



  
1250 x 1100 mm  
Torch Travel Area

$\pm 0.2$  mm  
Rack and Pinion Drive  
with  $\pm 0.2$  mm Accuracy

Integrated  
Automatic Torch  
Height Control (THC) and  
Stand-Alone Controller



## Workshop Series WS1212 CNC Cutting Table 1220mm x 1220mm

The Strata WS1212 CNC Cutting Table is a large-format plasma cutting system built for workshops needing capacity without stepping into full industrial equipment. It handles full sheet material up to 1220 mm x 1220 mm, removing the need for resizing before cutting. A rack-and-pinion drive system with stepper motors delivers  $\pm 0.2$  mm movement accuracy across the full travel, while automatic torch height control maintains cut quality across varying material thicknesses. The stand-alone CNC controller with USB input allows file loading and adjustment at the machine. An integrated waterbed controls heat and distortion, supporting consistent results in light fabrication and repeat production work.



- ✓ **Rack and Pinion Drive System**  
Maintains smooth motion over long travel distances, improving accuracy when cutting larger parts and full sheets.
- ✓ **Automatic Torch Height Control (THC)**  
Adjusts torch position in real time, delivering consistent cut quality across uneven plate and different material thicknesses.
- ✓ **Stand-Alone CNC Controller with USB Input**  
Runs jobs directly from the machine without a laptop, reducing setup time and simplifying workflow.
- ✓ **Large Capacity Waterbed (125 L)**  
Controls heat input, reduces plate distortion, and manages sparks and fumes during cutting.
- ✓ **Heavy-Duty Steel Frame with Locking Castors**  
Supports gantry stability during operation while allowing the machine to be repositioned when required.

### Technical Specifications

<b>Power Requirements:</b>	230V AC $\pm 10\%$ , 50/60 Hz, 5 A
<b>Plate Capacity:</b>	1220 mm x 1220 mm x 6 mm
<b>Maximum Load Capacity:</b>	204 kg (including workpiece and full waterbed)
<b>Torch Travel:</b>	X-Axis: 1250 mm Y-Axis: 1100 mm Z-Axis: 54 mm
<b>Movement Accuracy:</b>	$\pm 0.2$ mm
<b>Cutting Accuracy:</b>	$\pm 0.5$ mm
<b>Waterbed Dimensions:</b>	1335 mm x 1340 mm x 70 mm
<b>Overall Dimensions (W x D x H):</b>	1955 mm x 1800 mm x 1270 mm 1400 mm height including castors
<b>Weight:</b>	150 kg

### Whats Included

WS1212 CNC Cutting Table (flat pack)
FLCam Software
CNC controller with THC
Stepper motor drive system
Torch mounting hardware
Integrated waterbed
Assembly hardware

### Recommended Accessories



1. SPT70M-6M - SPT70 Machine Plasma Torch 70A 6M Euro Connect
2. AdvanceCUT60 - 60A Inverter Plasma Cutter



WS1212  
User guide, specs, videos

LEARN MORE

For more accessories, visit the website.