



Growth Series™ 4x4™ CNC Cutting System

With the Growth Series™ 4x4™, Torchmate delivers a machine that grows with the consumer's needs.

Based on the overwhelming popularity of Torchmate's Growth Series™ 2x2™ and 2x4™ CNC machines, the Growth Series™ 4x4™ packs state-of-the-art plasma cutting, engraving, and routing capabilities into a larger cutting table size that increases the range of metal products the machine can cut.

Growth Series™ 2x2™ and Growth Series™ 2x4™ machine owners can upgrade their machines to the Growth Series™ 4x4™ at an affordable price while costing no more than purchasing the 4x4™ from the start. The upgrade options allow Torchmate customers to invest in a Torchmate CNC machine with confidence, knowing their purchase is flexible enough to be converted into a larger sized CNC machine effectively and affordably.

Call for pricing.

Standard Features

- Generic mounting plate to accept your chosen tool holder
- Accepts manual or machine plasma torch
- Relay to turn on/off plasma torch or other closed circuit tool

Machine Size

- 60" x 60 ¼" footprint

Table Type

- Small Machine Shop

Standard Equipment

- 34 sealed ball bearings for linear motion
- Electronics/Motion System
- 2 amp micro-stepping motors
- Two x-axis drives and motors and one y-axis drive and motor
- 380 oz. in. motors

User Controls

- PC based control software with USB interface

Weight

- Approximately 175 lbs.

Input Power

- 15 amp/ 110 volt for controls
- 220 volt models available for international customers

Cutting Area

- 4'x4'
- Machine can be re-indexed to cut materials larger than 4'x4'

Drive System

- Anti-backlash screw drive

Traverse Speed

- Up to 150 ipm (*software upgrade available*)

Cut Speed

- Up to 150 ipm (*Tool Dependent*)

Machine Resolution

- Approximately .0006"

Available Plasma Units - Compatible with most plasma cutters

Lincoln Electric

- Tomahawk® 375
- Tomahawk® 625

Thermal Dynamics

- Auto Cut Series
- Ultra Cut Series
- Manual Systems
- Cutmaster A Series

Hypertherm

- Powermax Series

Standard Software

- Torchmate Driver Software
- Accepts any .dxf or G-code

Available Software

Torchmate CAD/CAM Lite

- The Torchmate CAD/CAM program was developed specifically to create shapes for cutting.

Torchmate CAD/CAM

- Everything in CAD/CAM Lite plus nesting, scanning and hogging. It contains every feature needed, including dxf importation, automatic kerf compensation, automatic lead-ins and lead-outs, and much more.

BobCAD-CAM

- In addition to being a full-blown computer assisted design program, BobCAD renders 2D images into three dimensional shapes. It then generates G-code to create the 3D pieces with torchmate's automated z-axis in conjunction with a router, roto-ZIP tool, engraver, etc.

Rhino 3D

- Create digital 3D models of your projects before you start the actual fabrication process. All parts fit together just as they would in a physical model. It is possible to rotate the model, zoom in to see the finest detail, and view its components model from the real thing.

RhinoCAM

- RhinoCAM is a general purpose machining program for the general machinist. RhinoCAM includes 2 ½ axis, 3 axis, 4 axis and 5 axis operations. This powerful package is ideal for mold, die and tooling, wood working rapid prototyping and general machining markets and generate G-code to be directly sent to the Torchmate machines. This product boasts of powerful toolpath generation strategies coupled with tools for efficiently controlling the cutting tool for detailed machining capabilities, while not sacrificing ease of use. It has all the basic functionality as well as additional features suitable for demanding users with sophisticated manufacturing requirements.

Computer Requirements

- Windows XP/Vista/'07
- 1 GB processor
- 1 GB ram
- 30 GB hard drive

Warranty

- 90 day warranty on electronics, parts, and software

- Lifetime unlimited free technical support