

shapewave® wavemaker01 - Internal Tape Welding Machine

You cannot have internal welded tape without a machine to create it so, after dedicating countless hours to design, engineering and rigorous testing, we have successfully created the first shapewave® wavemaker01.

The wavemaker01 is capable of welding highly detailed inner tape structures for rigid inflatable products allowing for a wide variety of inflatable shapes.

The wavemaker01 is a fully automated welding robot which boasts the ability to perform welding at a stunning rate of one weld per second, offering unparalleled precision and remarkable flexibility in various aspects, including bi-axial weld angles, tape length, width, and more.

With the wavemaker01, we enable you to effortlessly "3D print" inflatable structures, giving you unprecedented creative freedom directly from your CAD model. Our shapewave® farms will be operating numerous wavemakers to meet demand.

Smaller and larger, as well as high-efficiency multi-head shapewave® wavemakers are currently being developed to meet market needs.

In theory, the machine should be able to achieve speeds of two metres per minute of fabricated component on a 2m wide 5cm deep structure.

