

# WAZER Compact Waterjet

WAZER is the first compact waterjet that cuts virtually any hard or soft material with digital precision. The high velocity jet uses a combination of high-pressure water and sandlike abrasive particles to cut through the workpiece. The low cost and unsurpassed capabilities make the Wazer a natural addition to any Makerspace, Fab Lab, or Engineering Education program.

Here is just a handful of examples of the types of materials the Wazer is capable of cutting.



Prices includes a spare cut bed, two buckets of abrasive, two water sensors, accessory kit, setup kit, plumbing kit, spare parts, user manual, 12 month warranty, and free shipping.



Wazer Standup with PBL - \$11,995.00

Wazer Desktop with PBL - \$10,995.00



Load your design file (.dxf or .svg) in Wazer's web-based software (WAM), and you'll be cutting parts in minutes!



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# Materials and Cutting Speeds & Technical Specifications

## MATERIALS & CUTTING SPEEDS

Material	Thickness	Cut Rate (inches per minute)	Max Thickness
<b>Metals</b>			
Aluminium 6061	.016"	10.2 ipm	.500"
Aluminium 6061	.063"	3.0 ipm	.500"
Aluminium 6061	.125"	1.7 ipm	.500"
Aluminium 6061	.250"	0.9 ipm	.500"
Aluminium 6061	.375"	0.6 ipm	.500"
Aluminium 6061	.500"	0.5 ipm	.500"
Copper 110	.031"	1.9 ipm	.188"
Copper 110	.063"	1.1 ipm	.188"
Copper 110	.125"	0.6 ipm	.188"
Copper 110	.188"	0.5 ipm	.188"
Stainless Steel 316	.016"	2.9 ipm	.125"
Stainless Steel 316	.031"	1.8 ipm	.125"
Stainless Steel 316	.063"	1.1 ipm	.125"
Stainless Steel 316	.125"	0.7 ipm	.125"
Mild Steel 1008	.031"	2.1 ipm	.125"
Mild Steel 1008	.063"	1.3 ipm	.125"
Mild Steel 1018	.125"	0.6 ipm	.188"
Mild Steel 1018	.188"	0.5 ipm	.188"
Titanium G5	.016"	4.1 ipm	.125"
Titanium G5	.031"	2.3 ipm	.125"
Titanium G5	.063"	1.3 ipm	.125"
Titanium G5	.125"	0.7 ipm	.125"
<b>Misc.</b>			
Polycarbonate	.125"	3.4 ipm	.313"
HDPE	.500"	0.8 ipm	.500"
Silicone, 50A	.250"	21.5 ipm	.500"
Glass, Borosilicate	.125"	10.6 ipm	.500"
Glass, Soda Lime	.125"	7.2 ipm	.250"
Carbon Fiber	.188"	0.8 ipm	.188"
Tile, Ceramic	.375"	9.6 ipm	.375"
Tile, Porcelain	.375"	1.9 ipm	.375"

## TECHNICAL SPECS

### Size and Weight

WAZER Size	34" x 25" x 21" (864 mm x 635 mm x 534 mm)
with Stand Leg Accessory	34" x 25" x 47" (864 mm x 635 mm x 1194 mm)
WAZER Empty Weight	110 lbs. (50 kg.)
WAZER Loaded Weight	300 lbs. (136 kg.)
Pump Box Size	21" x 15" x 11" (533 mm x 355 mm x 280 mm)
Pump Box Weight	92 lbs (42kg)

### Cutting

Cutting Area	12" x 18" (305 mm x 460 mm)
Cut Bed Size	13" x 19" (330 mm x 485 mm)
Kerf (width of cut)	0.044" (1.2mm)

### Water

Water Source	Tap Water
Water Draining	Standard Water Drainage
Input Water Filter	100 mesh
Water Recirculation	Not Recommended

### Abrasive

Abrasive Flow Rate	0.33 lbs./min
Abrasive Capacity	30 lbs
Abrasive Type	Garnet 80 mesh

### Gantry

Maximum Linear Speed	75 IPM (1905 mm/min)
Gantry Positional Precision	0.003" (0.08 mm)

### Power

WAZER	110-120V AC; 60Hz; 2A
Pump Box	110-120 V AC; 60Hz; 15A

### Wam Software

Browser Compatibility	Chrome, Internet Explorer, Safari, Firefox
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### Miscellaneous

Compatible File Types	.dxf, .svg
Connectivity	SD Card

