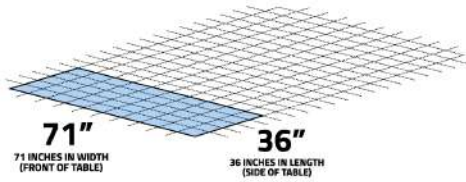


This Workshop Requirement PDF will help assist you setup and prepare your shop for your new STV CNC Plasma table. We strive to provide a well-rounded experience before & after your purchase.

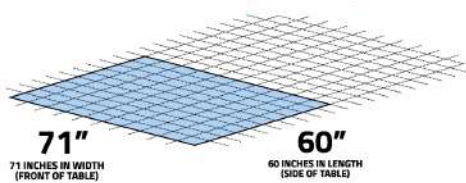
1 Approximate Table Area Dimensions

MODULAR PLASMA TABLES

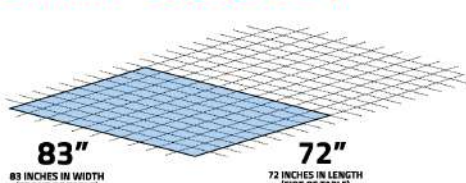
SPARX™ 2400 (2' x 4')



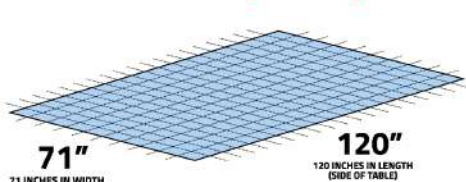
SPARX™ 4400 (4' x 4')



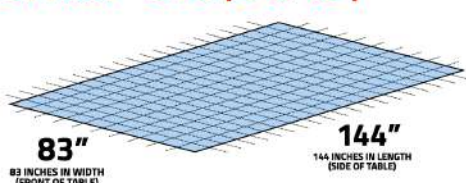
SPARX™ 505 (5' x 5')



SPARX™ 4800 (4' x 8')

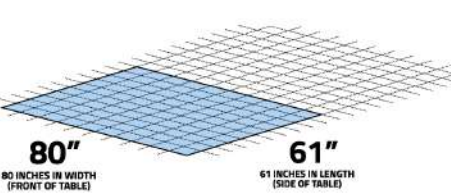


SPARX™ 510 (5' x 10')

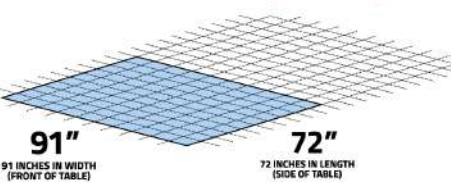


PRO WELDED PLASMA TABLES

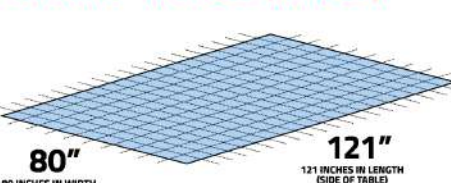
SPARX™ PRO 4 (4' x 4')



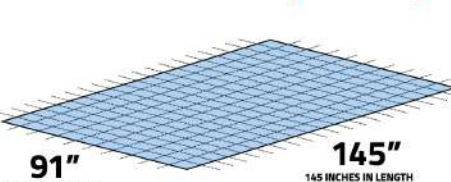
SPARX™ PRO 5 (5' x 5')



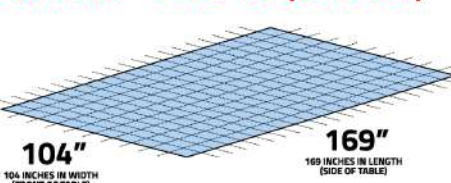
SPARX™ PRO 8 (4' x 8')



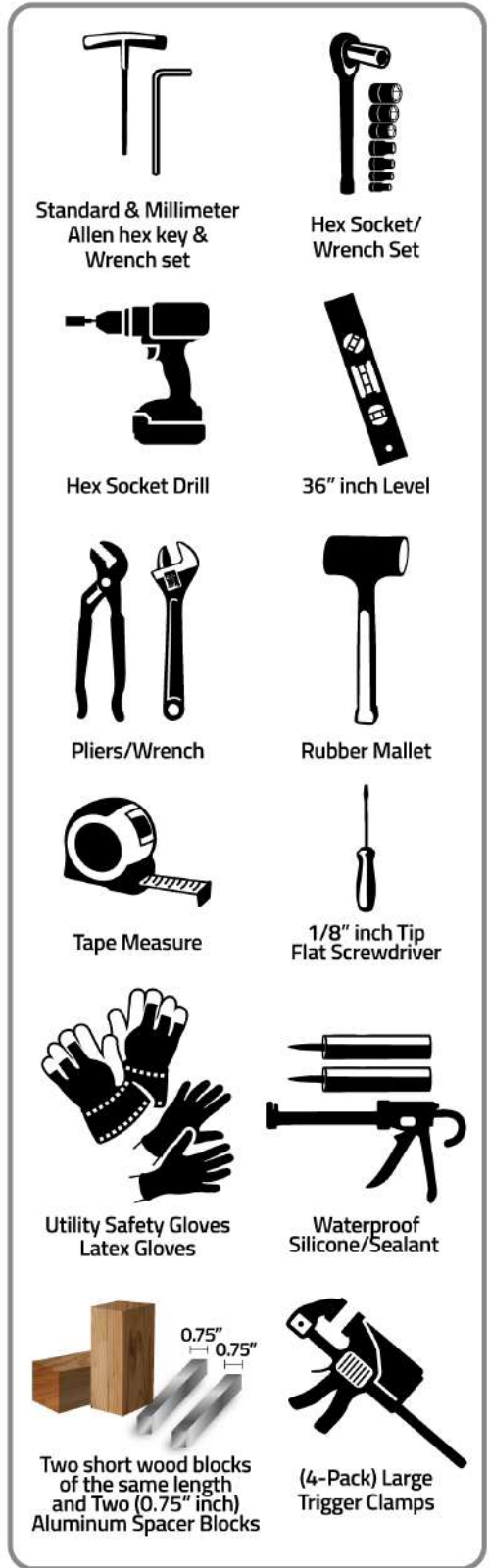
SPARX™ PRO 10 (5' x 10')



SPARX™ PRO 12 (6' x 12')



2 Assembly Tools



3 Recommendations

Plasma Power Setup	VOLTS: 200-480, AMPS: 50 (Contact Plasma Manufacturer for Electrical Setup.)
Computer/Control Box Power Setup	VOLTS: 110, AMPS: 20 (Contact a Professional & Certified Electrician for Electrical Setup.)
Plasma Cutting System & Torch	Hypertherm® Powermax 45®XP or higher with a Mechanized Torch.
Air Compressor	Minimum: Capable of 6 SCFM at 90 PSI.
Computer	3 GHz Computer or Laptop, Windows XP or newer with 16 GB RAM, 250 MB storage, 2 USB ports.
Metal Supply	Source your nearest Metal Sheet Supplier in your area.
Unboxing	Please refer to your "Crate Checklist PDF" available in the Assembly Manual folder in your Owner's Document link, the google drive link that was sent to you via email.
Ground	Install an 8' foot Earth Grounding Rod to prevent interference. We recommend installing the earth grounding rod to avoid material waste & any possible mechanical ghost movements that interference may cause.
Cables	Zipties help keep cables organized & prevent interference. Important: Make sure you UNCOIL your cables. This includes the excess of your Torch cable, the CPC cable and Grounding Work Lead Clamp.
White Cable	The " White cable " is your Ohmic Sensor for DRY CUT operations. To use it, you will be required to purchase Hypertherm® Consumable 220993 at www.stvcnc.com/hypertherm-consumable-hub
Sealant	We recommend you sourcing 100% WATERPROOF SILICONE of your choice to seal the gap between each water pan. Other sealing options are welding your pans or installing gaskets.
Table Layout	We recommend a LEFT SIDE Installation. Cable Track, Table & Computer on Left Side. Consider the side you will be loading steel sheets onto the plasma table. Your Plasma Cutter requires a minimum of 6' feet in distance from the computer and control box.
Green Light Checklist	We have prepared 8 key points to check at your site of production to ensure a successful cut. Visit the Green Light Checklist at www.stvcnc.com/greenlightchecklist
Exposure	This is an INDOOR Plasma Table. Not recommended for outdoors or exposure to an outdoor environment. Maintain table & wipe linear guides down with WD-40 and scouring pads regularly.
Linear Guides	During Install, place two 0.75" inch ALUMINUM SPACER BLOCKS between the Frame Leg & the Linear Guide to clamp, align & set the Linear Guide at the correct separation from the table.
Homing Kit	If you've purchased an STV®CNC Homing Kit , your Owner's Document google drive link has a Homing Kit Manual and sensor location image in the "Assembly Manual" folder.
Interference	The crossing of cables may cause interference. Make sure that your TORCH CABLE does not touch the Z-Motor at the top of your Z-Axis Head. Make sure your USB CABLE does not cross signals as well.
Your Spouse's Approval	Sorry, we don't make the rules, they do.

Below is a brief marking of Hypertherm® Plasma Cutting System Single Phase and 3-Phase power setups.



Powermax45®XP
Single Phase 200-240V | 50-60Hz
Three Phase 480V | 50-60Hz



Powermax65 SYNC™
Single Phase 200-480V | 50/60Hz
Three Phase 200-600V | 50/60Hz
Three Phase 380V/400V | 50/60Hz



Powermax85 SYNC™
Single Phase 200-480V | 50/60Hz
Three Phase 200-600V | 50/60Hz
Three Phase 380V/400V | 50/60Hz



Powermax105 SYNC™
Three Phase 200-600V | 50/60Hz
Three Phase 230-400V | 50/60Hz
Three Phase 380V/400V | 50/60Hz



Powermax125®
Three Phase 480/600V | 50/60Hz

Please see Manufacturer's Manual for more detailed information.