

KASON CUT-130Z

Automatic Metallographic Sample Large Cutting Machine



★ PRODUCT FEATURES

- Three cutting type: Abrasive chop cutting, to-and-fro cutting, layer-to-layer cutting (for different materials, diameters and hardness)
- 3-axis simultaneous motion, Moving capacity of X-axis: 200mm, Moving capacity of Y-axis: 200mm, Moving capacity of Z-axis: 240mm
- Moving speed is adjustable within 0-10mm/s, Moving accuracy is $\pm 0.005\text{mm}$
- High cutting accuracy, parallelism / planeness is within 0.1mm / 100mm
- Automatic on/off protective shield
- Stainless working table
- Water-jet type cleaning system
- Isolated lighting system
- Equipped with quick clamber
- HMI (Human Machine Interface) controlling

★ TECHNICAL PARAMETERS

Model	KASON CUT-130Z
Max. Cutting diameter	Ø 130mm
Cutting disc size	400*4*32mm
Spindle speed	2800 rpm
Cutting method	Chop cutting, push cutting, sweeping cutting
Cutting speed	0.01-1mm/s (adjustment step is 0.01)
Reset mode	Automatic
Control system	Siemens PLC 7-inch touch LCD screen
Spindle speed	2800 rpm
Maximum stroke	Z axis 130mm; Y axis 200mm; X axis 100mm
Workbench size	128*320mm 180*320mm
Cutting power	4KW
Overall dimensions	1350*1100*1750mm (length × width × height)
Power supply	380V/50Hz

★ STANDARD CONFIGURATION

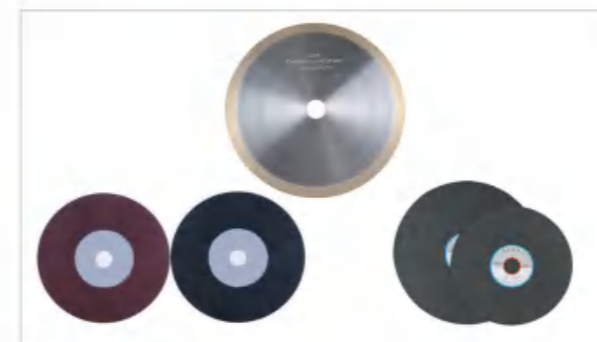
Name	Qty	Name	Qty
Host	1 set	Big throat hoop	2pcs
Water tank(Water pump is included)	1 set	Wrench	3pcs
Grinding wheel(400×4×32mm)	2pcs	Manual	1Sheet
Drain pipe	1 Pc	Certificate of conformity	1Sheet
Water inlet pipe	1 Pc	Standard accessories	1Sheet



Metallographic products



Metallographic cutting lubricant



Metallographic consumables

KASON CUT-160Z

Automatic Cutting Machine



★ TECHNICAL PARAMETERS

Model	KASON CUT-160Z
Organism form	floor-standing integrated
Cutting method	Flat-push cutting, intelligent chopping cutting, layered cutting
Feed method	Continuous feed, pulse feed, intelligent feed
Control System	7-inch color touchscreen, PLC control
Cut Blade Specifications	Ø450×3.5×Ø32mm
Cut Blade Rotation Speed	500-2800 rpm
Cut Feed Speed Range	0-3 mm/s (speed can be modified by the user as needed)
Table size	600×500 mm (including moving and fixed worktables)
X-axis maximum travel distance	100mm (Other sizes available upon request)
Y-axis maximum travel distance	300mm (Other sizes available upon request)
Z-axis maximum travel distance	220mm (Other sizes available upon request)
Maximum cutting diameter	Ø160mm
clamps	quick clamps
Cooling water tank capacity	100L
Defogger method	Oil mist separator
Dirty removal method	Magnetic separator
Lighting method	LED lighting
Lubrication method	automatic
Cutting motor	7.5Kw
Main power	10Kw
Power supply	380V,50Hz
Dimensions	1400mm*1600mm*1900mm
Weight	2200Kg



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★ PRODUCT FEATURES

- Machine type: Vertical. Main components include an upper section (safety cover), middle section (frame), right sliding door, side door, lower frame (electrical box, toolbox), clamps, rinsing faucet, and independent cooling water tank.
- Equipped with a Mitsubishi programmable controller, offering extremely high reliability and powerful control capabilities.

KASON CUT-185Z

Automatic Metallographic Cutting Machine

METALLOGRAPHIC CUTTING MACHINE



★ TECHNICAL PARAMETERS

Model	KASON CUT-185Z
Max. cutting diameter	∅ 185mm
Cutting table size	680×1030mm
Cut-off wheel	508×4×38,1mm
Cooling water tank volume	150L
Cutting mode	Chop-cutting, push cutting, sweep cutting
Feed method	Automatic feed rate
Cutting speed	0.01-1mm/s (adjust 0.01)
Cutting method	Manual / Automatic
Reset method	Automatic
Cooling system	Circulating water cooling
Rotating speed	0-1900rpm
Rotax movement	Z 260mm Y 350mm X 260mm
Dimension and net weight	2005mm*1475mm*2200mm,1270kg
Packaging size and gross weight	Equipment: 2370*1960*1700mm; Water tank: 1400*700*720mm;Total weight:1270kg
Power supply	380V 50Hz 11KW

★ PRODUCT FEATURES

- Equipped with Manual Pulse Generator which is convenient for quick positioning.
- Various cutting data can be displayed on touch screen, HMI (Human Machine Interface) controlling.
- Four kinds of cutting types of swing cutting, continuous cutting, to-and-fro cutting and speed-changing cutting.
- Cutting speed can be changed according to different hardness materials so as to realize fast cutting. It can reach 10mm/min. cutting speed on steel round bar specimen.
- Full-closed structure is adopted in working area.
- Large viewing window is provided on transparent safety shield of cutting chamber.
- Special lubricant liquid cooling tank with magnetic filter. Stainless working table.
- Water-jet type cleaning system. LED lighting system. Quick clamping vices.
- Humanization design, precise positioning, low noise, convenient operation, beautiful appearance, reliable and safe performance



Metallographic products



Metallographic cutting lubricant



Metallographic consumables