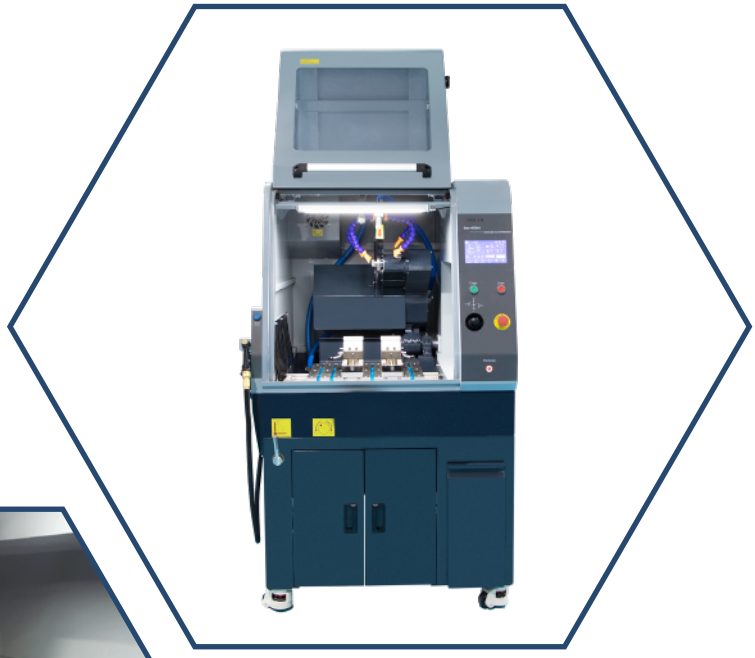
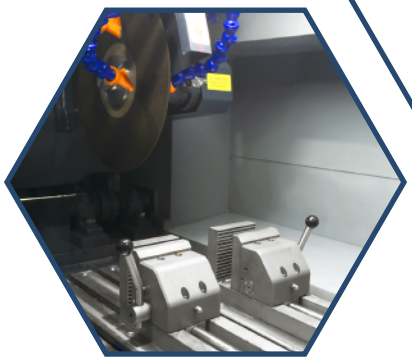
TROJAN
Discover the Truth of Material

Beta-400Pro Automatic Abrasive Sectioning Machine

SECTIONING



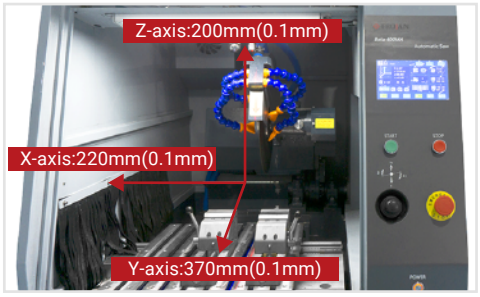


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TROJAN (SUZHOU) MATERIAL TECHNOLOGY CO.,LTD

Beta-400Pro Automatic Abrasive Sectioning Machine

Beta-400Pro is a fully automatic large-scale cutting machine, suitable for cutting various metal materials, ceramics, quartz glass, and rock samples. Beta-400Pro is equipped with various clamps to cut irregularly shaped workpieces, and it features automatic/manual feed cutting of the worktable (Y-axis), chop cutting of the cutting disc (Z-axis), and automatic horizontal translation of the worktable (X-axis).



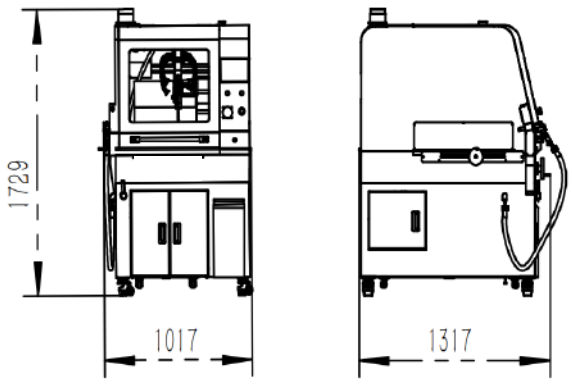
Features:

- Cast aluminum base, 304 stainless steel cover for strength,durability, and corrosion resistance;
- Joystick control for XYZ-axis alignment, easy and quick operation;
- Large worktable and operating space;
- X-axis platformautomatically moves, enabling continuous cutting;Equipped with an exhaust and air purification system;
- 150 Litre freestanding independent water tank;
- Integrated magnetic separator, paper belt filtration system, and laser alignment for clean operation and precise positioning.

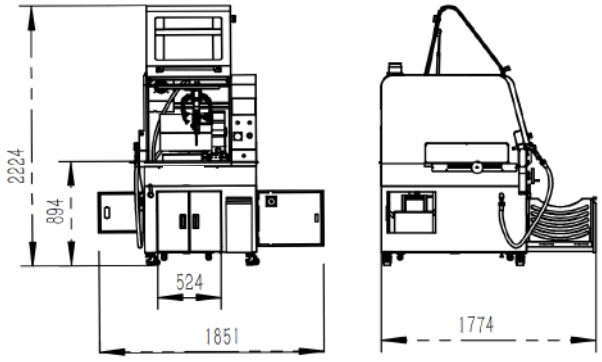


Dimension Figure

Unite: mm



The water tank is inside of the cutter



The dimensions on the cutter when the door open

Technical Data:

Model		Beta-400Pro
Cut-off Wheel	Speed	800-2000rpm
	Diameter	Φ400
	Arbor Dia.	Φ32mm
	Height above table	220mm @Φ400 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
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	130L
	Dimensions	1200x450x610mm(WxDxH, with water pump)
	Inlet & Outlet	Inlet: ID=Φ19mm hose ; Outlet: ID= Φ38mm hose
	Water flow	6 channels, flow rate: 100L/min
Smart cutting	Cut mode	Manual/ Platform Feed / Chop/ Segmented / Parallel Slicing
	Feed mode	Constant speed / Pulsing / Automatic speed adjustment
Dimension	W*D*H	1017*1317*1729mm(closed); 1851*1774*2224mm(open)
Weight	Main unit	560kg
	Water tank	40kg

Standard Accessories:

1	Recirculating cooling and filter system		130L	1set
2	Fast vise		F400L/R	1set
3	Open spanner		M30 Open spanner	1pc
4	Allen key		M8 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	Abrasive Wheels		A604030 (400*32*3.0) A504030 (400*32*3.0)	5pcs each

Optional Accessories:

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

Related Consumables & Accessories:



Abrasive Wheels



Coolant

Purchase list:

Abrasive Wheels:

01.01.180	A60 Alumina Abrasive Wheels (Very hard ferrous metals)	A604030	400*32.0*3.0mm	10pcs
01.01.280	A50 Alumina Abrasive Wheels (Medium hard ferrous metals)	A504030	400*32.0*3.0mm	10pcs
01.01.380	A30 Alumina Abrasive Wheels (Soft ferrous metals)	A304030	400*32.0*3.0mm	10pcs
01.02.480	S20 Abrasive Cut Off Wheels (Non-ferrous soft metals)	S204030	400*32.0*3.0mm	10pcs

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 Cleaner	1L/5L

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TROJAN (SUZHOU) MATERIAL TECHNOLOGY CO.,LTD
Tel: +86-512-65283666
Email: sales@trojanchina.com
Web: www.trojanworld.com
Add: Building 26,No.228 Gongtang Road,Luzhi Town,Wuzhong Suzhou,China