



A sword of strength, versatility and quality created the inspiration for our entry level table. The trident is a three-prong solution to spark creativity and learning as well as offering a quality product to withstand the test of time while being a cost-effective option. This single plasma machine brings worry free operation, an easy to use LinuxCNC® based interface and high-quality components. The Trident is our entry-level production machine. This versatile machine is ideal for increasing through-put and decreasing production cost. It is the unit of choice for learning institutions and manufacturing companies looking for an economical entry point with a fast ROI. Running on integrated linear bearings, it can move at speeds of 600 inches per minute. 400 oz-in stepper motors and 4:1 planetary gearboxes interface to 16 DP helical rack in X and Y axes and a lead screw-based lifter in Z for precise and reliable motion. Hypertherm® Powermax® plasma torches and power supplies eliminate the need for specialty gases, while piercing up to 1-inch material.

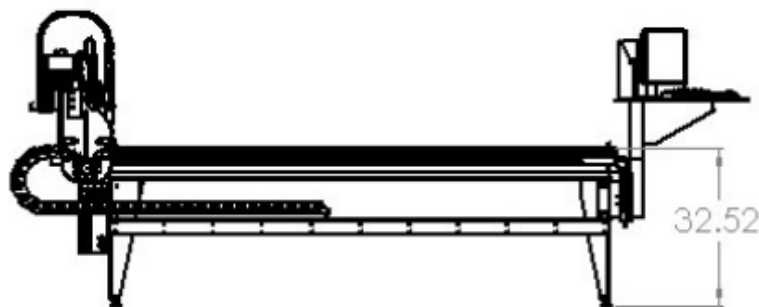
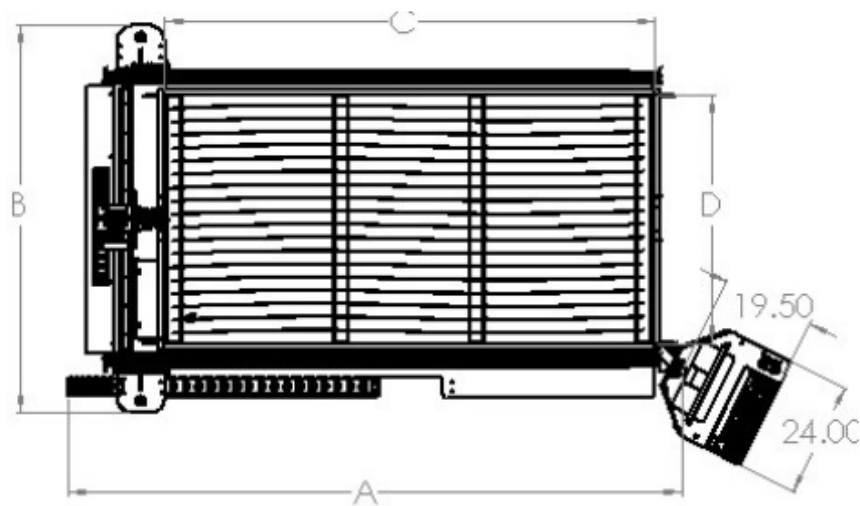
- All Welded Frame
- Integrated Water Table
- Helical Rack and Pinions
- Torch Collision Break Away
- Crosshair Laser Pointer
- Class Leading Reliability
- Easy Maintenance and Use



TRIDENT

**Where creativity
gets it's spark!**

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|-----------------|---|----------------|--|
| Unitized | <ul style="list-style-type: none"> • Provides "unload, plugin and cut" Installation • Allows the machine to be easily moved on site | Torches | <ul style="list-style-type: none"> • Hypertherm Powermax 45XP through Powermax 125 • Pierce up to 1" • Severance up to 2-1/2" |
| CNC | <ul style="list-style-type: none"> • Customized user interface, initial height sense, and arc voltage height • Components on open-source linuxCNC realtime motion controller • Fanless embedded industrial PC for reliable operation | Drives | <ul style="list-style-type: none"> • Ethernet-linked drive and I/O Box • Integrated plasma control and arc voltage height control • 400 pz-in motors with planetary gearboxes on X, Y, and YY • 3/4" wide, helical rack for smooth, extended-life motion |
| Table | <ul style="list-style-type: none"> • 4X4, 4X8 or 5X10 | Lifter | <ul style="list-style-type: none"> • 400 oz-n motor with leadscrew motion • Integrated contact sense and magnetic torch breakaway sense |



Dimensions		4'x4'	4'x8'	5'x10'
Length	A	103.5	127.5	151.5
Width	B	68.6	80.6	92.6
Table Inner Length	C	53.75	101.75	125.75
Table Inner Width	D	39.5	51.5	63.5
Cut Capacity (W x L)		51 x 52	50 x 100	75 x 148
Machine Dimensions (inches unless otherwise noted)				

