



EDGEMAX

MAXIMUM PERFORMANCE, PRODUCTIVITY, AND VALUE



THE EDGEMAX PRECISION CUTTING SYSTEM

MAXIMUM PERFORMANCE, PRODUCTIVITY AND VALUE



MACHINE HIGHLIGHTS



A

GLOBAL CONTROL^S

Our exclusive CNC control is a compact touch screen with a Windows® interface. Featuring custom shape library, CAD import, true-shape nesting, multiple process database with productivity monitoring, and Virtual Service™ remote diagnostics. Easy to learn functions allow employees to become expert operators in minutes.



B

DRIVES

Digital AC amplifiers with 600-watts including brushless AC motors provide quality motion and control; 1700 IPM in all axes. Low backlash alpha planetary gearboxes in both the 'X' and 'Y'- Axis contribute to sharp corners and round holes. Hardened pinions 2.5" diameter in the 'X' and 'Y' axes efficiently transmit torque to the 1" wide gear rack.



C

BEAM

A compact machine with rugged unitized steel/table/frame full capture bearing assemblies and a high strength low mass aluminum beam.



D

DOORS

Table doors allow for easy lost part retrieval and slag removal.



E

OMNIFLOW

Operators concentrate on cutting and not costly torch setup and adjustments. Internal database makes novices experts in minutes. Less scrap and set-up time means more profit. (Optional)



OXYFUEL TURBO FLAME™ TORCH WITH SURESTOP

The Turbo Flame™ Torch is accurately positioned through the shared use of the smooth, ball-screw driven PL-1 Lifter, featuring a SureStop Collision Sensor. Cutting up to 20% faster than other torches, regardless of fuel gas used. (Optional)



PLATE MARKERS

Various marking techniques include: Plasma, Air Scribe, and Single Dot Ink Jet. (Optional)



PL-1 PLASMA LIFTER WITH SURESTOP COLLISION SENSOR

PL-1 Lifter enhances height control in plasma cutting, resulting in a higher duty cycle and better cut quality. The SureStop Collision Sensor protects the torch while cutting and joggling to prevent damage to the torch and lifter.



400 AMP HEAVY-CUTTING PACKAGE

The HPR400XD Amp plasma system pierces up to two-inches thick in mild steel. Productivity increases with faster speeds on thinner materials. Includes special heavy-duty slat frames, slats and shielding. Wrap around heat shield pictured. (Optional)



FLEX ZONE

The "Flex" in Flex Zone allows *Flexible* cutting applications outside of the table. This area can be used for vertical cutting of pipe, tube channel and I-beam, etc. (Optional)

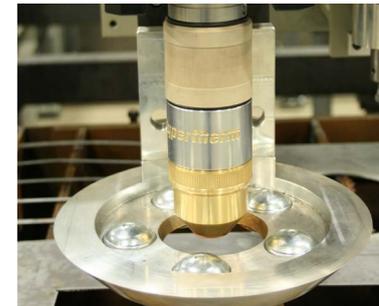


PLATE RIDER ATTACHMENT

Provides downward pressure to keep material flat during plate cutting applications. Easily removed for thick plate cutting. (Optional)



VIRTUAL SERVICE™ REMOTE DIAGNOSTICS

Remote interactive support. With a push of a button, our team of experts are able to provide remote troubleshooting, software upgrades, and expert assistance.



SENTRY SERVICE, MAINTENANCE

Our Sentry Service personnel keep machines running like new, to ensure maximum uptime, greater efficiency and low operating costs. (Optional)

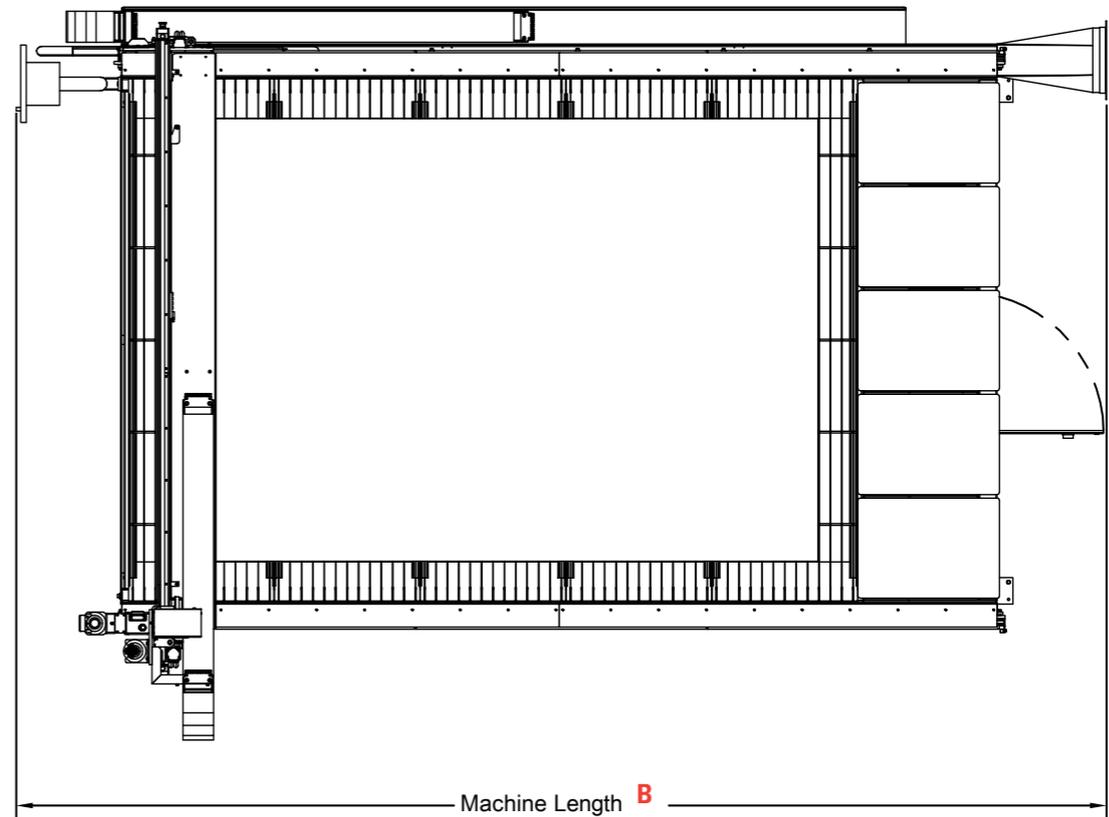
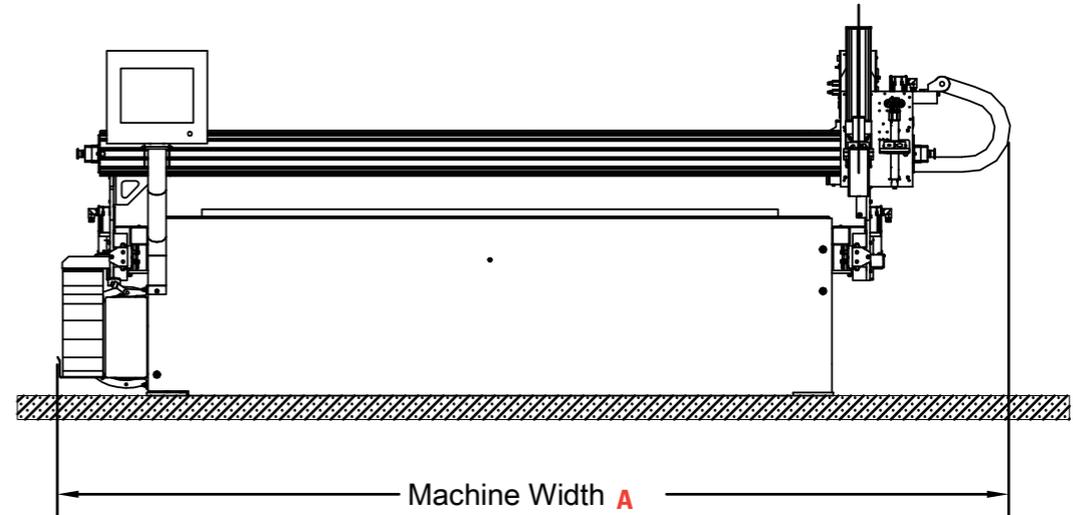
THE EDGEMAX

Messer Cutting Systems EdgeMax is a compact machine with rugged unitized steel table/frame, full capture bearing assemblies and a low-mass aluminum beam driven by dual brushless AC motors. The EdgeMax provides fast acceleration, precise motion and a stable cutting platform. From precision plasma, conventional plasma or low power plasma, the easy to use touch screen interface with Messer's Global Control^S can be configured to provide custom solutions for plate cutting. Optional accessories may be added to customize the EdgeMax.

Water table option available.

EDGEMAX MODEL MEASUREMENTS

Model	A Machine Width	B Machine Length	Tool Coverage
EdgeMax 6' x 12'	135"	239"	6' x 12' Plate
EdgeMax 6' x 24'	135"	400"	6' x 24' Plate
EdgeMax 8' x 12'	159"	239"	8' x 12' Plate
EdgeMax 8' x 24'	159"	400"	8' x 24' Plate
EdgeMax 10' x 12'	183"	239"	10' x 12' Plate
EdgeMax 10' x 24'	183"	400"	10' x 24' Plate



STANDARD FEATURES

- Cutting widths 6', 8', 10'.
- Cutting lengths 12' or 24'.
- Cut 26 gage to 2.5" thick plate.
- Cuts mild steel, stainless steel and aluminum.
- Positioning speeds 1,700 IPM.
- Unitized construction with levelers for quick installation.
- PL-1 Lifter with SureStop Collision Sensor.
- Removable slat frames and rigid wave-lock slats provide a solid and stable cutting surface.
- Table doors allow for easy lost part retrieval and slag removal.
- Ducted table with damper-controlled zones for dust and smoke removal.
- Global Control^S a Windows[®] based operating system with easy to use operator interface with touchscreen.
- Left or right hand mounted control that swivels and tilts for operator comfort.
- Twenty home positions for multiple start points and lost cut recovery reposition to any pierce point.
- Virtual Service[™] remote consultation and diagnostics.
- Designed and manufactured in the USA to machine tool and ISO 230-2 standards.
- UL/CUL.

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OPTIONAL FEATURES

- Water Table.
- Precision plasma up to 400 amps.
- Turbo Flame[™].
- Advanced gas cutting with oxyfuel technology with Omniflow Automated Gas Regulation System.
- Plasma auto gas console.
- Plasma and oxyfuel station outlet equipment.
- Manual Plasma Stripping Bevel Unit for the X-Axis.
- Plate Rider attachment.
- Various plate markers: Plasma, Air Scribe, and Single Dot Ink Jet.
- Flex Zone, for tube and structural steel cutting.
- Digital Video Camera.
- Laser Pointer.
- Global Reporter.
- Programming and nesting software.
- Plasma Air Booster.
- Operator glare shield.
- Vertical Pipe and Tube Cutting.
- Messer dust collector system.
- Spark Trap.
- Sentry Service Preventative Maintenance Program.
- Visual Service adds the sense of height to the trouble shooting process.

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