



PRO-CUT 1200



**Featuring Biological
Plasma Fluid for the
PRO CUT 1200 Series
CNC Water Table**



*The cost effective space saving solution for
CNC precision quality cutting demands*

PRO-CUT 1200

Key Features and Technical Data

The PRO-CUT 1200 is a cost effective space saving solution for CNC precision quality cutting demands, suitable for light fabrication workshops and educational centres.

Designed with simplicity and usability in mind, the PRO-CUT 1200 is easy to install and operate, meaning the operator can achieve high quality cuts right away.



Package Includes:

PRO-CUT 1200 CNC table
Jasic Plasma source *
6m TM125 machine torch
5L Biologicut fluid
JIT-04 4 wheel Trolley

* Jasic Plasma source:

EP-45 – 230V AC – 6mm max pierce cut
EP-80 – 400V AC – 18mm max pierce cut
EP-100 – 400V AC – 20mm max pierce cut

Order Code: **ZXPROCUT1200EP-45** Order Code: **ZXPROCUT1200EP-80** Order Code: **ZXPROCUT1200EP-100**

Key Features

- 3 Axis CNC cutting table with a 1.2m x 1.2m cutting area
- 230V AC 50/60Hz single phase power supply
- Integrated waterbed to assist with fume and debris capture
- Automatic plasma torch height control ('Z' axis)
- 21" Windows 10 based touchscreen PC
- Pre-installed intuitive software allows the operator to quickly and easily create design files even with limited previous CNC cutting experience
- Includes CNC and CAM software that supports DXF-based files
- Proximity limit switches on X & Y axis
- Cutting speeds of up to 6000mm/min
- Fully compatible with Jasic EVO plasma power sources with a pierce cut capacity of up to 20mm
- Designed with castor feet for easy manoeuvrability around the workshop
- Supplied with the JIT-04 trolley to sit the plasma machine on
- Delivered part assembled, making self install & assembly easier
- Installation & training option is available (POA)
- CE & UKCA Certified and complete with a 2 Year Warranty

Technical Data

Input Voltage	230V AC 50/60HZ
Motors	Micro Step Motors 3amp
Axis	3 (X&Y&Z) Axis
Cutting Area	1.2m x 1.2m (cutting area 1.25m x 1.25m)
Cutting Speed (max)	6000mm per minute
Control System	21" touchscreen PC c/w windows 10
Table Weight	200 Kg
Max Weight on Table Bed	175 Kg
Plasma Torch	6m TM125
Dimensions (L x D x H) mm	1650 x 1700 x 1150 (1.2m x 1.2m table)



21" Touchscreen PC



THC System + LED Marker



Lifting Hooks



Casters



Table

PRO-CUT 1200

Jasic Machines



For optimum cutting performance, we have partnered the Pro-Cut Table with the Jasic Inverter Plasma Cutting Machines. We offer a choice of 4 Jasic Plasma cutters with a table cutting capacity of up to 20mm to ensure you get the right Plasma machine to suit your needs. With proven reliability, performance and backed up by a 5 year warranty we guarantee peace of mind cutting.



Evo Plasma Cut 45

- Latest IGBT Plasma Cutting Inverter
- Lightweight, portable robust design
- PFC energy saving inverter (Cut 45)
- Variable cutting control with smooth precise cutting
- 6m m/c torch with Euro connection* supplied with table (hand torch optional)



Pro Plasma Cut 60



Evo Plasma Cut 80

- Non HF ignition
- Clearvision technology & LED display (except Cut 60)
- Simple operation
- Inbuilt CNC connectivity
- 5 year warranty



Evo Plasma Cut 100

Package Includes: Power Source • Plasma Torch (optional) • Earth Return Lead • Operating Instructions

Power Source	Input Voltage	Current Range	Maximum Pierce Cut	Maximum Edge Start Cut	Duty Cycle	I _{eff}	Rated kVA input	Weight (kg) Size (LxWxH) mm
Plasma Cut EVO 45	95-265V	20 – 45A	6mm	15mm	45A @ 25%	11.5A	5.3 kVA	10 Kg 546 x 166 x 341
Plasma Cut PRO 60	3ph 400V	20 – 60A	14mm	20mm	60A @ 40%	9.5A	10.8 kVA	14 Kg 555 x 210 x 415
Plasma Cut EVO 80	3ph 400V	20 - 80A	18mm	25mm	80A @ 40%	10A	12.5 kVA	22 Kg 626 x 230 x 416
Plasma Cut EVO 100	3ph 400V	20 - 100A	20mm	30mm	100A @ 40%	13.5A	16.5 kVA	23 Kg 626 x 230 x 416

PRO-CUT 1200

Your Questions Answered

What is Plasma Cutting?

Plasma is considered the fourth state of matter. A plasma arc is an ionized gas that conducts electricity and once harnessed within a plasma cutting torch via a suitable power source is a process that will cut through ferrous and non-ferrous metals.

What materials can I cut with the Pro-Cut 1200 series tables?

Typical materials cut with a Plasma system include Mild steel, Stainless steel, and Aluminium although other conductive metals can be cut.

Does the Pro-cut 1200 Series CNC Table come with the Plasma Cutting Machine?

Yes, we offer a choice of four non-HF Jasic Plasma Cutting systems to choose from, so depending on your cutting requirements we can ensure you get the right plasma machine to suit your needs.

What is the difference between a 2 & 3 axis CNC cutting table?

With 2-axis cutting tables you can move in the X and Y-axis at the same time while cutting the length and width of the plate being cut although if you add the third axis, your system will also automatically adjust the height of the plasma cutting torch ensuring good quality cutting across the material being cut (ideal for thin plate).

What size options do the Pro-Cut 1200 series tables come in and what is the actual cutting area?

For the moment we offer the Pro-Cut Series Table in one size: -

- 1.2m x 1.2m (with a cutting area of 1210mm x 1205mm)

What do I need in place to use a Pro-Cut?

A small level area of about 4m square which is serviced by a suitable electrical supply and dry compressed air for your chosen Plasma system. The cutting table is powered by 1 x 13amp supply.

Do I have to supply my own PC/Laptop?

No, the Pro-Cut 1200 Series cutting table comes complete with a 21.5" touch screen computer & monitor (Windows 10 Pro, 8GB of installed RAM with a 128GB SSD) which has the CNC/CAM software pre-installed to get you up and cutting as soon as the cutting plasma table is installed.

Do I receive the software to make the cuts?

Yes, the supplied Laptop comes complete with CNC/CAM Software which allows you to import DXF detailed drawings quickly and then proceed to cut out your templates.

What is CAD/CAM?

CAD (Computer Aided Design) software applications are used in many industries to both create precision drawings & programme the manufacturing processes of the CNC Plasma cutting table. The CAM (Computer Aided Manufacturing) software uses the Images created in CAD to generate code paths that drive the cutting machine that transforms your designs into physical parts.

The Pro-Cut does not come with CAD software, we recommend to install FreeCAD.

PRO-CUT 1200

Your Questions Answered

Does the Cutting table come with any pre-loaded templates/drawing to start cutting with?

Yes, the new Pro-Cut 1200 cutting table comes with pre-installed CNC/CAM software which includes a library of template shapes to work with, so you are up and cutting as soon as the table is installed. The software also includes nesting capability when required to cut multiple pieces.

Is training included with the purchase of the Pro-Cut Table?

If the optional installation package was purchased, then on completion of the installation & commissioning process, training will be given to the chosen operator.

What is AVC or AV-THC?

AVC (Arc Voltage Control) or AV-THC (Arc Voltage - Torch Height Control) is an automatic motor driven function that works in conjunction with the Plasma Power Source and the CNC controller. The THC monitors the cutting arc voltage to ensure that the cutting torch tip remains at an optimum height from the plate throughout the cutting process. This ensures the best cut quality is maintained as well as longer consumable life. THC is particularly useful when cutting uneven, thin sheet metal which has warped along its length to which the THC will give you the best cut possible, every time.

What happens if the plasma torch hits an obstacle?

The Torch holder has been designed to incorporate an electronic collision system which in the unlikely event that the torch shield cup hits an obstacle the table motors will automatically stop, then raising the torch causing no damage.

Can I install the Pro-Cut 1200 Series table myself?

Yes, although if requested at point of purchase you can request the purchase price to include installation and we would come to your site and fully install and commission the cutting table, we would also provide operator training once installed.

What is the minimum sized space recommended to fit in a Pro-Cut 1200 Series cutting table in?

We recommend a minimum of 4m x 4m square area, this will ensure there is adequate space to assemble and maintain the table, consideration should also be given to access for loading / unloading the plate to and from the table.

What is the warranty period for the Table & Plasma Machine?

The Pro-Cut 100 Series cutting table comes with a full 2-year warranty although the Plasma Cutter comes with a peace of mind 5-year warranty.

Can I use my own Plasma system and plasma torch?

No, we have partnered the Pro-Cut 1200 Pro Series cutting table with the Jasic non-HF Plasma machine torch (and hand torch) range to ensure you get the best 'trouble free' cutting performance from the table & software, our offerings are as below:

- Jasic Plasma EVO Cut 45 is a 1ph 230V system.
- Jasic Plasma Cut 60 is a 3ph 415V system.
- Jasic Plasma EVO Cut 80 is a 3ph 415V system.
- Jasic Plasma EVO Cut 100 is a 3ph 415V system.

PRO-CUT 1200

Your Questions Answered

What gases do I require to operate the plasma machine?

The supplied Jasic Plasma systems only require dry compressed air. (Please ensure that your compressor supplies air that is water & oil free)

What power supplies do I require to have in place for the Pro-Cut Table?

The Pro-Cut 1200 Cutting Table requires 1 x 13amp outlets (for cutting table & PC). Depending on the chosen Plasma machine you will require either a 1ph 230V 16Amp socket or a 3ph 415V 16amp socket.

What size Compressor do I require to have in place for the Pro-Cut table?

Depending on the chosen Plasma machine you will require a Compressor that can deliver clean dry (water/oil free) air at a minimum of 200ltr/min @ 5 bar (65psi).

Do I need to be a highly skilled operator to operate a Pro-Cut 1200 series table?

The Pro-Cut series cutting tables are very easy to use and the training provided makes learning easier. Depending on your prior experience with computers, CNC & CAD, you will be up and cutting in no time at all.

Do you ship & install the Pro-Cut Table outside of the UK?

We can deliver (if requested), install and provide training on cutting tables sold within the UK and Ireland. We can ship the cutting table for self-installation to mainland Europe. Please contact your local supplier if you require installation.

What are the overall dimensions of the Pro-Cut 1200 series table?

The 1.2m x 1.2m table is – w170cm x d150cm x h110cm (h140cm including torch at max height of THC)

What is the maximum sized plate & weight I can fit on the cutting table bed?

The 1.2m x 1.2m table can accommodate a sheet plate size of 1.2cm x 1.2cm, max weight of 170Kg.

Can I use a hand cutting torch with the Pro-Cut series table?

Yes, with the Jasic Plasma systems, a machine plasma torch is supplied as standard although an optional 6m Plasma hand torch can be purchased and connected to the Jasic plasma power source to give you the ability to free hand cut at your leisure.

- Jasic Plasma EVO Cut 45 can also be supplied with the PT60 hand torch for a clean cut of 15mm.
- Jasic Plasma Cut 60 and can also be supplied with the PT100 hand torch for a clean cut of 20mm.
- Jasic Plasma EVO Cut 80 and can also be supplied with the UPH125 hand torch for a clean cut of 25mm.
- Jasic Plasma EVO Cut 100 and can also be supplied with the UPH125 hand torch for a clean cut of 30mm.

I would like a demo to see one for myself, is this possible?

Yes, by appointment only you are welcome to visit our facility in Manchester where we have a Pro-Cut 1200 Series table fully set up and ready to be demonstrated to you within our welding academy.

PRO-CUT 1200

Your Questions Answered

What thickness of metal can I cut with the Pro-Cut 1200 series table?

The cutting process & software determines the thickness of material that can be cut, we only recommend and install the Jasic Plasma Power source C/W TM125 plasma machine torch to the Pro-Cut Series cutting table and the options are as below:

- Jasic Plasma EVO Cut 45PFC is a 1ph 230V system that will provide a pierce cut of up to 6mm.
- Jasic Plasma Pro Cut 60 is a 3ph 415V system that will provide a pierce cut of up to 14mm.
- Jasic Plasma EVO Cut 80 is a 3ph 415V system that will provide a pierce cut of up to 18mm.
- Jasic Plasma EVO Cut 100 is a 3ph 415V system that will provide a pierce cut of up to 20mm.

What speeds can I cut with the Pro-Cut 1200 series table?

Cutting speeds are determined by several factors, for example: material thickness along with plasma power source cutting amperage. The Pro-Cut offers cutting speeds of up to 6000mm/min. The Pro-Cut Table Software will determine these factors and sets the speed that best fits the material thickness and cutting amperage for you.

What is the advantages of using Plasma over Oxy-Acetylene?

The Plasma process greatest advantage is its ability to cut non-ferrous metals such as stainless steel & aluminium as well as Ferrous metals. Speed and precision cutting with minimal heat effected zone is also a major benefit of plasma, which cuts with minimal slag and will provide smooth cuts with a narrower kerf than that produced with the oxy-fuel process of materials less than 50mm.

The Plasma cutting process does not require the metal to be preheated prior to cutting, saving time and costs also working with compressed air makes for lower running costs and is a safer gas to use.

Does the Pro-Cut table require maintenance? How well is it supported?

The Pro-Cut 1200 Series Cutting table is a simple yet well designed in which maintenance and repair requirements are much lower than you might expect. In the unfortunate event that you do require our assistance; we provide an excellent aftersales service for the cutting table in case you need help and support.

What is the benefit of the water bed on the Pro-Cut 1200 Series Cutting Table?

The Pro-Cut CNC Plasma water table is a cost-effective way of minimising harmful sparks and catches up to 85% of fume and dust that is produced because of cutting metals which reduces the need for a suction hood.

What is Biologicut?

With the Pro-Cut water cutting tables, we supply a plasma fluid called Biologicut that is part mixed with water at a 20:1 ratio (20-parts water to 1-part Biologicut).

Biologicut is non-toxic which helps in preventing corrosion and bacteria, Biologicut is also environmentally friendly emitting no harmful vapours.

PRO-CUT 1200



WILKINSON STAR LIMITED

Shield Drive
Wardley Industrial Estate
Worsley, Manchester
M28 2WD

wilkinsonstar247.com

0161 793 8127

