

### Larger Workbench Beta-300Pro Automatic Cut-Off Machine



**Features:**

1. Equipped with 7"touch screen & saving 20 programs;
2. Can automatic cutting from 3-axis X-Y-Z, laser alignment which can display the cutting routine, rapid position;
3. Various cutting modes can meet different cutting requirements;
4. According to the hardness of the material and preset cutting current, intelligent adjustment & optimization cutting progress;
5. T-slot vises which easy to clamping and matches variety of shaped fixture;
6. Pulsing cutting - adjust the cutting speed automatically which can get better surface quality;
7. Auto detect whether cut-off.

**Application:**

Ferrous metal, non-ferrous metal; Castings, heat treatment samples, forgings; Semiconductor, ceramics (with special cut-off wheels); Other metal and non-metal materials.

**Technical parameter:**

Model		Beta 300 Pro
Wheel	Speed	800~3500rpm
	Dia.	Φ300mm
	Arbor size	32mm
Electronic	Input	3x380V/50Hz+ground line
	Power	Total power 5.0KW, Cutting power 4KW
Safety	Emergency stop	Press to disconnect the control loop and main power
	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
	Over Current Protection	The machine will be stopped when the current over loaded
	Cutting Force	Monitor the cutting force, the machine will stop if the cutting force on the blade higher than the safe value.
Control	Display / Control	7"touch screen
	Z-axis (Chop Cutting)	Automatically: 0.01~5mm/s

	Y-axis (Table Feeding)	Automatically: 0.01~5mm/s
	X-axis (Paralleled Cutting)	Motor Control by Joystick
Cooling Tank	Capacity Volume	80L
	Dimensions	720*550*550mm(W*D*H, with pump installed)
	Connector	Water inlet: $\Phi$ 19 inner diameter high pressure pipe; water outlet: $\Phi$ 38 inner diameter hose.
	Water way	2 Channels, flow: 50L/min
Intelligent Cutting	Cutting Mode	Y-axial(Table-feed cutting) /Z-axial(Chop cutting)/Y-Z segmented cutting
	Speed adjustment method	Constant speed cutting / pulse cutting / automatic speed adjustment
	Laser alignment	Yes
	Auto find the origin	Yes
	Auto detect whether cut-off	The machine will stop automatically after cut-off without setting the cutting depth
Cutting Capacity	Max. dia	$\Phi$ 110mm
	Max. Square section	80*200mm
Table	Dimension	280*536mm
	T-slot	12mm
	Travel	Z-axis :150mm ;Y-axis :200mm ;X-axis:80mm;
Dimension	W*D*H	979*940*1535mm(Close), 979*940*1881mm(Open)
Weight	Cutter	376kg
	The water tank	34kg