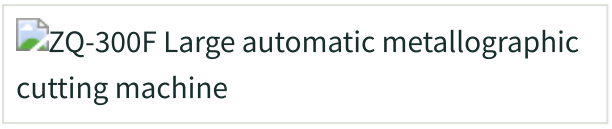
ZQ-300F Large automatic metallographic cutting machine

Large automatic metallographic cutting machine • Technical datasheet

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Designed around coordinated X, Y and Z axes, the ZQ-300F supports sectioning, slotting, thin flat slicing and cutting specimens into segments. Its cutting modes include vertical, layered, horizontal, coordinated and manual operation. These options address sampling tasks involving irregular shapes, automotive components and castings, where the position and direction of the cut need to suit the specimen and the intended examination.

Specifications

Model	ZQ-300F
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 travel	automatic 50mm
Y travel	automatic 250mm
Z travel	automatic 150mm
Control system	8-inch color touchscreen, PLC control system
Maximum cutting diameter	Φ120mm
Disc workpiece cutting size	Φ250*100mm
Cutting modes	Vertical, layered, horizontal and coordinated cutting
Feed method	Adjustable advance/retract ratio
Effective feed travel	150 + 200mm
Progress tracking	LCD digital display (real-time)
Cutting table dimensions	650*300mm
Maximum wheel dimensions	Φ350*2.5*Φ32mm

Clamping table	Split, two-level movable table
Cutting speed	1 - 200mm/min (speed adjustment during operation/automatic reset)
Cooling system	Automatic water cooling, 4 channels
Tank capacity	80L
Motor power	5.5KW (Siemens motor)
Power supply	380V
Dimensions	1200*1200*1500mm (L*W*H)
Net weight	950KG
Gross weight	1020KG

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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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