

ITOKIN TECHNOLOGY CO.,LTD

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MODEL Q-350A (SPECIALLY CUSTOMIZED)
MANUAL / AUTOMATIC METALLOGRAPHIC SPECIMEN CUTTING MACHINE

Photo for reference only

Model Q-350A is a kind of manual / automatic metallographic cutting machine. Siemens programmable controller is adopted, which has very high reliability and strong control ability. Touch screen is used in man-machine exchange. High precision stepping motor control is adopted. It is suitable for cutting samples of various metallic and non-metallic materials to observe the metallography and petrographic structure of the materials. The machine has the advantages of automatic / manual exchange in cutting process, low noise, simple operation, safety and reliability. It is one of the important equipment for making solid material samples in modern laboratory.

Features

- Automatic chop cutting in Z-axis. Max. moving distance in Z-axis: 125mm
- Automatic cutting and feeding in Y-axis. Max. moving distance in Y-axis: 220mm
- Automatic moving transverse worktable in X-axis. Max. moving distance: 95mm
- High cutting accuracy, parallelism / planeness is within 0.1mm / 100mm
- Three cutting types in seven cutting modes: Abrasive chop cutting, horizontal cutting, combined cutting (for different materials, diameters and hardness)
- Stepless speed adjustment for rotation of main shaft and feeding speed
- Real time display of cutting parameters such as cutting position, cutting mode, etc.
- High performance large volume circulating cooling system with magnetic filter

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- Automatic On/Off protective shield
- Stainless steel board working table
- Water-jet type cleaning system
- Isolated lighting system
- Equipped with quick clamping vice
- 7" colorful touch screen LCD with HMI (Human Machine Interface) controlling.

Technical specifications

- Cutting disc size: 350 × 2.5 × 32mm
- Max. cutting diameter: 110mm
- Main shaft rotating speed: 600-4000 rpm stepless speed adjustable
- Y-axis work table feeding speed: 0.005-99mm/min stepless speed adjustable
- Max. moving distance in X-axis: 95mm
- Max. moving distance in Z-axis: 125mm
- Max. moving distance in Y-axis: 220mm
- Fixed right work table size : 280*400mm (stainless steel board)
- Transverse movable left work table size: 280*400mm (stainless steel board)
- Work table T-slot size: 12mm
- 80L circulating and cooling system, equipped with magnetic filter
- Motor power: 4 KW
- Power supply: 380V, 50Hz, three phases
- Dimensions: 960 × 1080 × 800mm
- Net Weight: 310 KG

Main accessories

- Environmental protection dust removal device: 1 set
- Quick clamping vice: 1 set
- Environmental cooling lubricant liquid: 4L
- Cutting disc: 2 pcs.
- Wrench: 2 pcs.
- Cutting disc fixing nut: 1 pc.
- Water inlet pipe and drainage pipe: 1 pc. for each