

Beta 400MA Beta-400MA Automatic Cut-off Machine

Beta-400MA is a large Manual/Auto cutting machine, which is suitable for cutting various metal materials, ceramics, quartz glass, and petrographic samples. The equipment is equipped with a variety of fixtures, can cut irregularly shaped samples, and realize the feed cutting of worktable (Y-axis) and the chopping cutting (Z-axis) of cutting samples. The flexible and automatic cutting mode can improve the efficient. The pulsing cutting plus the huge recirculating tank greatly avoid the surface burning of the sample.



New!

Features

- Cast aluminum base&304 stainless steel cover, strong overall rigidity, more durable, corrosion-resistant;
- Using joystick to control the movement of the blade and table, more labor-saving & efficient;
- Large table and operating space;
- The X-axis(parallel cutting) can be moving manually, the multiple cutting only need once clamping;
- Equipped with Auto-Washing function, the water mist on the window and swarf in the cutting chamber can be quickly removed;
- Equipped with auto ventilation and air purification device, it can quickly remove the water vapor in the cutting room and purify the odor generated during cutting;
- Floor-standing design with independent recirculating tank, easy to move and clean;
- Equipped with laser alignment device.



Technical Specifications

Model		Beta-400MA
Blade	Speed	800 & 2000rpm
	Diameter	Φ400~450mm
	Arbor size	Φ32mm
Electrical	Input	3x380V/50Hz+(N)+(E)
	Cutting power	7.5KW
Safety	Emergency stop	Press to cut off the control loop and stop all movements
	Quick stop	The cut-off blades will be stop within 2 second after the cutting finished
	Safety lock	It can not start while the door open and the door can not open during cutting
	Joystick	Should operated by 2-hands simultaneously
	Overcurrent protection	The machine will be stoped when the current over loaded
	Limit position	Limit switch + set the max. displacement + set the min.position to prevent the table from being cut by mistake or over limit
Control	Display/Operation	7"touch screen
	Chop Cutting	Automatically /control by Joystick: 0.01~3mm/s
	Table-feed Cutting	Manual-auto /control by Joystick: 0.01~5mm/s
	Parallel feeding	Controlled by joystick, precision 0.1mm
Recirculating Tank	Capacity	130L
	Dimension	1200*450*610mm(WxDxH),With Pump Installed
	Connector	Inlet: Φ19mm(ID) high-pressure hose; Outlet: Fixed Drainage Tray
	Filter	Magnetic Separator
	Cooling way	4 flexible hoses , flow: 100L/min
Smart Cut	Cutting Model	Manual Table Feed / Auto Table-feed / Auto Chop cutting
	Feeding-Rate Adjustment	Constant / Pulse Cutting / Automatic Adjustment
Cutting capacity Φ400 blade	Max. Dia.	Φ150mm
	Max. Square section	120*350mm (Must be cut at least twice)
Table	Dimension (WxD)	438*388mm
	T_slot Size	12mm
	Travel	Z-axial:210mm;Y-axia:370mm;X-axial:210mm
Dimensions	W*D*H	1017*1317*1729mm(Close), 1851*1774*2224mm(Open)
Weight	Cutter	550kg
	Recirculating Tank	40kg

