

MASTERPIPE™ Compact Profiler



Use plasma to cut tube products like handrails, structural frames, and nozzles with production line speed.

The optional WinMPM software has user-friendly controls to generate cut files for straight cuts, centerline offsets, T, K, & Y profiles, slots, and holes.

Economical CNC Pipe Cutting Solution

- The MASTERPIPE Compact Profiler is a two-axis, CNC pipe cutting machine capable of production cutting and profiling of pipe with an outside diameter of two to eight inches and a length of up to 25 feet, with a maximum pipe diameter of 8 inches and 1000 lbs of total weight.
- Featuring a rugged design and powered by the Torchmate® Driver Software, the MASTERPIPE Compact Profiler improves pipe fabrication productivity and quality by consolidating set-up, programming, and cutting in an easy operation. The Driver software imports DXF files from many CAD/CAM packages including the optional WinMPM software.
- The WinMPM option is easy to use and does not require highly skilled operators. An operator can just select a type of cut from a list, enter the size and angle data, and transfer the file to the Driver, where setup is quick and free from trouble.

Features

- Modular expansion—start with a five foot bed and add five foot extensions, up to 25 feet, to improve productivity by using fewer operations.
- Easy loading—one button easily moves the torch carriage near the chuck so that material can be easily and safely loaded, positioned for cutting, and unloaded.
- Consistent plasma quality and arc length—the optional Arc Voltage Height Control (AVHC) achieves cleaner cuts on pipes and tubing that is “out of round.”
- Cleaner work environment—compressed air removes smoke and fumes.
- Ve-Assist™ remote Internet diagnostics and assistance—maximizes uptime.

Configuration

- The standard MASTERPIPE uses a variable-angle, manual height-control for the plasma torch. For achieving cleaner cuts on larger diameter material that may be slightly out-of-round, the Arc Voltage Height Control (AVHC) option keeps the same arc length, and same quality, throughout the cut. An oxy-fuel attachment is an available option for material with heavy wall thickness.

Material range

- Large or small diameter material? Long or short material? The automated profiler's variable-jaw chuck handles outside diameters from one to eight inches. The smallest sized profiler has a footprint of only two feet wide and seven feet long. It rapidly finishes four foot material and by adding five-foot long extension modules, the MASTERPIPE Compact Profiler can grow to hold material of up to 24 feet in length.
- To determine cutting speed, amperage, and torch height, identify the material type and wall thickness.

Easy loading

- One button can move the torch mount so that material can be loaded and positioned for cutting. Large or small diameter pipe is supported by a set of easily adjustable ball transfer cradles that can be repositioned away from the cutting action. Adjustable gas-shock chuck supports make it easy to accurately set and lock the chuck height to ensure smooth and level rolling of different diameter material on the cradles.
- The plasma torch work-lead cable attaches directly to a permanent rotating chuck-connector to provide a "no step, no worry," positive arc current flow. You can quickly position the

torch in the manual mounting with throw lever and cam lock clamps, including an easy manual adjustment for torch bevel to decrease hand grinding and weld preparation finish work. These features all reduce the time between cutting operations and lead to real efficiency improvements.



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