramic components, gemstones, rocks and glass. The touchscreen PLC system controls the cutting sequence for different specimen forms. Supported tasks include cutting square specimen bars and automatically producing successive thin slices. Both bar preparation and repeated slice preparation can therefore be handled through the machine’ s controlled cutting process.

Specifications

Model	ZXG-300
Cutting shaft speed	200 - 1500r/min
X cutting travel	automatic 300mm
Y cutting travel	automatic 300mm
X/Y speed	0 - 100mm (stepless speed control)
R axis speed	1 - 100r/min
Control system	7-inch color touchscreen, PLC control system
Cutting modes	Automatic (single cutting, programmed slicing, continuous slicing and R-axis cutting)
Feed method	automatic
Effective feed travel	300*300mm, R axis 360°
Progress tracking	LCD digital display (real-time)
Cutting wire dimensions	0.35 (0.2/0.25/0.35/0.5/1mm, etc.)
Cutting speed	0 - 5mm/min (stepless speed control)
Cooling system	automatic 30L
Motor power	3.0KW
Power supply	220V
Dimensions	900*720*1600mm (L * W * H)

Net weight	800KG
Weight	830KG

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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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