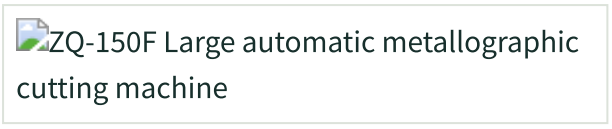
ZQ-150F Large automatic metallographic cutting machine

Large automatic metallographic cutting machine • Technical datasheet

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The ZQ-150F is designed for precision sectioning of irregularly shaped workpieces. It supports metallographic sampling, slotting, thin flat slicing and segment cutting, with applications including automotive components, castings and specimens with particular positioning requirements. Available cutting approaches include vertical, layered, coordinated and manual operation, allowing the cutting approach to be selected to suit the workpiece and sampling task.

Specifications

Model	ZQ-150F
Cutting chamber	Right-side cutting chamber
Main functions	Cutting, precision slicing and fixed-depth grooving
Spindle speed	100 - 3000r/min (stepless speed control)
X table movement	manual 50mm (optional automatic)
X axis speed	0 - 100mm (stepless speed control)
Z travel	150mm
Z axis speed	0 - 200mm
Y travel	automatic /manual 250mm
Y table speed	0 - 200m (stepless speed control)
Control system	8-inch color touchscreen, PLC control system
Maximum cutting diameter	Φ110mm
Disc workpiece cutting size	200*80mm (outside diameter*height)
Cutting modes	Vertical, layered, horizontal and coordinated cutting (optional)
Feed method	Adjustable advance/retract ratio
Effective feed travel	110 + 200mm
Progress tracking	LCD digital display (real-time)

Cutting table dimensions	200*300mm
Maximum wheel dimensions	Φ350*2.5*Φ32mm
Cutting speed	1 - 200mm/min
Clamping table	Split, two-level movable table
Speed adjustment during operation	adjustable (1 - 100mm/min)
Reset method	Automatic reset with progress tracking
Cooling system	Automatic water cooling, 4 channels
Tank capacity	60L
Motor power	4KW
Machine configuration	Integrated floor-standing unit
Power supply	380V
Dimensions	900*850*1400mm (L*W*H)
Net weight	330KG
Gross weight	380KG

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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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