

TECHNICAL SPECIFICATION

Basic Configuration	Top group, Base, Laptop and Software	
Dimensions 1x1	LxDxH	cm. 140x140xH85
Dimensions 1,25x1,25	LxDxH	cm. 170x170xH85
Voltage	transformer: input 220/output 30V	
Axis 1x1	2 axis & 3 motors:	2 motors for Axis X and 1 motor for Axis Y
Axis 1x1 THC	3 axis & 4 motors:	2 motors for Axis X , 1 motor for Axis Y and 1 motor for Axis Z
Axis 1,25x1,25	2 axis & 3 motors:	2 motors for Axis X and 1 motor for Axis Y
Axis 1,25x1,25 THC	3 axis & 4 motors:	2 motors for Axis X , 1 motor for Axis Y and 1 motor for Axis Z
Cutting Area	mt 1x1	
Cutting Area	mt 1,25x1,25	
Cutting speed	Max 6000 mm per minute	
Control system	Laptop with USB interface	
Maximum load	Kg. 160	
Torch	Positioning tube with lift control for torch with rack	

ACCESSORIES

Water tank	including drain cock
Water table	Captures 98% of smoke and dust - NO Down Draft Filter - keeps part cooled
Standing Desk	for Laptop and electronic control unit support
Fume extraction	containment lower panels
Spacer points	Nr. 8 to support plates
Sheaths	Nr. 3 Cables fireproof sheaths
Extension sheet support	to use a large sheet metal up to 2500 mm in length

PACKAGING



To control the shipping costs the cutting table is provided in kit form. We assure a precision and accurate quality control so that the assembly is extremely simple.

Basic Configuration 1x1	Cm. 146x58xH58	gross weight: Kg. 174
Basic Configuration 1,25x1,25	Cm. 175x58xH58	gross weight: Kg. 194
Water tank 1x1	Cm. 123x120xH17	gross weight: Kg. 36
Water tank 1,25x1,25	Cm. 147x132xH13	gross weight: Kg. 41
Fume extraction 1x1	Cm. 138x54xH12	gross weight: Kg. 24
Fume extraction 1,25x1,25	Cm. 171x58xH12	gross weight: Kg. 28
Standing desk	Cm. 49x38xH107	gross weight: Kg. 15
Extension sheet support	Cm. 162x33xH20	gross weight: Kg. 85

UNI-CUT 1x1

UNI-CUT 1,25x1,25 (4FT X 4FT)

CNC

Plasma cutting table



BOTH VERSIONS OF THE CUTTING TABLE INCLUDE:

- Cutting Table **BASIC** or **WITH Torch Height Control**
- Electronic Control Unit
- Cables
- Laptop 15.6" 8GB Ram
- Pre-installed software

ACCESSORIES:



Extension sheet support

- Captures 98% of smoke and dust
- NO DownDraft Filter
- Reduces heat distortion
- Keeps part cooled
- Water catches and quenches most sparks



Water table only for Uni-Cut 1,25x1,25



Electronic Control Unit & Cables



No Collision Torch System



Laptop 15.6" 8GB Ram



Fume extraction



Standing Desk



Water tank

OUR CNC PLASMA CUTTING TABLE "UNI-CUT"

- Designed to meet the needs of small companies that cannot justify the expense of a large table or simply do not have the space. These tables are the perfect solution to provide in house production of small batch parts or for prototyping. You are able to quickly draw and detail the part with the easy to use software and then cut the item in just a matter of minutes. Of course you can also import a DXF file.
- It is characterized by an intuitive software in 6 languages, which allows to create, **EASILY AND IN A FEW MINUTES**, even very complex designs and then proceed **DIRECTLY TO THE CUTTING PHASE** without requiring any experience with softwares commonly used in this field.
- It is equipped with a **1mt x 1mt** or **1,25x1,25** cutting area and it has a cutting speed of 6000 mm/min.
- It was entirely designed and built by us in Italy and it is made of a sturdy one-piece frame and parts and accessories of the highest quality. **IT IS CE CERTIFIED.**
- Every table, each motor and each electronic control unit is pre-assembled and tested by our technicians before the packing.
- The system is so well designed that the maintenance requirements are void.

CAN BE DESCRIBED AS "A REVOLUTION" :

Our new **AV TORCH HEIGHT CONTROL** adjusts Z axis height thousands of times/second.

Maintain a precise distance between the plasma torch and your work. Any pattern, any speed, producing smooth edges, sharp details and high precision. Warped stock, bent stock and corrugated sheet stock are handled with ease.

- **One control system** for all axes motor control
- **Every axis** is known at the microsecond level
- **Real-time THC control** during feedrate changes to prevent unwanted material diving
- **AV THC** samples the set point voltage at the perfect height for clean, accurate cuts
- **Optimal nozzle control** and tracking results in better nozzle life
- Cut wizard auto-sets THC values based on material parameters

The software is configured according to the parameters in the cut charts for the Hypertherm® PowerMax® 65/85/105/125 generators.