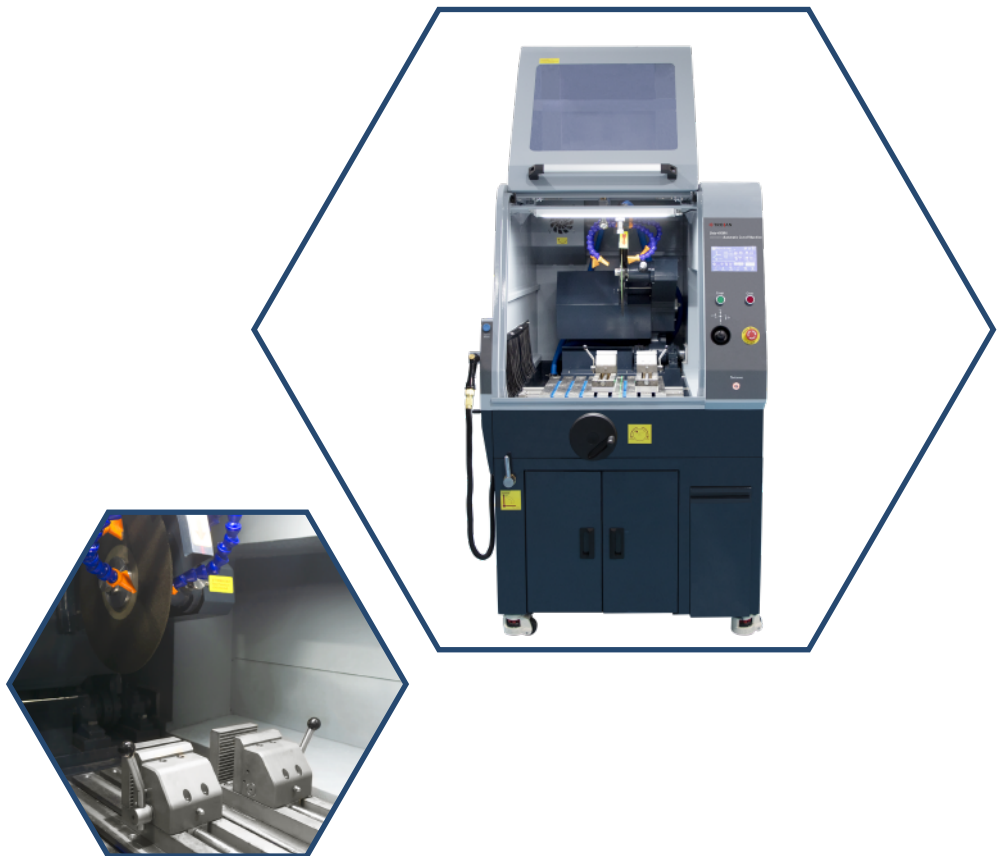


# *Beta-400MA*

## *Automatic Cut-Off Machine*

CUTTING

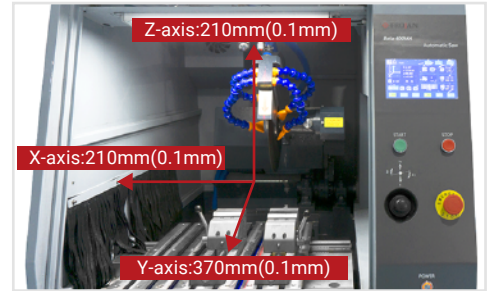


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TROJAN (SUZHOU) MATERIAL TECHNOLOGY CO.,LTD

# 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.



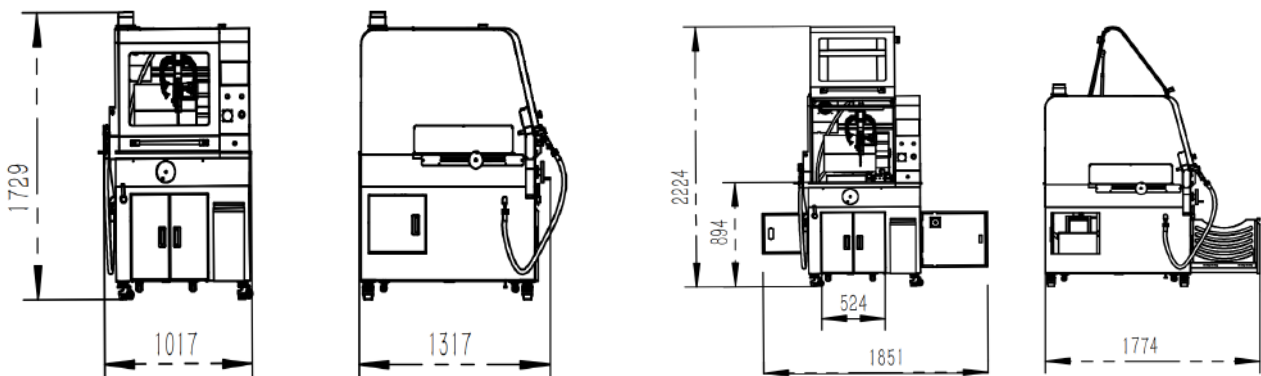
## Features:

- ◆ 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.



## Dimension Figure

Unite: mm












The water tank is inside of the cutter

The dimensions on the cutter when the door open

## Technical Data:

Model		Beta-400MA
Cut-off Wheel	Speed	800-2000rpm
	Diameter	Φ400~Φ450mm
	Arbor Dia.	Φ32mm
	Height above table	220mm @Φ400 blade; 190mm @Φ450 blade
Cutting table	Size (W×D)	438X388 mm
	T-slots	12mm
	Amount of feed	0.1-4mm/S
	Travel along Y-	370mm
	Travel along X-	220mm, Manual
Capacity @ Φ400 Wheel	Dia.	Φ130 mm
	Height × Length	130x400 mm
Capacity @ Φ450 Wheel	Dia.	Φ150mm
	Height × Length	150x300mm
Power supply	Power inlet	3x380V/50Hz+1N + 1PE
	Rated power	7.5KW
Safety	Emergency stop	Press to cut off the control circuit
	Interlock switch	Door is locked while cutting
	Joystick	Two-handed operation
	Overload protection	Automatic adjust feed rate
Cooling Tank	Capacity	150L
	Dimensions	1200x450x610mm(WxDxH, with water pump)
	Inlet & Outlet	Inlet: ID=Φ19 mm hose ; Outlet: ID= Φ38 mm hose
	Water flow	6 channels, flow rate: 100L/min
Smart cutting	Cut mode	Manual/Table Feeding /Chop Cut
	Feed mode	Constant speed/ Pulse /Auto-adjust speed
Dimension	W*D*H	1017*1317*1729mm(closed); 1851*1774*2224mm(open)
Weight	Main unit	550kg
	Water tank	40kg

## Standard Accessories:

1	Recirculating cooling and filter system		Capacity: 130L, flow: 100L/Min	1set
2	Fast vise		F400L/R	1set
3	Open spanner		M30 Open spanner	1pc
4	Allen key		8mm Allen key	1pc
5	Cutting blades fix		Lock nut 1pcs+Fixing piece 2pcs	1set
6	Inlet pipe		Φ19mm Rubber pipe 1.5m	1pc
7	Outlet pipe		Φ38mm steel wire pipe	1pc
8	Grease gun			1set
9	Cutting blade		A604030 (400*32*3.0) A504030 (400*32*3.0)	5pcs each

## Optional Accessories:

1	Large Vertical clamp		H400	
2	Fast vise		F300L/R	
3	Padding block for vertical vise		H400-BLOCK	
4	Extend arm		H400-EX	

## Related Consumables & Accessories:



Cut Off Wheels



Cutting Coolant

## Purchase list:

### Cut Off Wheels:

01.01.180	A60 Cut Off Wheels(Extremely Hard)	A604030	400*32.0*3.0mm	10pcs
01.01.280	A50 Cut Off Wheels(Medium Hard)	A504030	400*32.0*3.0mm	10pcs
01.01.380	A30 Cut Off Wheels(Soft)	A304030	400*32.0*3.0mm	10pcs
01.02.480	S20 Cut Off Wheels(Soft Non-Ferrous)	S204030	400*32.0*3.0mm	10pcs

### Cutting Coolant:

01.07.810/820	TJ 1220 Cutting Coolant	1L/5L
01.07.857/860	TJ 1410 Cutting Coolant	1L/5L
01.07.890/900	TJ 1506 Cutting Fluids Preservatives	1L/5L



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