

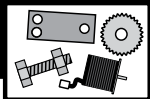
PLASMA, OXY-FUEL,
ROUTER, & MORE

TORCHMATE
CNC CUTTING SYSTEMS®

WWW.TORCHMATE.COM

1-866-571-1066

TORCHMATE CNC CUTTING MACHINES ARE AVAILABLE



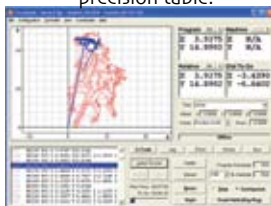
DIY KIT

A DIY kit includes the basic items you need to fabricate a CNC cutting machine. All the complicated design work is done, allowing you to avoid the trial and error of developing your own system. All you have to focus on is welding the main table and gantry according to the provided plans.

Standard features of DIY kits include complete instructions, all bracketry, stepper drive motors, dual drive, CNC drive and control boxes, bearings, guides, and driver software. You can tailor any accessories and add-ons according your needs and budget.



Laser cut bracketry makes it easy to fabricate a precision table.



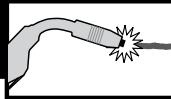
Even our basic DIY kits include the powerful, easy to use Torchmate driver software.



DIY Kits allow you to customize the table to fit your needs

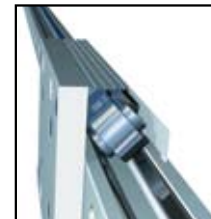
These machines are available as DIY Kits:

TORCHMATE ONE



GANTRY KIT

A Gantry kit is an excellent way to go if you have welding skills, but want your machine to be operational quickly. Included are **all items in the DIY kit, plus** a precision extruded aluminum gantry, roller guides, dual side drive and everything above the machine's frame rails.



Our machines feature precision aluminum roller guides for the ultimate in accuracy and durability.



Torchmate Gantry



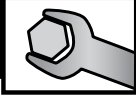
These machines are available as Gantry Kits:

TORCHMATE TWO

TORCHMATE THREE

TORCHMATE FOUR

IN THE FOLLOWING CONFIGURATIONS:



BOLT-TOGETHER

Not a welder? Not a problem. Torchmate Bolt-Together kits do just that - bolt together with hand tools. By utilizing extruded aluminum components a Torchmate machine can be very heavy duty and easy to assemble. **These kits include all the great features of the Gantry kit plus everything else needed to complete your machine.**



Our bolt together kits feature extruded aluminum components. Extrusion specs:

- Yield strength 35k lbs/sq.in, Tensile strength 38k lbs/sq. in.
- Straightness 0.0125" per foot of length, not to exceed .120" over 20 feet of length
- Rockwell hardness approx. E-88



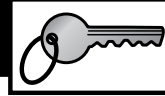
Precision Ground Guide Rails:

- Custom USA ground from 1/4" oversized stock to exact specifications
- .001 tolerances, 63 Micro finish

These machines are available as Bolt-Together Kits:

TORCHMATE TWO

TORCHMATE THREE



COMPLETE TURN-KEY

By customer demand, we now offer complete turn key machines. Complete machines arrive fully assembled and crated. Simply set it in place, plug it in, and you are ready to cut. Each complete machine is custom made to the customer's specifications.



Top-of-the-line Servo motors drive with speed and precision



Crated for delivery.



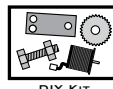
All Turn-key machines are custom built to order and tested at our factory

These machines are available as Turn-Key Systems:

TORCHMATE FOUR



AVAILABLE AS:



DIY KIT

The Torchmate One CNC DIY Kit allows a person on a tight budget to benefit from the advantages of CNC plasma cutting. The buyer fabricates the entire machine from steel tubing and cold roll bar that is purchased locally.

Torchmate provides the plans, software, electronics, all the brackets, timing pulleys and belts, gearing, needle bearing cam followers, and hardware for the project. Industrial grade electronics and parts offer customers a chance to build their own high-quality table at substantial savings. Torchmate One machines have been built into a wide variety of sizes for many applications.

The Y axis on the Torchmate One is also made by the buyer. This work is done with plans and laser cut brackets that Torchmate provides. It allows builders to customize the table to suit their particular needs.

The Torchmate One CNC Gantry Kit has allowed thousands of customers to realize the precision and efficiency of CNC production. When customers build the table and Y Axis themselves, they enjoy big savings in exchange for their labor.

Starting at less than \$3,500, this is the least expensive method to get started in CNC on the market. Free tech support is available. Electronics, parts, and software have a one year warranty.

- Our most economical option
- Sized from 4'x4' to 6'x40'
- DIY Kit only - you build the table and gantry
- Suitable for industrial applications
- For plasma and oxy-fuel cutting
- Industrial grade electronics
- 135oz in. motors
- Dual drive system - X axis driven by one motor and a driveshaft
- Free tech support

CALL TODAY FOR A CUSTOM QUOTE!

Torchmate One Specifications:

Cutting capacity	4' x 4' to 6' x 40'
Construction	User provided steel
Power (X axis)	Single 135 oz. in. motor
Power (Y axis)	Single 135 oz. in. motor
Electronics	2 amp. half-stepping
Machine Resolution	Approximately .0015"
Speed range	Approximately 3 – 300 IPM
Units of measure	Inch or metric
Y axis	User fabricated
X axis	Hardened needle bearing cam followers
Drive	Rack & pinion on both axes
Legs	User fabricated
Weight	Approx. 350 lbs. (4'x8' capacity)
Footprint	80" x 132" (4' x 8' capacity)



Note: Water table plans/components not included in kit



INTERNATIONAL CALLS **1-775-673-2200**

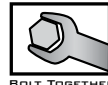
TOLL FREE **1-866-571-1066**

TORCHMATE²

CNC CUTTING SYSTEMS[®]

Light Industrial

AVAILABLE AS:



The Torchmate Two Light Industrial Machine is our smallest, most economical, complete system. There is no fabrication required so you can be up and running relatively quickly. It provides a full 4' x 4' cutting area in a compact unit with only a 5' x 6' footprint. It is perfect for the shop with limited floor space, or for **school industrial arts classes**. Longer pieces can be cut with indexing.

It uses a precision linear slide and roller cassette on the Y axis, and hardened needle bearing cam followers and ground steel rails on the X axis. The machine is driven on both sides via a driveshaft. 135 oz. in. motors use a 3.4 timing pulley reduction for an effective 460 oz. in. of torque on each axis.

A manual torch holder (pictured), or a vertical machine torch holder can be used. If desired, the unit can be fitted with our arc voltage automatic torch height control as well.

This machine comes complete, as pictured, except for individually replaceable material support slats that can be purchased locally from a steel supply house. Customers report assembly times as short as two hours. Torches sold separately.

- Suitable for a wide variety of uses
- High mechanical accuracy
- Compact 4'x4' size
- Crane or hand loaded material
- For plasma, oxy-fuel, or router cutting
- Industrial grade electronics
- A favorite of schools
- 460 oz. in. x/y axis torque
- Dual drive system - X axis driven by one motor and a driveshaft
- Free tech support

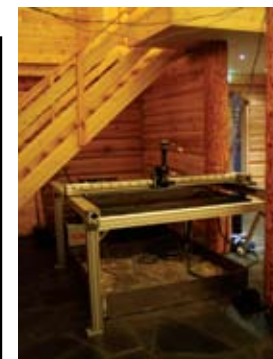


CALL TODAY FOR A CUSTOM QUOTE!



Torchmate Two Light Industrial Specifications:

Cutting capacity	4' x 4'
Construction	Reinforced extruded aluminum
Power (X axis)	Single 135 oz. in. motor
Power (Y axis)	Single 135 oz. in. motor
Electronics	2 amp. half-stepping
Machine Resolution	Approximately .0015"
Speed range	Approximately 3 – 300 IPM
Units of measure	Inch or metric
Y axis	Industrial linear motion components
X axis	Hardened needle bearing cam followers riding on ground steel rails
Drive	Rack & pinion on both axes
Legs	Industrial leveling screws (4x8 & up)
Weight	Approx. 350 lbs. (4' x 4' capacity)
Rail height	36"
Footprint	80" x 68" (4' x 4' capacity)



The Torchmate Two 4'x4' machine fits into compact spaces.

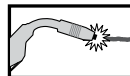
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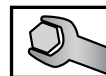
TORCHMATE 2

CNC CUTTING SYSTEMS®

AVAILABLE AS:



GANTRY KIT



BOLT TOGETHER

Torchmate Two is designed to be used in a variety of workplaces. Buyers may select the size that best suits their particular needs. Available sizes are from 4' x 8' to 6' x 40'. This powerful option gives the Torchmate Two adaptability in almost any shop setting.

Torchmate Two boasts industrial grade electronics, software and parts. It is versatile and can be adapted to a wide variety of applications for anyone from large industrial users to individual hobbyists. It is good choice for a person who is seeking to start a business in metalwork.

While plasma cutting is the most popular tool for the Torchmate Two, it can also accommodate a router, oxy-fuel setup, or tube cutter. It is good for any job that does not require the cutting of thick plate. With free tech support, users can become proficient at the machine's many uses.

The Torchmate Two is designed to be loaded by hand or by crane. The X axis (long axis) precision ground rails are level with each other and use one motor and one driveshaft. This setup propels both sides equally and eliminates backlash. Like the Torchmate Three, the Y axis (short axis) of the Torchmate Two has the same precision linear motion multi-rail that supports a roller cassette. It provides great accuracy and repeatability.

- Suitable for a wide variety of uses
- Available as a Gantry kit, or as a Bolt Together
- Sized from 4'x 4' to 6'x 40'
- High mechanical accuracy
- Crane or hand loaded material
- For plasma, oxy-fuel, or router cutting
- Industrial grade electronics
- Dual drive system - X axis driven by one motor and a driveshaft
- 460 oz. in. x/y axis torque
- X axis driven by one motor and a driveshaft
- Free tech support

**CALL TODAY FOR A
CUSTOM QUOTE!**

Torchmate Two Specifications:

Cutting capacity	4' x 4' to 6' x 20'
Construction	Reinforced extruded aluminum
Power (X axis)	Single 135 oz. in. motor
Power (Y axis)	Single 135 oz. in. motor
Electronics	2 amp. half-stepping
Machine Resolution	Approximately .0015"
Speed range	Approximately 3 - 300 IPM
Units of measure	Inch or metric
Y axis	Industrial linear motion components
X axis	Hardened needle bearing cam followers riding on ground steel rails
Drive	Rack & pinion on both axes
Legs	Industrial leveling screws (4x8 & up)
Weight	Approx. 350 lbs. (4' x 8' capacity)
Rail height	36"
Footprint	80" x 132" (4' x 8' capacity)



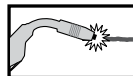
INTERNATIONAL CALLS **1-775-673-2200**

TOLL FREE **1-866-571-1066**

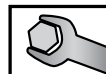
TORCHMATE³

CNC CUTTING SYSTEMS®

AVAILABLE AS:



GANTRY KIT



BOLT TOGETHER

The primary feature of the Torchmate Three is that one side is eight inches lower than the other to permit heavy or thick plate material to be loaded with a forklift. It can also be loaded by crane or by hand. Precision industrial bearings, riding on ground steel rails, guide the X axis (long axis). The rollers are calibrated to grip four hardened and ground rails with zero clearance.

The Y axis (short axis) is a precision linear motion multi-rail that supports a roller cassette. The cassette has eight 1" diameter needle bearing rollers at right angles to one another for consistent movement. The carriage is fitted with replaceable felt wipers at each end to insure repeatability.

Motors on both sides of the gantry drive the Torchmate Three. The Torchmate Three produces twice the power of competing models. The motors powering the system utilize a rack and pinion drive train with a timing pulley and belt reduction. This setup eliminates the backlash that is present when inexpensive gearbox reductions are used. A 1" steel rail overhang protects the special 1 1/4" x 3/8" gear rack. The outside mounting of the gear racks eliminates jamming problems associated with spring-loaded upside-down gear rack designs.

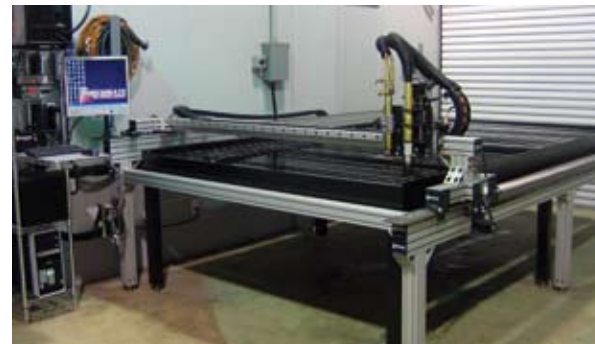
The Torchmate Three is ideal for large industrial applications. It can be used with plasma, oxy-fuel, router, or tube cutter. The table sizes range from 4'x 8" to 10'x 40'.

- Ideal for large volume production and heavy materials
- Available as a Gantry kit, or as a Bolt Together
- Sized from 4'x 8" to 10'x 40'
- High mechanical accuracy
- Easy forklift access
- For plasma, oxy-fuel, or router cutting
- Industrial grade electronics
- Dual drive system - X axis driven by two motors
- 1800 oz. in. X axis torque
- 900 oz. in. Y axis torque
- X axis driven by two motors
- Free tech support

**CALL TODAY FOR A
CUSTOM QUOTE!**

Torchmate Three specifications:

Cutting capacity	4' x 4' to 10' x 40'
Construction	Reinforced extruded aluminum
Power (X axis)	Two 264 oz. in. motors
Power (Y axis)	Single 264 oz. in. motor
Electronics	2 amp. half-stepping
Machine Resolution	Approximately .0015"
Speed range	Approximately 3 – 300 IPM
Units of measure	Inch or metric
Y axis	Industrial linear motion components
X axis	Hardened needle bearing cam followers riding on ground steel rails
Drive	Rack & pinion on both axes
Legs	Leveling feet or anchor mount
Weight	Approx. 450 lbs. (4' x 8' capacity)
Rail height	41" & 33"
Footprint	80" x 132" (4' x 8' capacity)



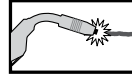
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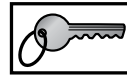
TORCHMATE 4

CNC CUTTING SYSTEMS®

AVAILABLE AS:



GANTRY KIT



TURN-KEY

When customers need a complete turn-key system that can handle heavy-duty use, the Torchmate Four is the answer. **Torchmate will deliver the machine, set it up, train the operators, and make sure its ready to get to work.** Whether it is cutting thick or thin plate, plasma or oxy-fuel, the Torchmate Four will do it with power, speed, and accuracy.

Torchmate Four features a top of the line closed-loop servo system that offers rapid traverse speeds from 300 to over 1500 inches per minute and cut speeds up to 500 inches per minute. It may be used with either a computer-controlled water table or downdraft. It has a four point reinforced gantry to ensure the highest speed and accuracy.

The Torchmate Four is a full-scale industrial grade production machine. Although it is a sophisticated device, Torchmate's free and unlimited tech support ensure you will be able to keep the table running efficiently.

To further illustrate the Torchmate Four's advanced features, the machine includes a compressed air rail cleaning system, a durable epoxy finish, fully grounded bed, heavy duty computer cabinet, and complete cable carrier guide. Angled support slats are provided for increased life with the use of plasma or oxy-fuel. The Torchmate Four also has access doors for cleaning the water table or downdraft, adjustable table height for easy loading and unloading of heavy material, dual X axis motors, and precision ground steel rails.

Torchmate Four is very competitively priced - its features put it on par with machines costing two to three times as much. With included design software (Torchmate CAD) and the easy-to-use machine driver program, the buyers of a Torchmate Four will be up and running and making high quality products in a short amount of time. It is a best buy among CNC cutting systems.

Torchmate Four is also available in kit form. Torchmate provides buyers with the plans to build their choice of a water table or downdraft. Call for details. Our expert sales people guide you through the many options and accessories to ensure you get the ideal machine suited to your needs.

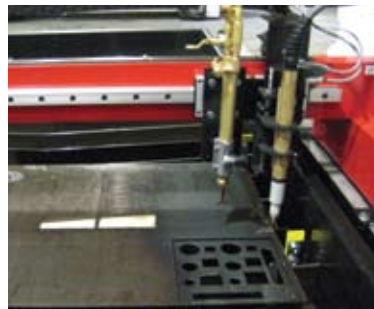


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Features:

- Available in sizes from 5'x10' to 10'x40'
- Plasma, oxyfuel, or even both
- Designed and constructed to handle the most demanding and heavy duty industrial applications
- Built in water table which greatly reduces airborne smoke and debris - downdraft version also available
- Adjustable table height eases loading and unloading
- Inverted gearing reduces debris in drive system
- Four point gantry designed for high speed
- Adjustable water height
- Handles 2"+ plate
- Closed loop servo drive motors for maximum speed and precision
- Dual drive system - X axis driven by two motors
- Hand built heavy duty bed
- Compressed air rail cleaning system
- High mechanical accuracy
- Angled support slats for increased life
- Fully grounded table
- Heavy duty computer cabinet standard
- Full cable carrier system included



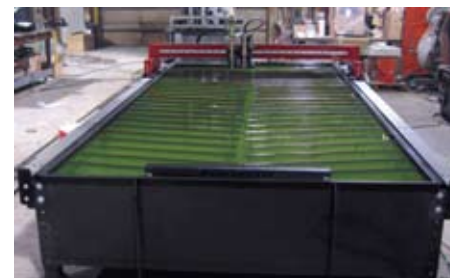
Cutting capacity	5' x 10' to 10' x 40'
Construction	Steel and alloy
Power (Y axis)	Brushless servo motor
Power (X axis)	Dual brushless servo motors
Electronics	Closed loop servo
Machine Resolution	Approximately .0015"
Speed range	Approximately 3 - 1500 IPM
Units of measure	Inch or metric
Y axis	Industrial linear motion components
X axis	Hardened needle bearing cam followers - precision ground steel rails
Drive	Rack & pinion on both axes
Legs	Adjustable steel legs
Weight	~4800lbs dry (5' x 10' capacity)
Rail height	21"-32"
Footprint	14' x 8' (5' x 10' capacity)



A Torchmate Four ready for delivery

CALL TODAY FOR A CUSTOM QUOTE!

INTERNATIONAL CALLS **1-775-673-2200**



TOLL FREE **1-866-571-1066**

TORCHMATE CNC CUTTING MACHINES HAVE MANY USES:

PLASMA

Plasma cutting is a popular application of the Torchmate CNC Cutting Machine. Plasma cuts a wide variety of metals and is effective up to 1" plate. Our customers use plasma cutting to create everything from repetitive bracketry to intricate artwork and signage.



OXY-FUEL

Oxy-fuel can cut a wide range of ferrous metals. It is the recommended cutting method for 3/4" + steel and creates less bevel than plasma cutting. Torchmate CNC Oxy-fuel cutting machines are routinely used to cut 4" and thicker steel.

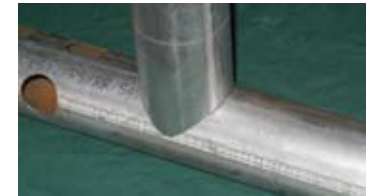


ROUTING, ENGRAVING, & DRILLING

Our optional Z-axis makes intricate 3d Routing, engraving, and drilling projects possible. Torchmate machines have been used to create detailed 3d moldings and signs, and other artwork. If you add a Torchmate Probe sensor you can digitally map and reproduce 3D objects.



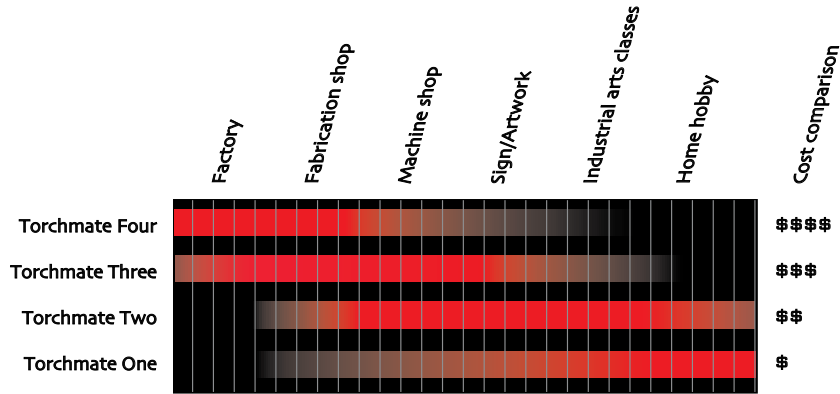
The tube cutting attachment allows Torchmate users to create detailed cuts on the curves of tubing. Perfect fishmouth cuts are a breeze! You can even cut designs and type into tubing.



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TORCHMATE CNC APPLICATIONS



	Oxy-Fuel Compatible	Plasma Compatible	Router Compatible	Engraver Compatible	DIY Kit	Gantry Kit	Bolt Together	Complete Turn-key	Forklift friendly	Tube Cutting Compatible	Stepper Motors	Servo Option	Free Tech Support	One year warranty	Dual Motor X-axis
Torchmate Four	X	X	X	X		X		X	X		X	X	X	X	X
Torchmate Three	X	X	X	X		X	X		X	X	X	X	X	X	X
Torchmate Two	X	X	X	X		X	X			X	X	X	X	X	
Torchmate One	X	X			X					X	X		X	X	

CUSTOMER PROJECTS



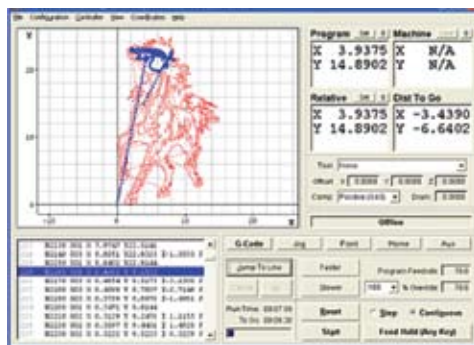
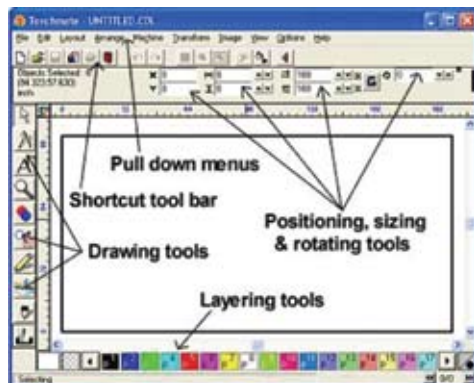
INTERNATIONAL CALLS 1-775-673-2200

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SOFTWARE

Torchmate Driver Module

All new Torchmate driver software module (the program that runs the machine) has numerous new features asked for by our customers. The most notable of these is the ability to go back and start at any line within a G-code file. There is also a runtime clock that allows for more accurate billing of your customers.



Torchmate Driver Software Module contains the following features not typically included with competitors software:

- Generates & runs on G-code
- Feed rate override with speedometer
- Metric & inch measurements
- Back up & start at any line of G-code
- Keyboard control of torch on & off
- G-code editor
- On-screen torch path simulation
- Real or accelerated time simulation
- Program controlled dwell for plasma
- Program controlled dwell for oxy-fuel
- Digital readout of torch position
- Plate processing time estimator
- Ability to work in 3-D
- Automatic dwell after pausing

Torchmate CAD

Our Torchmate software is made up of two separate modules that work seamlessly with each other to design, and then cut your parts. This allows you to design your shapes and dry-run them in the comfort of your office, prior to going out to the shop to cut them. The CAD software module that creates your shapes requires a more powerful and expensive computer than the one in your shop that runs your machine. Keeping the two modules separate permits you to expose a slower, less costly computer to the conditions of your shop, and keep your good computer safe and protected. It also allows for you to work on designs while the table is running.

Our CAD Module has more functionality than anything else remotely in the price range of our machines. Its all new state of the art features are in stark contrast with competing programs, many of which were created for Windows 3.1, and have gone unchanged for 8 or 9 years.

FEATURES INCLUDE:

- Full automatic nesting
- Automatic kerf compensation
- Metric & inch measurements
- Auto lead-ins & outs
- Scanned images
- High number of file import formats
- Text editing capability
- Torch travel direction control
- Creates duplicates in patterns
- Full CAD drawing capability
- Node editing capability
- On-screen context sensitive help
- Works in different layers

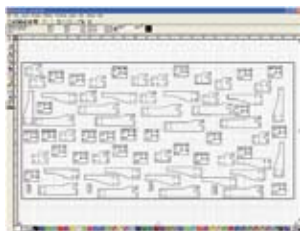


**Easily convert drawings
to metal art.**

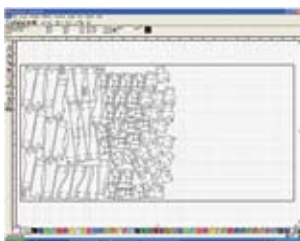
A typical nesting procedure can result in a plate area savings of almost 50%. Taking the time to manually move the parts around on the screen would probably be more expensive than the plate that would be wasted without nesting.

The CAD module is so smart that it automatically goes counter-clockwise for inside cuts and clockwise for outside cuts. This produces the best cut edges. It also automatically puts the kerf compensation and lead-ins/out on the inside of inside cuts and the outside of outside cuts.

It also knows to cut interior parts before cutting the exterior shape. This keeps the doughnut from falling out



Full Nesting



Advanced automatic part nesting saves material.

of the plate before its hole.

You have complete control of all these special features. Turn them off or on - customize the program to fit your needs.

Design2Fab

Design2Fab is a powerful Sheet Metal and Plate Layout and Estimating Software for HVAC, Industrial, Piping, Roofing, Kitchen, etc. Fast and easy to use, Design2FAB's Sheet Metal Layout System is today's most popular software for

desktop automated, computerized pattern layout. You can now produce patterns in seconds rather than hours! Proven to save you time and money.

Design2Fab's automated layout systems can be used with cnc plasma, laser, water jet or manual layout software.

Rhino

Rhino can create, edit, analyze, and translate NURBS curves, surfaces, and solids in Windows. There are no limits on complexity, degree, or size.

Rhino also supports polygon meshes and point clouds. Rhino also features uninhibited free-form 3-D modeling

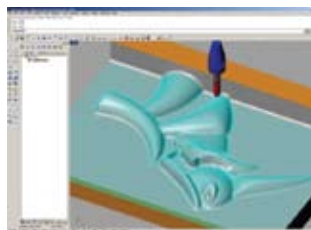
tools like those found only in products costing 20 to 50 times more.

It has the accuracy needed to design, prototype, engineer, analyze, and manufacture anything from an airplane to jewelry.

RhinoCAM

Basic: This plug-in is a general purpose machining program for the general machinist. RhinoCAM includes 2-1/2 axis, 3 Axis and hole making operations. It comes with hundreds of post-processors and a post-processor generator to create user definable post-processors. Packed with sufficiently powerful manufacturing methods this easy to use package is not only effective but also attractively priced for the budget conscious or entry level buyer.

Pro: This powerful package is ideal for mold, die and tooling, wood working rapid prototyping and general machining. 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. Has all the basic functionality as well as additional features suitable



RhinoCAM makes complex 3d shapes possible.

for demanding users with sophisticated manufacturing requirements.

BobCAD-CAM

BobCAD-CAM proves that advanced CAD-CAM software can be powerful and loaded with part making functionality, yet still easy to use while also being affordable enough for any shop! From basic 2D machining operations to model design and mold making BobCAD-



CAM provides you the toolpath and g-code to cut your parts FASTER...SMARTER & EASIER!

Questions about which software package you need? Our sales staff would be happy to assist you. - We also offer other software items like clipart and fonts.

OPTIONS AND ACCESSORIES

ARC VOLTAGE TORCH HEIGHT CONTROL

Our new and improved arc voltage torch height control (AVTHC) maintains the proper torch tip-to-work distance by monitoring arc voltage, which changes with the tip to work distance.

Tip-to-work interval for monitoring is adjustable. The unit also raises the torch approximately 3" while moving between cuts to avoid collision with tip-ups (fully cut parts that have not fallen out of the plate, but have tipped up from the material).

The third important feature of our height control is the ability to pierce the material at a greater height. This greatly extends the life of your consumables and decreases operating costs.

Some manufacturers are vague about what their height control is. Some are a lot less 'automatic' than others. Insist on seeing clear, understandable photos of exactly what you are getting. The less they tell you about it, the less you are probably getting.

AUTOMATED Z AXIS

Our optional automated Z axis upgrade includes additional Z axis circuitry, a physical third axis and

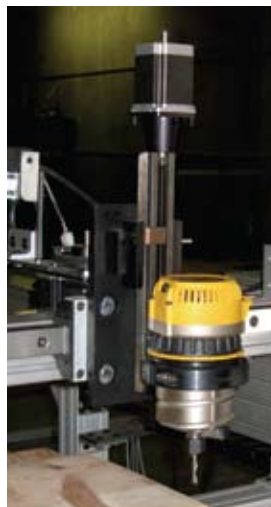
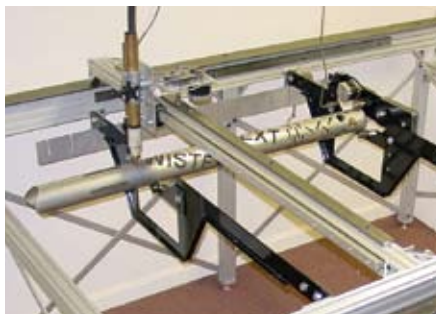
BobCAD 3-D software, permitting sign making, raised 3-D images, etc., with your router.

Many routers vary in diameter and shape - we stock a 3.5" shaft collar and mount which fits most 2.25hp routers.

Common applications for the Automated Z Axis include: routing, drilling, engraving, spray applications, and probe sensing for prototyping.

TUBE CUTTING ATTACHMENT

The Torchmate tube cutting attachment enables you to perform complex operations on tubing ranging from 1" to 8" in diameter. You can perform saddle cuts in the sides of tubing, fish mouth cuts on the ends, slots, etc.



PLASMA CUTTERS

We carry a wide range of competitively priced Thermal Dynamics and Hypertherm plasma cutters. Ask your salesperson for pricing.



PLASMA CONSUMABLES

We have the best pricing on tips, electrodes, shield cups, start cartridges and more. Go to www.torchmatestore.com for ordering information. If you don't see what you need, give us a call - we carry it all!



HARRIS / VICTOR 3 HOSE OXY-ACETYLENE CUTTING OUTFITS



Includes machine torch with two tips, three hoses, two oxygen regulators, and one acetylene regulator.

SOLENOID VALVE

A 115 volt a/c activated solenoid valve is required



for oxy-fuel cutting. This controls the cutting oxygen on/off function. The pre-heat flame remains on continuously during the cutting operation.

TORCHMATE PROBE SENSOR

Available for use on any Torchmate Two, Three or Four system, our Torchmate Probe Sensor gives your machine full prototyping capability. Put any sample shape or piece on your table, set the distance between passes and probe offset and walk away. Your system will recreate just about any part and the code to cut as many duplicates of it as you need. This is a great option when simple CAD drawings just are not possible. It is especially helpful when trying to recreate a complicated 3-D shape. Forget learning how to draw the part, just let your Torchmate Cutting System recreate it for you.

TORCHMATE MACHINE INTERFACE

Our machine interface box is required if you need the computer to control your tool. We have two versions — one for plasma and one for either oxy-fuel or a router.

The plasma interface turns the plasma torch on and off under computer

control. The oxy-fuel interface controls the cutting oxygen on and off on a 3 hose cutting torch. A solenoid valve is also required. This interface allows the computer to turn the router on and off as well.

Plasma cutter manufacturer's machine interfaces are not required for use in our systems.



REMOTE PENDANT

We now offer a 38 function, completely programmable remote pendant as an option with all our systems. All you need is an available USB port and instant control of your Torchmate machine is at your side at all times. Complete control of your system can be had wherever you need to be.



ON-SITE SETUP AND TRAINING

We will send one of our trained technicians to your facility to setup your new Torchmate machine and spend two full days training you and your staff on how to use it. This is a great option for the busy shop that just needs the system up and running as quickly as possible. In the case of our Bolt Together systems, we will completely construct the entire machine for you. With our Torchmate kits, you will still be required to build the frame for the table and we will take it from there. This is an option that you will want to plan for far in advance because our technicians book out fairly quickly.

SPARE PARTS KITS

Many of our customers rely on their machine to such a degree that down time often costs more than the machine itself. With these customers in mind, we came up with Spare Parts packages which contain some of the items that can wear down over time on a Torchmate System. Most of these parts are inexpensive items, but they are not something you can simply run out to the store and purchase. Some people want a backup for every component on the machine in case they have a



power surge from a lightning strike or some other act of nature. Other customers know that they will have laborers running the machine that simply do not care what they break. The Torchmate System lends itself to having inexpensive labor running it. Sometimes this can lead to mistakes which will leave you with a \$10,000 machine that needs a \$100 part in order to get back up and running. Don't lose a day of productivity over that part. Parts kits are customized to your needs and may not contain all items pictured here - many opt not to have spare motors. Plan ahead and ask for a Spare Parts Kit with your Torchmate System.

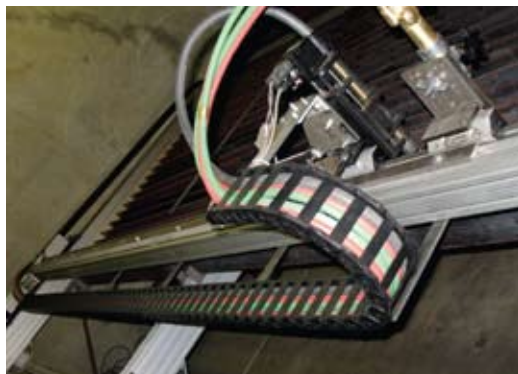
Questions?

One of our experienced sales representatives can help determine what machine and accessories are best for your needs. Give us a call today!

OPTIONS AND ACCESSORIES

CABLE CARRIER KITS

Our cable carrier kits securely and safely route all cables. Constructed of tough, weather and grit resistant



polymers, they combine great flexibility when curved in one direction, and rigidity against being curved in the other. The links can be separated at any point in the chain, making exact sizing easy.

Cable carrier with separate channels are available to help you isolate your plasma torch cable from your electronics cables. Necessary brackets and fasteners are included.

DELL COMPUTERS

Torchmate can supply you with a new Dell desktop or laptop, with the Torchmate driver software already installed and configured. Purchase the Torchmate CAD software module with your computer, and it will be installed and configured as well.



WORKSTATIONS

Provides secure storage and protection for your CPU and supplies in the lower cabinet with adjustable shelf. Rear cabinet access holes for cables and ventilation fan. A middle shelf with 11-1/2" clearance for printer and



other components. The slide out keyboard tray has a comfortable wrist rest area to reduce fatigue. The top surface is convenient for monitor viewing and has 1-1/2" back and end stops to keep items from rolling off. Durable gray or blue powder coat finish. Ships almost completely assembled. Available in several different configurations. Your salesperson can help you choose the model appropriate for your application at the time of order.

PLATE MARKING ATTACHMENT

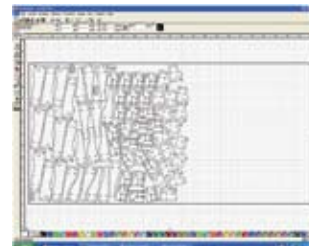
Do you produce a large amount of intricate parts that need labeling? Need to make sure the guy 'in



the field' knows how to assemble them? If so, the plate marking attachment can be a lifesaver. This pneumatic tool allows you to mark part numbers, serial numbers, arrows, etc on to your parts before you cut them.

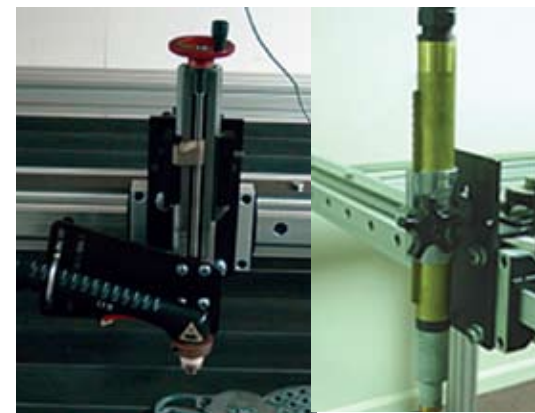
CUSTOM DESIGN SERVICES

Available upon request. Ask your salesperson for details.



MACHINE AND HAND TORCH HOLDERS

While we recommend that machine torches be used in all of our systems, we do offer both hand and machine torch holders.



WWW.TORCHMATE.COM

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SLAT SUPPORT BRACKETS

(INCLUDED ON BOLT TOGETHER SYSTEMS,
OPTIONAL ON GANTRY KITS.)

These laser cut brackets are custom designed to safely hold material on the machine. Saves you money by tying in directly to the machine's framework, eliminating the need for a separate support structure.



GEAR RACK UPGRADE

(INCLUDED ON BOLT TOGETHER SYSTEMS,
OPTIONAL ON GANTRY KITS.)

All of our Torchmate Bolt Together Systems come with our own custom made gear rack that simply bolts onto the table frame (shown on the bottom in the photo). This saves a lot of time over using common off the shelf gear rack (top of photo) and tack welding it onto cold roll stock which you will need to drill. This upgrade does not change the performance of the machine, it just saves you some time during construction. Because of the volume of this rack we use, we are able to offer it to our kit customers for substantially less than most people's time is worth.



PRECISION GROUND RAILS -

(INCLUDED ON BOLT TOGETHER SYSTEMS,
OPTIONAL ON GANTRY KITS.)

A cnc cutting machine can only be as accurate as the rails which support and guide it. Like manufacturers of commercial machines costing \$100,000 and up we use precision ground steel rails. Many inexpensive machines on the market often use low cost construction grade materials as guide surfaces - like steel tubing or aluminum extrusions.

More precise guide surfaces are required when cutting to exacting dimensions, or when producing large shapes with sides that must mate with each other precisely for their whole length. Ground steel rails are a must when absolute precision is required.

We contracted with one of the world's best manufacturers of machine tool ways and rails to produce our precision ground X axis rails. They start out oversized by 1/8" in both dimensions. They are then blanchard ground to within .002" or less of absolute straightness in both dimensions



BRUSHLESS SERVO UPGRADE & REINFORCED GANTRY

(AVAILABLE ON TORCHMATE THREE & FOUR ONLY)

A properly sized stepper control package will give 95% of Torchmate customers the most bang for their buck, however there are circumstances and applications where only an extremely high end control setup will do. Upon special request we will outfit your machine with our state of the art brushless servo motors and controls. This upgrade package also comes with a reinforced gantry capable of the utmost in smooth power and precision. Our servo package will allow for acceleration rates not seen in comparable machines and top speeds of more than 1500 to 2000 inches per minute. This package also comes with easy to use tuning software which will allow your system to always be in perfect balance even as it wears. As with every item in our product line, free unlimited support is included for the life of the machine.



Torchmate has been making cutting machines for over 25 years.

You can count on us to be here
if you need assistance!



- **WE'VE BEEN MANUFACTURING CUTTING MACHINES FOR OVER 25 YEARS**
- **FREE UNLIMITED TECH SUPPORT**
- **ONE YEAR WARRANTY**
- **POWERFUL, FLEXIBLE, EASY TO USE SOFTWARE**
- **PRECISION GROUND RAIL COMPONENTS**
- **MOST ACCESSORIES ON THE MARKET**
- **COMPLETE MANUFACTURING SYSTEMS**
- **DO IT YOURSELF KITS OR SIMPLE BOLT TOGETHER OPTIONS**
- **WE OFFER SOLUTIONS FROM SMALL HOME MACHINES TO LARGE CAPACITY INDUSTRIAL MACHINES**
- **ALL MACHINES ARE BUILT TO HANDLE FULL TIME INDUSTRIAL USE**
- **ADAPTABLE TO A WIDE VARIETY OF APPLICATIONS**
 - PLASMA, OXY-FUEL, ROUTING, ENGRAVING, DRILLING, WATERJET, LASER AND MORE.

Torchmate Machines are used throughout the world:

USA - all 50 States	Haiti	Philippines
Argentina	Honduras	Poland
Australia	Hong Kong	Puerto Rico
Bahamas	Iceland	Romania
Belgium	India	Russia
Botswana	Ireland	Saudi Arabia
Brazil	Isle of Man	Scotland
Canada	Israel	Serbia
Chile	Italy	Singapore
China	Japan	Slovenia
Colombia	Kenya	South Africa
Croatia	Korea	Spain
Cyprus	Kuwait	Sultanate of Oman
Ecuador	Malaysia	Taiwan
Egypt	Mexico	Tanzania
England	Netherlands	Thailand
Estonia	New Zealand	Turkey
Finland	Nigeria	Venezuela
Germany	Norway	United Arab Emirates
Greece	Pakistan	Zimbabwe
Guatemala		

Organizations using Torchmate Machines include:

Alyeska Pipeline Service Co.	Raytheon
Brown-Minneapolis Tank	Rensselaer Polytechnic
BP Amoco Petroleum	Texas A&M University
CASE	Univ. of Alaska
FEMA	Univ. of CA Berkley
Kohler	Univ. of Southern CA
Lennox	US Airforce
Lockheed Martin	US Army
M.I.T.	US Navy
Oshkosh Truck	Washington State Patrol

775-673-2200 - 866-571-1066 TOLL FREE - 775-673-2206 FAX

WWW.TORCHMATE.COM - SALES@TORCHMATE.COM

SALES OFFICE: 280 S. ROCK BLVD, SUITE 150 - RENO, NV 89502

ADMIN OFFICE: 108 JORDAN TAYLOR LANE, HARWOOD, MD 20776

TORCHMATE SYSTEMS PRICING

All Torchmate machines feature x-axis dual drive.

Torchmate One DIY Kit (4'x 8' Capacity)	\$3,295
Torchmate One DIY Kit (5'x 10' Capacity)	\$3,405
Larger capacity systems available up to 5' x 40', call for quote	

Torchmate Two Gantry Kit (4'x 8'Capacity)	\$6,995
Torchmate Two Gantry Kit (5'x 10'Capacity)	\$7,495
Larger capacity systems available up to 6' x 40', call for quote	
Torchmate Two Bolt together (4'x 4' Small Shop Machine)	\$7,495
Torchmate Two Bolt together (4'x 8')	\$8,995
Torchmate Two Bolt together (5'x 10')	\$9,995
Larger capacity systems available up to 6' x 40', call for quote	

Torchmate Three Gantry Kit (4'x 8'Capacity)	\$7,795
Torchmate Three Gantry Kit (5'x 10'Capacity)	\$8,495
Larger capacity systems available up to 10' x 40', call for quote	
Torchmate Three Bolt together (4'x 8')	\$10,995
Torchmate Three Bolt together (5'x 10')	\$11,995
Larger capacity systems available up to 10' x 40', call for quote	

Torchmate Four Gantry Kit (5'x10'/Servo/Watertable)	\$19,795
Many other sizes/configurations available, call for quote	
Torchmate Four Complete Turn-Key (5'x10'/Servo/Watertable)	\$44,995
Many other sizes/configurations available, call for quote	

** Items listed below in italics are included on all Bolt Together Systems*

Torchmate Options and Accessories

Arc Voltage Torch Height Control	\$2,399
Physical Z axis for Routing/Drilling (TM2)	\$1,399
Physical Z axis for Routing/Drilling (TM3)	\$1,899
Tube Cutting Attachment	\$1,495
Thermal Dynamics Plasma Cutters & Consumables	\$Call
Hypertherm Plasma Cutters & Consumables	\$Call
Harris 3 hose oxy-acetylene cutting outfit	\$895
Victor 3 hose oxy-acetylene cutting outfit	\$895
Solenoid valve for oxy-fuel	\$295
Probe Sensor (includes Rhino and RhinoCAM)	\$2,645
Plate Marking Attachment	\$Call
<i>Plasma or Oxy-Fuel Machine Interface*</i>	<i>\$295</i>

Remote Pendant		\$395
Cable Carrier (Varies by table size)	From	\$325
Dell Desktop Computer		\$600
Dell Laptop Computer		\$820
Computer Workstations (Various Models Available)	From	\$435
Brushless Servo Electronics & Gantry Upgrade		\$Call
Spare Parts Kits	From	\$345
<i>Machine Torch Holder*</i>		<i>\$175</i>
Hand Torch Holder		\$235
<i>Laser slotted slot support bracket (48" ea.)*</i>		<i>\$47.50</i>
<i>Upgraded Gear rack (Varies by table size)*</i>	From	<i>\$225</i>
<i>Precision Ground Steel Rails (Varies by table size)*</i>	From	<i>\$200</i>
Torchmate Specialty Services		
Custom Design Services		\$90 / hr
On-Site Setup and Training		\$2,750

Torchmate Software

<i>Torchmate CAD Software*</i>	<i>\$795</i>
Design2Fab HVAC Software	\$1,995
Rhinoceros 3D Software	\$895
RhinoCAM Toolpathing Software	\$1,000
<i>* These Items are included on all Bolt Together Systems</i>	

Call for your custom quote today!

Toll Free 866-571-1066 • International 775-673-2200

Email: sales@torchmate.com

Pricing subject to change without notice, quotes valid for 30 Days

CUSTOMER PROJECTS:



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866-571-1066 TOLL FREE

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