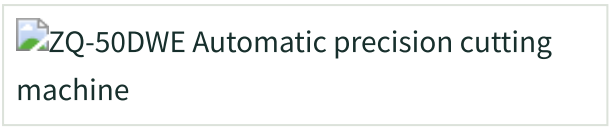
ZQ-50DWE Automatic precision cutting machine

Automatic precision cutting machine • Technical datasheet

Document: MC-DS-ZQ-50DWE-EN • Generated: 2026-11-14


ZQ-50DWE Automatic precision cutting machine

Designed for sampling miniature components, the ZQ-50DWE uses a floor-standing, high-speed cutting arrangement with touchscreen operation and a PLC control system. Compatible specimen materials include metals, ceramics, glass, rocks, crystals and electronic components. The machine is intended for precision sectioning of these small workpieces as part of specimen preparation, with the cutting task centred on the particular component being examined.

Specifications

Model	ZQ-50DWE
Main functions	Precision cutting, continuous slicing and fixed-depth grooving
Spindle speed	200 - 3000r/min (stepless speed control)
X table movement	70mm (automatic)
Z travel	70mm (automatic)
Y travel	100mm (automatic)
Control system	color touchscreen, PLCcontrol system
Maximum cutting diameter	Φ50mm
Cutting modes	Vertical, layered, horizontal and coordinated cutting
Feed method	Adjustable advance/retract ratio
Effective travel	70 + 100 + 70mm
Progress tracking	LCD digital display (real-time)
Cutting table dimensions	240 * 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	1.5KW
Power supply	220V
Dimensions	900 * 700 * 550mm (L * W * H)
Net weight	100KG
Gross weight	120KG

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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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