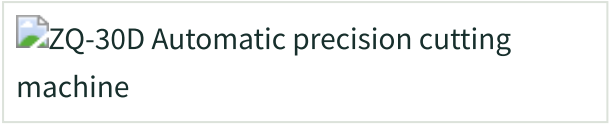
ZQ-30D Automatic precision cutting machine

Automatic precision cutting machine • Technical datasheet

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ZQ-30D Automatic precision cutting machine

The ZQ-30D is designed for precision sampling of small components. It combines a floor-standing, high-speed cutting arrangement with a colour touchscreen and PLC control. Compatible specimen materials include metals, ceramics, glass, rocks, crystals and electronic components. Its role is to section these small workpieces for subsequent examination and material analysis, using the control system to operate the cutting process.

Specifications

Model	ZQ-30D
Main functions	Precision cutting and positioned cutting
Spindle speed	200 - 3000r/min (stepless speed control)
X table movement	manual 50mm
Z travel	/
Y travel	100mm (automatic)
Control system	color touchscreen, PLCcontrol system
Maximum cutting diameter	Φ30mm
Cutting modes	Horizontal cutting
Feed method	Adjustable advance/retract ratio
Effective travel	70mm
Progress tracking	LCD digital display (real-time)
Cutting table dimensions	135 * 200mm
Maximum wheel dimensions	Φ180 * 1.2 * Φ25.4mm
Cutting speed	1 - 200mm/min
Speed adjustment during operation	adjustable / automatic reset
Cooling system	Automatic recirculating water cooling

Tank capacity	40L
Motor power	750W
Power supply	220V
Dimensions	600 * 600 * 500mm (L * W * H)
Net weight	40KG
Gross weight	60KG

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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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