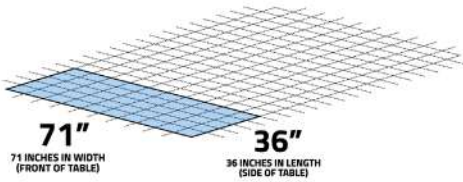


This Workshop Requirement PDF will help assist you setup and prepare your shop for your new STV CNC Plasma table. We strive to provide a well-rounded experience before & after your purchase.

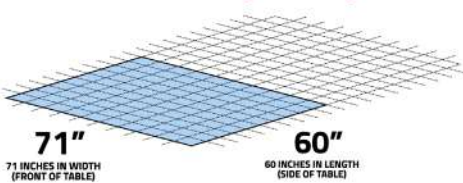
1 Approximate Table Area Dimensions

MODULAR PLASMA TABLES

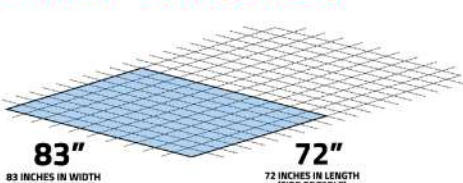
SPARX™ 2400 (2' x 4')



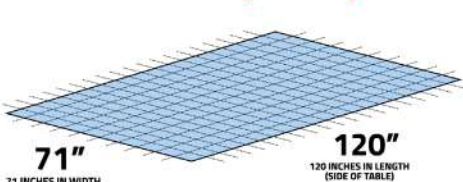
SPARX™ 4400 (4' x 4')



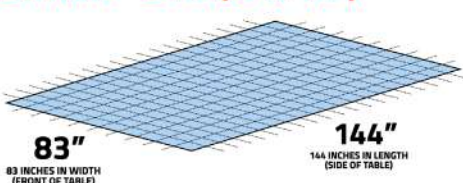
SPARX™ 505 (5' x 5')



SPARX™ 4800 (4' x 8')

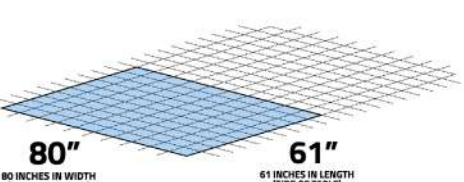


SPARX™ 510 (5' x 10')

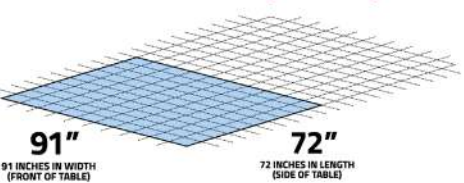


PRO WELDED PLASMA TABLES

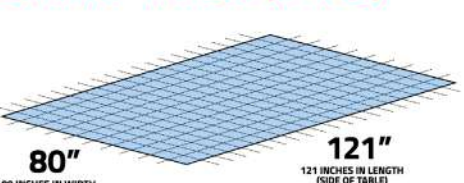
SPARX™ PRO 4 (4' x 4')



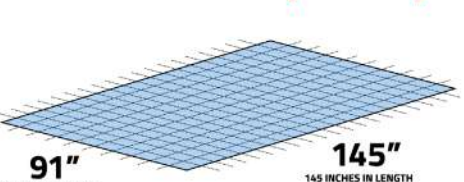
SPARX™ PRO 5 (5' x 5')



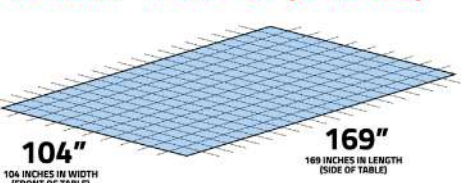
SPARX™ PRO 8 (4' x 8')



SPARX™ PRO 10 (5' x 10')



SPARX™ PRO 12 (6' x 12')



2 Assembly Tools

- Standard & Millimeter Allen hex key & Wrench set
- Hex Socket/Wrench Set
- Hex Socket Drill
- 36" inch Level
- Pliers/Wrench
- Rubber Mallet
- Tape Measure
- 1/8" inch Tip Flat Screwdriver
- Utility Safety Gloves Latex Gloves
- Waterproof Silicone/Sealant
- Two short wood blocks of the same length.
- (4-Pack) Large Trigger Clamps

3 On-site Power Setup and Equipment

Before starting, STV®CNC recommends you source or consider the following:

Plasma Power Setup

VOLTS: 200-480, AMPS: 50

Contact Plasma Manufacturer for Electrical Setup.

Computer/Control Box Power Setup

VOLTS: 110, AMPS: 20

Air Compressor

Minimum: Capable of 6 SCFM at 90 Psi.

Air Dryer Filtration System

Helps clear the lines from water & humidity between the Plasma Table & the Air Compressor.

We offer Plasma Cutting Systems & Torch

Hypertherm® Powermax 45®XP or higher recommended with Mechanized Torch

Recommendations

Install Side Cable Track/Tray on left side of table.
Add Leveling Feet to your order.
Install an 8' foot Earth Grounding Rod

We offer Laptops for Table Operation

Computer/Laptop with Windows XP or newer
Minimum: 4 GB RAM, 250 MB storage, 1 USB port.

Planning on working with other Software?

We recommend source a gaming laptop or desktop computer to process heavier cam software.

Metal Supply

Source your nearest Metal Sheet Supplier in your area.

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®
Single Phase 200-480V | 50/60Hz
Three Phase 200-600V | 50/60Hz



Powermax85®
Single Phase 200-480V | 50/60Hz
Three Phase 200-600V | 50/60Hz



Powermax105®
Three Phase 200-600V | 50/60Hz



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

Please see Manufacturer's Manual for more detailed information.

4 Anti-Rust Solution Dilution Ratio

Below is a balanced mixture of Anti-Rust Solution and Water along with recommended safety & maintenance instructions.



2' x 4' Plasma Table
1/2 GALLON of Plasma Quench & Fill the rest with water up to the slats



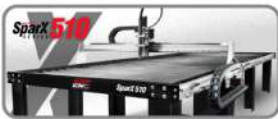
4' x 4' Plasma Table
1 GALLON of Plasma Quench & Fill the rest with water up to the slats



5' x 5' Plasma Table
1-1/2 GALLONS of Plasma Quench & Fill the rest with water up to the slats



4' x 8' Plasma Table
2 GALLONS of Plasma Quench & Fill the rest with water up to the slats



5' x 10' Plasma Table
2-1/2 GALLONS of Plasma Quench & Fill the rest with water up to the slats



6' x 12' Plasma Table
3 GALLONS of Plasma Quench & Fill the rest with water up to the slats



OPERATING INSTRUCTIONS

The 5 Gallon Anti-Rust Solution Alu Blue Plasma Quench will yield optimum results if operated within the following range:

Concentration:
1 to 3% by volume at Room Temperature.

MAINTENANCE:
Fill the tanks 2/3's with cold water and agitate, as you add the calculated amount of PLASMA QUENCH ALU BLUE slowly into the tank. Then fill the tank with water to the required operating level.

RECOMMENDED:
It is recommended to replenish your table every 1-3 months time depending on your production use of the table.

Plasma Quench STV Blue

To Order: www.stvnc.com • info@stvnc.com • (888) 701-7101

DISTRIBUTED BY:

OPERATING INSTRUCTIONS:
PLASMA QUENCH ALU BLUE will yield optimum results if operated within the following range:

Concentration: 1 to 3% by volume
Temperature: Room

MAINTENANCE:
Fill the tanks 2/3's with cold water and agitate, as you add the calculated amount of PLASMA QUENCH ALU BLUE slowly into the tank. Then fill the tank with water to the required operating level.

GHS CLASSIFICATIONS
Target Organ Toxicity (Repeated exposure), Category 2

SIGNAL WORD: WARNING

HAZARD STATEMENTS
May cause damage to organs through prolonged or repeated exposure

PRECAUTIONARY STATEMENTS
Do not breathe dust/fume/gas/aerosol/vapors/spray. Do not handle until all safety precautions have been read and understood. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use personal protective equipment as required. Wash exposed area thoroughly after handling. Get medical advice/attention if you feel unwell. Store in a well-ventilated place. Keep cool. Dispose of contents/container in accordance with local/regional/national/international regulations.

MANUFACTURED BY:
 KNIGHT ENTERPRISES, INC.
128 W. LAKE STREET • NORTH LAKE, IL 60164
EMERGENCY PHONE: (800) 535-8053

NET WEIGHT: 50 POUNDS
BATCH NUMBER: NL 091319-040

EYES: Rinse eyes gently with water for at least 15 minutes while holding eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. Seek immediate medical attention following exposure or if feeling unwell.

SKIN: Remove contaminated clothing. Wash exposed area with water. If symptoms persist, seek medical attention. Wash contaminated clothing before use.

INGESTION: If individual is drowsy or unconscious, do not give anything by mouth. Do not induce vomiting, if possible, do not leave individual unattended. Seek immediate medical attention.

INHALATION: Remove victim to fresh air and keep at rest in a position comfortable for breathing if it is suspected that gas or vapor is still present. The worker should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen if trained. If necessary, place in recovery position and give mouth-to-mouth resuscitation. Get medical attention if necessary. Call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

NOTES TO PHYSICIAN: No specific treatment. Treat symptomatically. Call medical doctor or poison control center immediately if large quantities have been ingested.

SPELL, HANDLING AND STORAGE
LARGE SPILL: Evacuate unprotected personnel from area. Wear protective equipment. Absorb liquid with sand or other non-combustible absorbent material. Stop spill at source. Prevent from spreading. Move containers from spill area. Maintain adequate ventilation. Never exceed any occupational exposure limit. Contain spill, pump into drums for proper disposal. Place in non-leaking containers for immediate disposal. Flush remaining area with water and neutralize with Soda Ash. Line or Limestone and dispose of properly. Adequate ventilation is required if Soda Ash is used because of the consequent release of carbon dioxide gas. Avoid direct discharge to sewers and surface waters. Notify authorities if a spill occurs. Take collected spill to proper disposal plant. Wash clothing and equipment after handling. **HANDLING:** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes, on skin, or on clothing. Do not taste or swallow. Avoid breathing dust/fume/gas/aerosol/vapors/spray. Avoid prolonged exposure. When using, do not eat or smoke. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Provide adequate ventilation. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Wash contaminated clothing before reuse. Observe good industrial hygiene practices.

STORAGE: Comply with applicable regulations. Store in cool, well-ventilated area away from heat and out of direct sunlight. Do not store open, unsealed, mislabeled, or empty containers. Keep containers tightly closed. Store away from incompatible materials. Do not eat, drink or smoke in work area. Protect against physical damage.

FIRE RESPONSE
EXTINGUISHING MEDIA: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

FIRE FIGHTING PROCEDURES: Evacuate area of unprotected personnel. Use standard firefighting procedures and consider the hazards of other involved materials. Use water spray to keep fire-fighting containers cool. Move containers from fire area if this can be done without risk. Do not move the load if exposed to heat. Exercise caution when fighting any thermal fire.

FIRE FIGHTING EQUIPMENT: As in any fire, wear self-contained breathing apparatus (SCBA) pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Consult SDS for Full Statements of Health, Safety, and Environmental Information.	HMIS 05 Health 1 Flammability 0 Reactivity 0	HEALTH 1	REACTIVITY 0	FLAMMABILITY 0	PROTECTIVE EQUIPMENT X
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Find the Safety Data Sheet at: stvnc.com/plasmaquench