

Torchmate® 2x2™ CNC Prototyping System / Tomahawk® 625 One-Pak®

Processes

Plasma Cutting and Gouging

Product Number

K3128-1

See back for complete specs

Input Power

2x2™ CNC Table: 110/1/60 (15 amp)

Tomahawk® 625: 208/230/1/50/60

Rated Output Current/Duty Cycle

Tomahawk® 625:

24A/89.6V/100%

29A/91.8V/60%

40A/96.0V/35%

Output Range

Tomahawk® 625: 10-40A

Air Pressure Required

80-110psi (6-7.5 Bar)

Air Flow Rate Required

70psi @ 125-200 SCFH

(5 bar @ 80 Liters/min)

Weight/Dimensions (H x W x D)

Table:

100 lbs (45 kg)

Tomahawk®:

34lbs. (15.4 kg)

38 5/8 x 38 7/8 x 9 15.2 x 8.5 x 18.9
(981 x 987 x 229) (385 x 215 x 480)

The Torchmate® 2x2™ Prototyping System changes the way you make parts in your home, school or small fabrication shop. Delivering enhanced control and repeatability over manual operations, this compact multi-use platform is designed to bring CNC plasma cutting, routing, drilling, milling and engraving to those who could not previously afford to enter the world of CNC technology. We included what's required to operate the system for CNC plasma cutting – expand with secondary tooling as your needs and expertise grow.

FEATURES

- ▶ **Small footprint and minimal weight** – Portable tabletop platform sets up in any shop.
- ▶ **Standard CAD Lite and Torchmate® Driver software** – Create your own parts or Import .dxf files from almost any CAD program.
- ▶ **Compatible with many CAD software suites** – Or, choose from a selection at torchmate.com
- ▶ **Standard Machine Torch Holder**
- ▶ **Rugged Construction**
 - Five piece steel assembly
 - 26 sealed ball bearings for smooth linear motion
 - Anti-backlash screw drive system
 - 2.5 amp micro-stepper motors
 - Two x-axis and one y-axis drive and motor systems

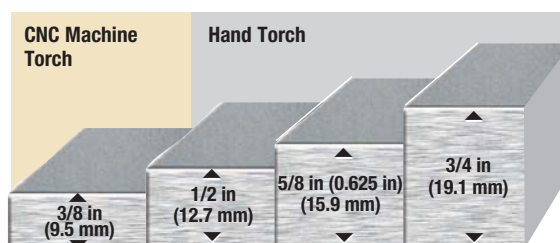
WHAT'S INCLUDED

Torchmate® 2x2™ CNC Prototyping System Tomahawk® 625 One-Pak® (K3128-1)

Includes:

- ▶ Two axis machine (2 x-axis drives and motors, 1 y-axis drive and motor)
- ▶ Torchmate® 2x2™ Driver Software
- ▶ Torchmate® CAD Lite Software
- ▶ Machine Torch Holder
- ▶ Tomahawk® 625 (K2807-2) Includes
 - Lincoln Electric LC40M torch 20 ft. (6 m) cable (K2847-2)
 - Air regulator and pressure gauge
 - Internal water separator
 - Work clamp and cable
 - Spare consumables
 - Shoulder strap

CUT PERFORMANCE



CNC Pierce/Cut	Recommended	Maximum	Severance
Rated Cut @ 36 ipm (0.91 m/min)	Rated Cut @ 20 ipm (0.51 m/min)	Maximum Cut @ 12 ipm (0.30 m/min)	Sever Cut @ 5 ipm (0.13 m/min)



INPUT



OUTPUT



Tomahawk®

Two Year Extended
Warranty Available in U.S.A.
and Canada

* 3 year warranty on machine
1 year on torch

IP21S Rated

**Torchmate® CNC Table
90 Days**

RECOMMENDED ACCESSORIES



CNC TABLE OPTIONS

2x2™ Water Table

Slats, leveling feet or casters are not included. Pre-drilled and tapped for 3/8 in. (9.5 mm) leveling feet or casters.

Available as Money Matters™ Program FREE Accessory



TOMAHAWK® 625 OPTIONS

Small Canvas Cover

Protect your Tomahawk™ when not in use. Made from red canvas that is flame retardant, mildew resistant and water repellent.

Order K2377-1



LC40M Machine Replacement Torch

Includes 20 ft. (6 m) torch cable and one set of all required torch expendable parts.

Order K2847-2

TOMAHAWK® 625 TORCH CONSUMABLES

Product Number	Description	
KP2843-1	Electrode	Standard
KP2843-2	Nozzle 40A	Standard
KP2843-3	Nozzle (Contact) 40A	Options
KP2843-4	Nozzle (Gouging)	Options
KP2843-5	Retaining Cap	Standard
KP2843-6	Retaining Cap (Gouging)	Options
KP2843-8	Gouge Shield	Options
KP2843-9	Nozzle (Contact) - 25A	Options
KP2843-10	Spacer	Standard

Software Minimum Computer Requirements

- ▶ Windows® XP/Vista® 2007
- ▶ 1 Ghz Processor
- ▶ 1 GB RAM
- ▶ 30 GB Hard Drive

PRODUCT SPECIFICATIONS

Product Name	Product Number	Input Power	Rated Output Current/Voltage/Duty Cycle	Output Range	Cutting Capacity in (mm)	Cutting Speed ipm (m/min)	Machine Resolution:	Air Pressure Required	Air Flow Rate Required	Dimensions H x W x D in. (mm)
Torchmate® 2x2™ CNC Prototyping System / Tomahawk® 625 One-Pak®	K3128-1	2x2™ CNC Table: 110/1/60 (15 amp) Tomahawk® 625: 208/230/1/50/60	Tomahawk® 625: 24A/89.6V/100% 29A/91.8V/60% 40A/96.0V/35%	Tomahawk® 625: 10-40A	24 (610) x 24 (610) (machine can be re-indexed to cut larger materials) - CNC Pierce/Cut 3/8 (9.5) - Hand Torch Recommended: ½ (12.7) - Hand Torch Maximum: 5/8 (15.9) - Hand Torch Severance: ¾ (19.1)	2x2™ CNC Table: - Traverse: up to 200 (5.1) - Cut: up to 150 (3.8) CNC Pierce/Cut 36 (0.91) Recommended: 20 (0.51) Maximum: 12 (0.30) Severance: 5 (0.13)	.00125 in.	80-110psi (6-7.5 Bar)	70psi @ 125-200 SCFH (5 bar @ 80 Liters/min)	2x2™ CNC Table: - 100 lbs (45 kg) - 38 5/8 x 38 7/8 (981 x 987) Tomahawk® 625: - 34 lbs. (15.4 kg) - 15.2 x 8.5 x 18.9 in. (385 x 215 x 480 mm)

See bulletin E11.200 for more Tomahawk® 625 details

CUSTOMER ASSISTANCE POLICY

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THE WELDING EXPERTS®