

# Workshop level \_ CNC PLASMA CUTTER- 1500mm x 3000mm table

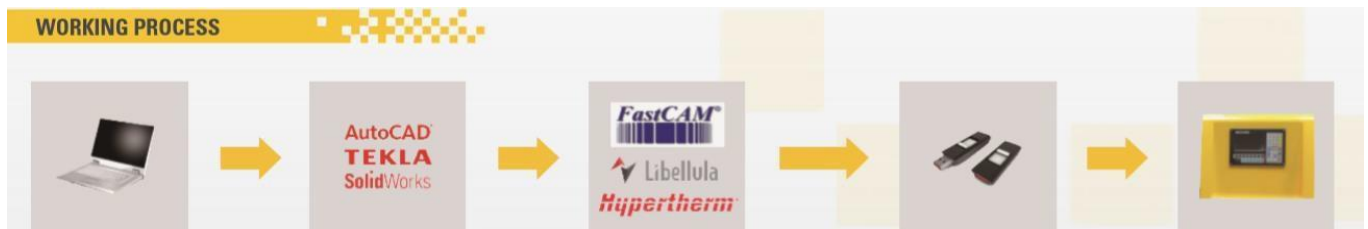
## INTECUT HT 3015



- Offers both plasma and oxy cutting
- Steel structure table body to ensure durability and precision.
- Dual driving system on Y, linear bearing, rack and pinion system
- Electric limits on Y, machine stops at ends. Safe for machine and operator
- Separate driving system on X axis with linear bearing, rack and pinion system.
- Electric limits on Y, machine stops at ends. Safe for machine and operator
- Automatic torch height controller on Z axis
- Strong body to hold waterbed table
- Cable chain on X and on Y to protect cables
- End loading can be by part or full sheet. assisted by roller balls
- 17" display, with functional user interface
- 44 Shapes in controller library
- WIFI for file transfer and remote support
- Easily relocated

# CNC TABLE SPECIFICATION

INTECUT-HT 3015 _ Technical Specification	
Power Voltage:	230V, 50HZ
Input power	180W
Effective Cutting Width (mm):	1500
Effective Cutting Length (mm):	3000
Installation space	2730*3830mm
Max speed (mm/min)	12000
CNC controller	HG611 with 17" touch screen
Dust Extraction	Water Table
Pinion and track	Helical type
Rail on X and Y	Linear rail
Gantry Rail protection	Bellows
Plasma power System	Hypertherm Powermax series
Automatic THC for plasma and flame	Hugong THC
Max Cutting speed (mm/min)	Based on plasma power source
Plasma cutting thickness(mm)	



INTECUT-HT _ Design & Operating Specification	
<b>Machine structure &amp; operation</b>	INTECUT HT has strong steel structure, which endures long working life Longitudinal drive is via a dual driving system with servo motors Rail and beam are Hugong unique design.
<b>Driving system</b>	Longitudinal drive by servo motors
<b>CNC Controller</b>	HG611 controller provides professional functions, 17" screen, windows 10. In built shape library Motion software built in HG611 supports both flame and plasma cutting. Many standby functions to improve cutting quality and speed, such as scale, rotation, mirror, nest, etc.
<b>Standard PC Nesting software - FastCAM Pro [included]</b>	FastCAM Australian software is very experienced in flame and plasma cutting process. FastCAM offers Chinese, English, German, French, Spanish, Russian etc. languages FastCAM provides FastCAM drawing, FastNEST auto Nesting, FastPATH auto pathing and FastPLOT verification. FastCAM reads and edits DXF/DWG drawings. FastNEST supports AUTO nesting. FastPATH supports auto pathing. FastPLOT transfer NC codes between drawings automatically. NC codes are easily to be imported into HG611. Provides cutting functions: Kerf compensation, plasma bridge, and common line cutting, corners, CAD layers, word label, etc.
<b>USB port and WIFI</b>	A USB port is mounted on the INTECUT face panel. WIFI card installed
<b>Plasma signal connector</b>	Plasma connector is easy to handle.
<b>Torch holder</b>	Torch holder is designed to holding both a flame or plasma torch.

# HG 611TOUCH SCREEN WINDOWS CONTROLLER



## WINDOWS CONTROLLER

- 17inch touch screen
- Wireless keyboard & mouse
- Windows 10 operating system
- 1.5Ghz.CPU RAM
- 4G ROM 128G SSD
- 4 x USB Port
- Industry Type Controller



## REMOTE CONTROLLER

Provides flexibility for operator



## PRESET SHAPES,

for operator management

## KEY SELECTION SETTINGS,

- Material
- Power
- Thickness



Provides file transfer with **Remote Support** via Team Viewer

High visibility easy selection screens



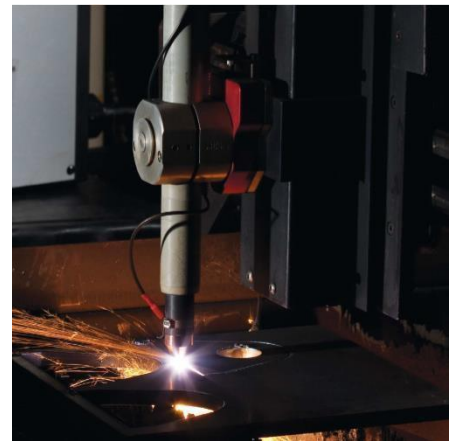


## Powermax PLASMA

**Powermax air plasma metal cutting systems deliver high performance for mechanized applications.**

### Cut with confidence

- Spend less time on secondary operations with good cut quality and little dross.
- Increase productivity with fast cut speeds. .
- Advanced consumable technology extends life and reduces operating cost.
- Consumable end of life detection avoids damage to the torch and to the work piece.
- Smart design and intense testing ensure industry-leading reliability.
- Advanced electronics and Powercool™ technology enable high duty cycles.
- CNC interfaces and available voltage dividers make Powermax systems easy to set up and operate.
- Optional FineCut® consumables produce less dross, narrower kerf and virtually no heat-affected zone on thinner plate.
- Easily switch to a handheld torch with FastConnect™ quick disconnect torches.



### Importance of height control

A key element in any thermal cutting application is the distance from the torch to the metal. This stand-off distance is critical to cut quality. Proper pierce height, along with the correct pierce delay timing, ensures that the consumables are not damaged during the pierce. A proper cut height improves cut angularity and cut speed while reducing dross. Torch height controls (THC) can be:

- Manual – height set by the operator
- Automatic – THC senses the plate and maintains a set torch-to-work distance
- Programmable – CNC sets different stand-offs for piercing and cutting



PMX Plasma Model	Output Current	pierce with automatic THC	pierce without automatic THC
Powermax [PMX] 45 XP	10-45A	12mm	12mm
Powermax [PMX] 65	20-65A	16mm	12mm
Powermax [PMX] 85	25-85A	20mm	18mm
Powermax [PMX] 105	30-105A	22mm	20mm
Powermax [PMX] 125	30-125A	25mm	23mm



# AIR DRYER AND FILTER SYSTEM

Included with the INTECUT HT to ensure quality



## FEATURES:

- Reliable & high-quality cutting.
- Increased service life
- Reduced corrosion and wear.
- Improved energy efficiency.

## Specification

ITEM	MODEL
Air dryer	TYAF-1.0F
Filter ( x 3 off)	T-001, A-001, C001
SPECIFICATION	
Max Pressure	10 Bar
Max flow rate	96,000 L/min