

WAZER PRO

The WAZER PRO is a versatile waterjet cutter that can handle various materials like metal, glass and plastic. It cuts up to 1-inch thick aluminum and 0.375-inch thick stainless steel, making it perfect for demanding tasks. It's fast, efficient, and low-maintenance, ideal for engineers, manufacturers, artists, and educators.

WAZER DESKTOP

The WAZER Desktop is the first compact, industrial-grade waterjet cutter. It can cut a variety of materials, including metal, glass, plastic, and stone with digital precision. Ideal for small workshops, it offers advanced cutting capabilities at an affordable price.

TECHNICAL SPECIFICATIONS

TOP SPECS	WAZER PRO	WAZER DESKTOP
CUTTING AREA	12 X 18 IN 305 X 460 MM	12 X 18 IN 305 X 460 MM
KERF (WIDTH OF CUT)	0.044 IN 1.1 MM	0.044 IN 1.1 MM
ABRASIVE RATE	0.33 LB/MIN 0.15 KG/MIN	0.33 LB/MIN 0.15 KG/MIN
POWER REQUIREMENT	220V / 60Hz	110V / 60Hz
CUTTING SPEED	VARIABLES BY MATERIAL & THICKNESS	VARIABLES BY MATERIAL & THICKNESS
MAXIMUM CUTTING THICKNESS	VARIABLES BY MATERIAL	VARIABLES BY MATERIAL
WARRANTY PERIOD	1 YEAR	1 YEAR

CUTTING SPECS	WAZER PRO	WAZER DESKTOP
CUTTING AREA	12 X 18 IN 305 X 460 MM	12 X 18 IN 305 X 460 MM
CUT BED SIZE	13 X 19 IN 330 X 485 MM	13 X 19 IN 330 X 485 MM
KERF (WIDTH OF CUT)	0.044 IN 1.1 MM	0.044 IN 1.1 MM
CUTTING MATERIALS	Cuts metal, glass, plastic, composites, tile, rubber, foam	Cuts metal, glass, plastic, composites, tile, rubber, foam

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CUTTING SPECS	WAZER PRO	WAZER DESKTOP
CUTTING SPEED	Depends on material & thickness	Depends on material & thickness
MAXIMUM CUTTING THICKNESS	Varies by material	Varies by material
CONTINUOUS CUTTING TIME	90 min (prior to refilling abrasive hopper)	60 min (prior to refilling abrasive hopper)
GANTRY MAX SPEED	59 IPM 1,500 MM/MIN	59 IPM 1,500 MM/MIN
GANTRY POSITIONAL ACCURACY	0.003 IN 0.08 MM	0.003 IN 0.08 MM

ABRASIVE SPECS	WAZER PRO	WAZER DESKTOP
ABRASIVE RATE	0.33 LB/MIN 0.15 KG/MIN	0.33 LB/MIN 0.15 KG/MIN
ABRASIVE HOPPER CAPACITY	42 LB 19.1 KG	42 LB 19.1 KG
ABRASIVE MATERIAL	80 Mesh Alluvial Garnet	80 Mesh Alluvial Garnet
USED ABRASIVE COLLECTION	<p>>0.33 LB/MIN >0.15KG/MIN</p> <p>Collects all of the used abrasive during cutting.</p> <p>Accidental abrasive pileup on the bottom of the tank does not clog the system. Abrasive collection system is always recoverable without the need to scoop by hand.</p>	<p>>0.33 LB/MIN >0.15KG/MIN</p> <p>Collects some of the used abrasive during cutting. Tank-cleaning cycles are needed afterwards to collect additional abrasive.</p> <p>Uncollected abrasive on the bottom of the tank can clog the system, requiring draining the tank and scooping out the abrasive by hand.</p>

POWER SPECS	WAZER PRO	WAZER DESKTOP
110V-220V / 60Hz WAZER (NA)	Compatible with all countries whose electrical standard is 220V / 60Hz	Compatible with all countries whose electrical standard is 110V / 60Hz
WATERJET MAIN UNIT	220VAC, 60Hz, 16.1A, 3700W	100-240 VAC, 50/60Hz, 2A, 200W
PUMP BOX	N/A (Integrated into main unit)	110-120 VAC, 60Hz, 14A, 1500W

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HIGH PRESSURE WATER SPECS	WAZER PRO	WAZER DESKTOP
HYDRAULIC POWER	2088 W 2.8 HP	820 W 1.1 HP
MAXIMUM ALLOWABLE WORKING PRESSURE	8600 PSI 593 BAR	4600 PSI 317 BAR
MAXIMUM WORKING FLOW RATE (AT 7400 PSI FOR WAZER PRO, AND AT 4000 PSI FOR WAZER DESKTOP)	0.66 GPM 2.5 L/MIN	0.45 GPM 1.7 L/MIN
ORIFICE DIAMETER	0.021 IN 0.51 MM	0.019 IN 0.48
ORIFICE MATERIAL	RUBY OR SAPPHIRE	RUBY OR SAPPHIRE
MIXING TUBE DIAMETER (INTERNAL)	0.045 IN 1.1 MM	0.045 IN 1.1 MM
MIXING TUBE MATERIAL	TUNGSTEN CARBIDE	TUNGSTEN CARBIDE

INPUT WATER SPECS	WAZER PRO	WAZER DESKTOP
WATER SOURCE	FILTERED TAP WATER	FILTERED TAP WATER
INPUT WATER FILTER	300 MESH	300 MESH
INPUT WATER PRESSURE (MIN)	35 PSI 2.4 BAR	35 PSI 2.4 BAR
INPUT WATER FLOW RATE (MIN)	1.5 GPM 5.7 L/MIN	1 GPM 3.8 L/MIN
INPUT WATER HARDNESS (MAX TDS)	180 PPM 180 MG/L	180 PPM 180 MG/L
INPUT WATER TEMPERATURE (MAX)	130 °F 54 °C	130 °F 54 °C

WATER DRAINAGE SPECS	WAZER PRO	WAZER DESKTOP
WATER DRAIN DISTANCE FROM WATERJET (MAX)	30 FT 9 M	30 FT 9 M
WATER DRAIN HEIGHT ABOVE WATERJET (MAX)	4 FT 1.2 M	4 FT 1.2 M
WATER DRAINAGE FLOW RATE (MAX)	1.5 GPM 5.7 L/MIN	1.5 GPM 5.7 L/MIN
WATER RECIRCULATION	NOT RECOMMENDED	NOT RECOMMENDED

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SOFTWARE SPECS	WAZER PRO	WAZER DESKTOP
SYSTEM REQUIREMENTS	Internet connection required	Internet connection required
BROWSER COMPATIBILITY	Chrome, Safari, Edge, Explorer, Firefox	Chrome, Safari, Edge, Explorer, Firefox
COMPATIBLE INPUT DESIGN FILE TYPES	.DXF, .SVG	.DXF, .SVG
OUTPUT CUT FILE TYPE	.GCODE	.GCODE
CONNECTIVITY TO WAZER	SD CARD	SD CARD
COST	FREE	FREE
CERTIFICATIONS	WAZER PRO	WAZER DESKTOP
NORTH AMERICA (60Hz)	N/A	UL, cUL, FCC
International (50Hz)	CE	CE
MISC SPECS	WAZER PRO	WAZER DESKTOP
WATERJET SIZE	34 x 26 x 55 IN 856 x 648 x 1400 MM	Standup Configuration: 34 x 26 x 48 IN 856 x 648 x 1220 MM Desktop Configuration: 34 x 36 x 22 IN 856 x 648 x 551 MM
PUMP BOX SIZE	N/A (INTEGRATED INTO MAIN UNIT)	21 x 15 x 10 IN 533 x 379 x 251 MM
WATERJET MAIN UNIT WEIGHT (EMPTY TANK)	375 LB 170 KG	110 LB 50 KG
WATERJET MAIN UNIT WEIGHT (FILLED TANK)	800 LB 360 KG	400 LB 180 KG
PUMP BOX WEIGHT	N/A (INTEGRATED INTO MAIN UNIT)	92 LB 42 KG
CONNECTIVITY	Offline. No internet required	Offline. No internet required
NOISE EMISSION	TBD	74 +/- 3 dB
NOISE PRESSURE LEVEL	77.6 dB	87 +/- 3 dB
ROOM TEMPERATURE (OPERATING)	32 – 160 °F 0 – 70 °C	32 – 160 °F 0 – 70 °C
ROOM TEMPERATURE (STORAGE)	32 – 104 °F 0 – 40 °C	32 – 104 °F 0 – 40 °C
WARRANTY PERIOD	12 MONTHS	12 MONTHS

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SPECIAL REQUIREMENTS	WAZER PRO	WAZER DESKTOP
MINIMUM WEIGHT SUPPORTING SURFACE MUST WITHSTAND	Floor Only 1300 LB 600 KG	Floor or Table 400 LB 180 KG
SPATIAL FOOTPRINT	Floor Only 46 x 27 IN 1.2 x 0.7 MM	Floor or Table 46 x 27 IN 1.2 x 0.7 MM
HEIGHT CLEARANCE	80 IN 2 M Above the Floor	25 IN 0.6 M Above the Top of the Machine

MAINTENANCE	WAZER PRO	WAZER DESKTOP
SHORT-TERM MAINTENANCE	Interval: 20-50 hrs of cutting	Interval: 20-50 hrs of cutting
MEDIUM-TERM MAINTENANCE	Interval: 300 hrs of cutting	Interval: 300 hrs of cutting
LONG-TERM MAINTENANCE	Interval: 600 hrs of cutting	Interval: 600 hrs of cutting

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