



OCEAN TECHNOLOGIES CO., LTD

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River 1000 Drilling Specifications

Machine Specification		
1	Machine working axes	X: 1000mm, Y: 1200mm, Z: 1000mm, W: 700mm
2	Positioning accuracy:	X: +-0.01mm, Y: +-0.01mm, Z: +-0.01mm, W: +-0.01mm
3	Repeat positioning accuracy	X: +-0.005mm, Y: +-0.005mm, Z: +-0.005mm, W: +-0.005mm
4	Discharge circuit	HP1+ 1~64A
5	Tool change system	ATC50 / AGC10
6	Maximum working load	3000kgs
7	Power specification	220VAC+-10%, 3 phase, 6kVA
8	Water tank specification	150L water tank, 10 μ m impurity filter, water conductivity filter (less than 35 μ S/cm), HP1+ discharge circuit specifications
Machine Voltage		
1	Processing output voltage	64VDC, 92VDC, 106VDC
2	Processing output current	1~64A
3	Power switching elements	MOSFET 200VDS, RDS 0.085ohm, ID30A
Water tank		
1	Water tank capacity	150L (including above)
2	Processing fluid	pure water (H ₂ O)
Material & Processed		
1	Material of processed	SUS 630 (reinforced stainless steel)
2	Tool material	brass tube (60% copper, 40% zinc or 70% copper, 30% zinc), 150mm long, single hole in the center
3	Machining hole diameter	tool diameter 0.1mm, finished hole 0.15mm (tolerance +0.01, -0.03mm)
4	Processing hole depth	3mm



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River 1000 Outward Appearance

