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# WAZER CHEAT SHEET

# WAZER

## WORLD'S FIRST WORKBENCH WATER JET CUTTER

The Wazer is the world's first workbench water jet cutter. It has brought the power of water within everyone's reach. However, to a first-time user it can seem quite complicated. That's why Solid Print have made this overview of what to expect from the Wazer.

### WHAT IS THE WAZER?

Launched on Kickstarter in 2016 (where it surpassed its \$100,000 funding goal by \$1.2 million), the Wazer is the world's first workbench-sized water jet cutting machine.

### WHAT DOES THE WAZER AIM TO SOLVE?

The U.S.-based company behind the machine – also called Wazer – created this machine with a single goal: to make water jet cutting affordable and available for smaller businesses.

And whilst laser-based cutters did achieve this earlier, they were limited by their ability to only cut soft materials. But for harder materials, like metal or stone, the only options available for small businesses were inaccurate manual tools.

This is what the Wazer aimed to solve. With a footprint of only 86.4 x 63.5 x 53.4 cm, the Wazer is not only compact but can also cut through virtually any material. And with a cut width of only 1.2mm, it can create finely detailed, high-quality parts.



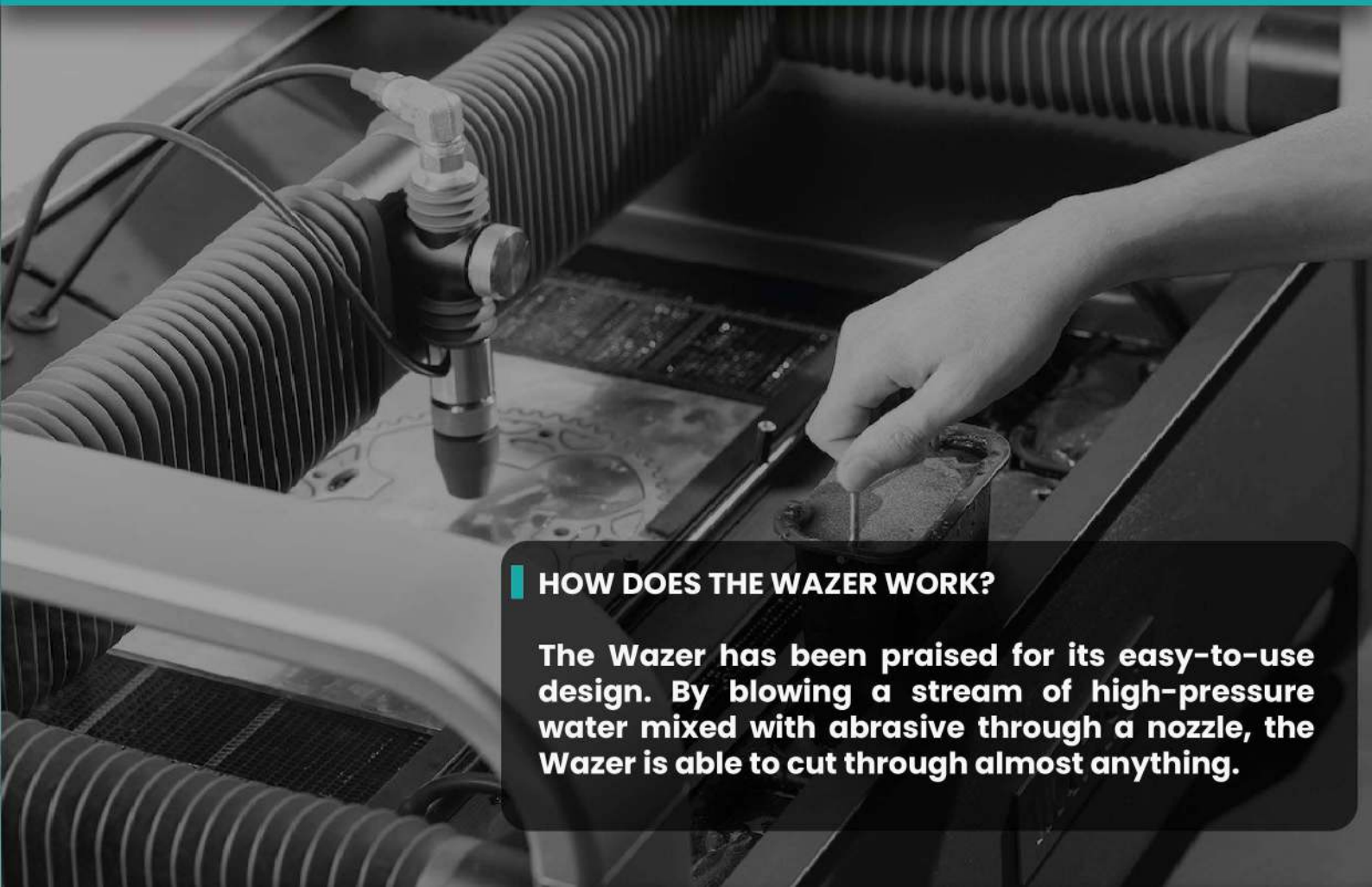
## WHY USE THE WAZER?

**Material range:** The Wazer cuts through practically anything with the manufacturer highlighting its ability to slice stainless steel, marble, glass, HDPE plastic, carbon fibre, and silicone.

**Size:** Wazer's compact size allows manufacturers to have their own water jet cutting machine even in a small workshop. If you don't have a workbench available, Wazer also offers a sturdy floor stand for the machine.

**Cost:** Wazer costs only a fraction of an industrial water jet cutter's price. You'll also save on outsourcing costs (as you'll cut the parts in your own workshop), meaning the only running costs are water, electricity, abrasive, and the materials.

**Production flexibility:** Wazer opens a new realm of opportunity for small-scale manufacturers. It can easily cut out, among other things, spare parts, decorative tiles, or flat sculptures.



## HOW DOES THE WAZER WORK?

The Wazer has been praised for its easy-to-use design. By blowing a stream of high-pressure water mixed with abrasive through a nozzle, the Wazer is able to cut through almost anything.

## WHAT CAN THE WAZER CUT?

MATERIAL	MAX THICKNESS
STAINLESS STEEL	3.05mm
LOW CARBON STEEL	6.35mm
HDPE	12.7mm
SILICON	12.7mm
TOOL STEEL	4.06mm
CARBON FIBRE	4.78mm
BORO GLASS	15.88mm
ALUMINIUM 606	12.7mm
MARBLE	12.7mm

Don't see the material or thickness you want to cut? Contact one of our experts at [info@solidprint3d.co.uk](mailto:info@solidprint3d.co.uk) or call 01926 333 777.

## WHAT IS REQUIRED FOR INSTALLING A WAZER?

**Electrical:** The WAZER main unit only comes as one model, however the pump unit comes as different models for the specific voltage region they are intended for. Please ensure you follow the appropriate electrical hookup instructions below given your model of WAZER.

**Water supply:** Some areas are susceptible to dirty water or water main breaks. Please be sure to include a mechanical prefilter before the inlet to the pump to ensure water supply contaminants don't go into the pump.

**Water drainage:** Make sure that it does not take more than 30 feet (9m) of your Water Drain Hose to go from WAZER to the drain. Additionally, the drain location should be less than 4 feet (12mm) above WAZER.

**Desktop:** Sturdy and capable of holding over 400 lbs. (160kg) Flat and level under load, alternatively use the stand up version.

High quality 80mm Alluvial abrasive must be used with the Wazer - available to purchase at [www.solidprint3d.co.uk/shop](http://www.solidprint3d.co.uk/shop).



## HERE IS HOW TO USE IT

Firstly, the operator must prepare a cutting template. As Wazer supports DXF and SVG files, this means you can draw the shape template with practically any free or commercial vector-based graphics editor.

Once done, upload the file to Wazer's web-based preparation software which will prepare your design to be printed.

Press start and watch your creation come to life!



"Whether it's steel, aluminum, glass, stone, carbon fiber, etc... Simply load your design into WAZER's proprietary software program and let the waterjet work its magic."

Micheal J. Marquis

*To find out more about the Wazer, contact one of our experts to see how the Wazer could help your business*

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*Request a call with one of our experts or drop us an email.*

*You can also find us on the following social media platforms:*

