

# MACHINE OPTIONS

A complete guide of superior, industry-leading equipment at the forefront of cutting technology.



# ABOUT MESSER

Global Footprint with Local Expertise

## ABOUT MESSER CUTTING SYSTEMS, INC.

We are a leading global provider of solutions for the metal working industry. Our oxyfuel, plasma, and laser cutting systems are designed to provide our customers with the ability to achieve success through high quality products as well as productive and flexible solutions.

To provide the most value, we team up with customers and partners to develop and test cutting-edge technology under real-life conditions so that our customers worldwide can benefit from the best solutions when it comes to our machines, software, and service.

Our customers and their needs are at the center of all of Messer Cutting Systems' developments. We like to consider ourselves as your complete "solution provider" from first contact with our sales team, to our after-sales service and robust service support.

## OUR GUIDING PRINCIPLES

Our aspiration is to be the worldwide leading solutions provider of thermal cutting systems.

Since 1898, our top priority has been to create value for our customers, to help them grow and innovate, and to improve productivity and quality.

As a loyal partner, we firmly believe that our success is our customer's success.

## OUR CORE VALUES

### CUSTOMER FIRST

- We see the world through our customers' eyes.
- We actively listen and understand our customer needs.
- We help make our customers more competitive.
- We nurture customer relationships to become loyal partners.

### ACCOUNTABILITY

- We honor our commitments.
- We deliver measurable results.
- We are responsible for our actions.
- We have the courage to hold others accountable.

### INNOVATION

- We are curious and challenge state-of-the-art.
- We continuously develop our expertise.
- We balance structure and agility in our methods.
- We deliver customer value-added solutions.

### CONTINUOUS IMPROVEMENT

- We encourage and embrace change.
- We constantly challenge and improve our processes.
- We seek out opportunities to eliminate waste.
- We validate our progress based on facts.
- We turn our mistakes into positive change.

### LEADERSHIP EXCELLENCE

- We inspire as role models and servant leaders.
- We are relentlessly committed to delivering results.
- We take calculated risks, learn from failures and celebrate success.
- We drive performance through clear and ambitious goal setting.
- We motivate through open communication and actionable feedback.



# MACHINE OPTIONS

Our Complete Line of Machine Options

## PLASMA SYSTEMS



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## BEVELING



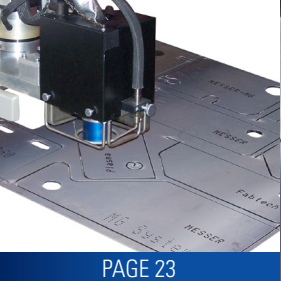
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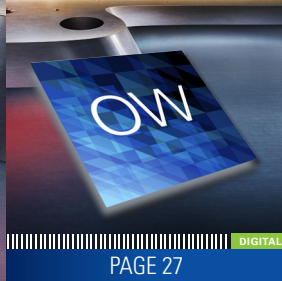
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# PLASMA SYSTEMS

Cutting-Edge Plasma Systems Offered by Messer Cutting Systems



# HYPERTHERM®

A Hypertherm Associates Brand







## PLASMA SYSTEMS

### POWERMAX 125

The Powermax125 plasma cutter is your ultimate solution for efficient metal cutting. It outpaces oxyfuel by cutting 1/2-inch mild steel five times faster, and reduces grinding and preparation time.

With a 100% duty cycle and Smart Sense™ technology for gas pressure adjustment, it ensures uninterrupted work. The system's extended consumable life and electrode end-of-life detection translate to lower operating costs.

Designed for durability, it's Hypertherm Certified™ for reliability in demanding environments. With this system, you'll achieve maximum productivity, ease of use, and cost-efficiency, making it an indispensable tool for your cutting needs.

### POWERMAX125 FEATURES

- + **Cut Capacity:** 1 1/2" (38mm)
- + **Severance:** 2 1/4" (57mm) @ 5 IPM
- + **Pierce Capacity:** 1" (25mm)
- + **100% Duty Cycle:** Continuous, uninterrupted operation.
- + **Smart Sense™ Technology:** Automatic gas pressure adjustment.
- + **Cost-Efficient Maintenance:** Extended consumable life.



## PLASMA SYSTEMS

### MAXPRO 200

The MAXPRO200® LongLife® plasma system is designed for heavy-duty cutting tasks. Compatible with air, oxygen, or nitrogen plasma gas, it offers lightning-fast cutting speeds and a 100% duty cycle for uninterrupted operation in demanding environments.

Automatic settings and advanced diagnostics simplify operation through serial communication. With patented consumable designs and advanced technologies, it reduces operating costs while maintaining high-quality cuts. Boasting a streamlined architecture with 50% fewer parts than competitors and rigorous quality standards, the MAXPRO200 ensures reliability and cost-effective, high-productivity performance in cutting applications.

### MAXPRO 200 FEATURES

- + **Cut Capacity:** 3/4" (20mm) (Mild Steel)
- + **Severance:** 3" (75mm) (Mild Steel)
- + **Pierce Capacity:** 1 1/4" (32mm) (Mild Steel)
- + **Heavy-Duty Capability:** Ideal for intense tasks.
- + **Fast Cutting Speeds:** Ensures rapid operation.
- + **100% Duty Cycle:** Uninterrupted, reliable performance.

# XPR SERIES

X Definition Plasma Technology

The XPR plasma cutting technology redefines cut quality and efficiency, providing remarkable performance on mild steel, stainless steel, and aluminum. The XPR series consistently delivers ISO range 2 quality on thin mild steel and extends to ISO range 3 on thicker materials, guaranteeing precision and versatility with every cut.

The XPR series optimizes operations by reducing operating costs, increasing cut speeds, and extending consumable life, particularly on mild steel.

For precision cutting across various materials, the XPR series plasma systems are the ultimate choice in precision cutting applications.

## XPR170



<b>Mild steel</b>	<b>mm</b>	<b>inches</b>
Pierce capacity (argon-assist shield gas)	40	1–9/16
Pierce capacity (standard air shield gas)	35	1–3/8
Severance	60	2–3/8
<b>Stainless steel</b>		
Pierce capacity	22	7/8
Severance	38	1–1/2
<b>Aluminum</b>		
Pierce capacity	25	1
Severance	38	1–1/2

## XPR300



<b>Mild steel</b>	<b>mm</b>	<b>inches</b>
Pierce capacity (argon-assist shield gas)	50	2
Pierce capacity (standard air shield gas)	45	1–3/4
Severance	80	3–1/8
<b>Stainless steel</b>		
Pierce capacity	38	1–1/2
Severance	75	2–3/4
<b>Aluminum</b>		
Pierce capacity	38	1–1/2
Severance	50	2

## XPR460



<b>Mild steel</b>	<b>mm</b>	<b>inches</b>
Pierce capacity (argon-assist shield gas)	64	2–1/2
Pierce capacity (standard air shield gas)	50	2
Severance	90	3–1/2
Severance (argon-assist shield gas)	100	4
<b>Stainless steel</b>		
Pierce capacity	38	1–1/2
Pierce capacity (argon-assist shield gas)	63	2–1/2
Severance	90	3–1/2
Severance (argon-assist shield gas)	130	5
<b>Aluminum</b>		
Pierce capacity	38	1–1/2
Pierce capacity (argon-assist shield gas)	50	2
Severance	90	3–1/2



# XPR CONSOLES

The Complete Line of Hypertherm XPR Consoles



## XPR CORE CONSOLE

- + Core™ enhances XPR® cutting systems.
- + Offers CNC-controlled X-Definition capability.
- + Mild steel, stainless steel, and aluminum using H2, Ar, and N2 gases.



## XPR CORE PLUS CONSOLE

- + CorePlus™ enhances XPR® cutting systems.
- + Adds argon gas for mild steel.
- + Improved mark quality with argon.
- + Enhanced piercing for thicker material.
- + Offers CNC-controlled X-Definition capability.



## XPR VWI CONSOLE

- + All CorePlus console capabilities.
- + Vented water injection technology improves non ferrous cutting quality.
- + Enhanced stainless steel and aluminum cutting capabilities.



## XPR OPTIMIX CONSOLE

- + All VWI console capabilities plus three gas mixing.

# HPR SERIES

The HyPerformance HPR plasma systems are a powerhouse of benefits, designed for maximum performance in cutting operations. This series offers superior cut quality and consistency, thanks to HyDefinition® and HDi™ technologies, delivering precision cutting on a wide range of materials, including thin stainless steel. Patented True Hole™ technology ensures hole quality beyond previous plasma capabilities.

Industry-leading reliability, simple architecture, and rigorous quality standards make the HPR series plasma systems a dependable choice for demanding applications.



## HPR400XD

<b>Mild steel</b>	<b>mm</b>	<b>inches</b>
Production Pierce	50	2
Maximum Cutting Capacity	80	3-1/4
<b>Stainless steel</b>		
Production Pierce	45	1-3/4
Maximum Pierce	75	3
Maximum Cutting Capacity	80	3-1/4
<b>Aluminum</b>		
Production Pierce	38	1-1/2
Maximum Cutting Capacity	80	3-1/4

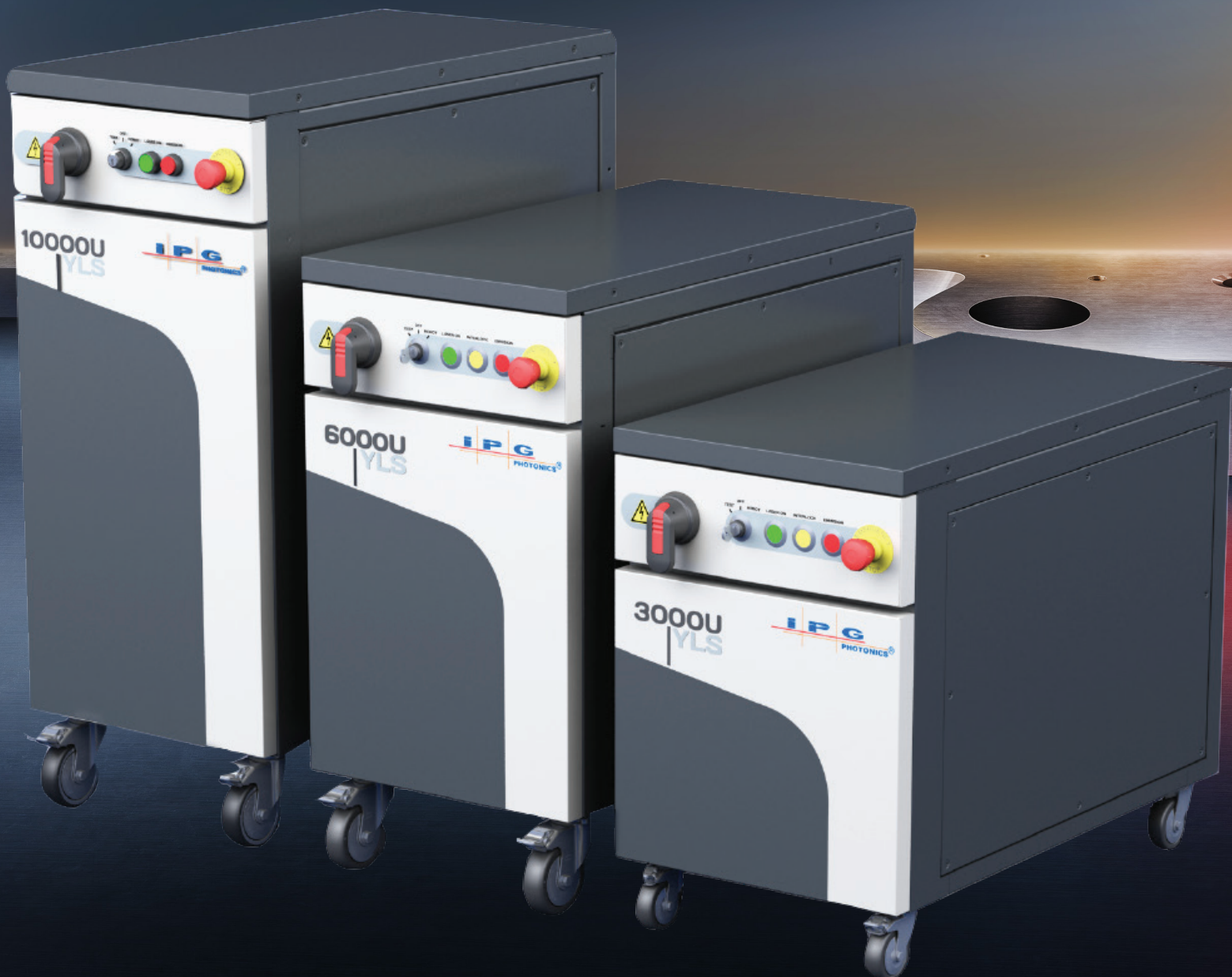
## HPR800XD

<b>Mild steel</b>	<b>mm</b>	<b>inches</b>
Production Pierce	50	2
Maximum Cutting Capacity	80	3-1/4
<b>Stainless steel</b>		
Production Pierce	75	3
Maximum Pierce	100	4
Maximum Cutting Capacity	160	6-1/4
<b>Aluminum</b>		
Production Pierce	75	3
Maximum Cutting Capacity	160	6-1/4



# LASER SYSTEMS & OPTIONS

Cutting-Edge Plasma Systems Offered by Messer Cutting Systems





## LASER SYSTEMS

### IPG LASER SYSTEMS

Messer Cutting Systems has partnered with IPG Photonics, a leader in the industry with its advanced laser systems, offering a range of high-power solutions.

These systems are renowned for their unparalleled efficiency, precision, and reliability in various applications.

They are designed to meet the demands of diverse cutting, and material processing needs.

The fiber laser systems exemplify IPG's commitment to innovative technology, delivering exceptional performance with lower operating costs and enhanced productivity.

Ideal for both complex industrial tasks and refined applications, IPG's laser systems set the benchmark in the laser technology sphere. Various cutting thicknesses available, please contact your Messer Cutting Systems representative for more information.

### LASER FEATURES

- + **Laser Beveling:** Pioneering in laser technology.
- + **High Pressure Nitrogen Speed.**
- + **Unmatched Productivity:** Superior performance, lower costs on mild and stainless steel applications.
- + **Improved Accuracy:** Smaller features and improved tolerances compared to other cutting technologies.



## LASER SYSTEMS

### PROCUTTER 2.0

The Precitec ProCutter 2.0 Laser Cutting Head represents the pinnacle of laser cutting technology.

It's designed for rapid, efficient operations with intelligent auto-focus that speeds up machine setup and reduces piercing time. Two high cutting speeds are maintained at any operating temperature, thanks to a water cooling system and a sealed beam path to guard against contamination.

The head features a cartridge replacement system with protective window monitoring.

Enhanced with Bluetooth® for displaying diagnostic information for the cutting head and height sensing system, it ensures optimal cut quality at high speeds.

### PROCUTTER 2.0 BENEFITS

- + **Intelligent Autofocus:** Fast setup, reduced piercing time.
- + **Advanced Cooling:** Integrated water cooling system.
- + **Precitec Height Sensing:** Precitec EG8050 for quality cuts.
- + **Flexible Focal Length:** 150mm or 200mm available based on application.

*\*Bevel-U requires 200mm focal length.*





## LASER SYSTEMS

### ZOOM 2.0

The Precitec Procutter Zoom 2.0 head is engineered for maximum versatility and efficiency.

With a maximum laser power of 12kW and adjustable magnification from 1.2x to 4.0x, the Zoom 2.0 provides the user with optimal cutting speeds across a wider range of material thickness.

The combination of its advanced design and re-engineered cutting gas flow ensures superior cutting results in both speed and quality.

This head integrates intelligent auto-focus for rapid setup, operates effectively at all temperatures, and includes a comprehensive water cooling system, sealed beam path, and several safety and performance-enhancing features.

### ZOOM 2.0 BENEFITS

- + **Max Laser Power:** 12 kW capacity.
- + **Variable Magnification:** 1.2x to 4.0x steps.
- + **Focal Adjustment Range:** +15mm to -30mm.
- + **Intelligent Autofocus:** Speeds up setup, reduces piercing time.
- + **Micro-Dust Sealed Beam Path:** Ensures clean operation.
- + **Precitec Height Sensing:** Maintains constant height for quality cuts.

*\*Not compatible with the Bevel-U.*



## LASER SYSTEMS

### LASER NOZZLE CONTROL

The Laser Nozzle Control (LNC) by Messer Cutting Systems is a comprehensive automation solution around the cutting nozzle, crucial for laser cutting quality.

The LNC assists in beam centering, nozzle inspection, and cleaning process. The LNC also automatically changes the nozzle in the cutting head from one up to 16 nozzles stored within the LNC.

The LNC offers significant benefits, including automated setup with defined quality criteria, height calibration, reduced setup times, tool management with production line interfaces to prevent downtime, and efficient reporting of warnings, errors, and unplanned restarts.

### LNC BENEFITS

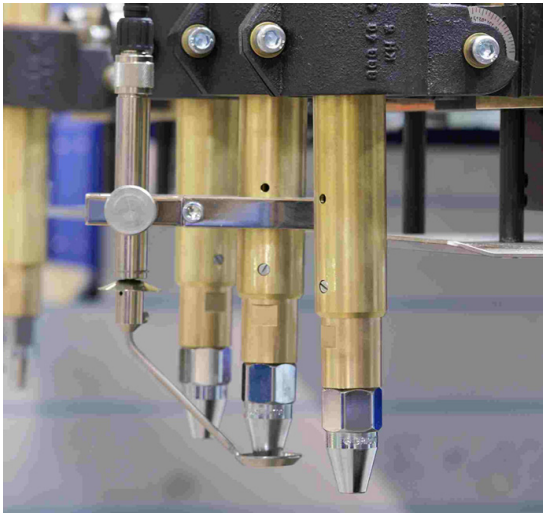
- + **Reduced Operator Involvement:** The LNC greatly reduces the need for operator involvement.
- + **Integrated Tool Management:** Prevents downtime, enhances productivity.
- + **Enhanced Calibration:** Height calibration and brass wire brush for nozzle cleaning.
- + **Nozzle Maintenance:** Automatic cleaning, extending nozzle life.
- + **Advanced Imaging:** Inspects and confirms beam centering and nozzle alignment.

# BEVELING OPTIONS

Cutting-Edge Oxyfuel, Plasma, and Laser Torches and Bevelers offered by Messer Cutting Systems







OXYFUEL TORCHES

## TURBOFLAME™

The TurboFlame™ Oxyfuel torch, is available on almost all Messer machines. The TurboFlame™ Torch is versatile, safe, can be used with all fuel gases, and designed to prevent flashbacks even when piercing heavy, thick materials. It is ruggedly constructed from materials including chrome plated nozzles and nozzle nuts to guarantee long torch life.

Turbo Flame's safe design prevents flashbacks when piercing thick material and when the nozzle is accidentally hit by the work piece. Check valves are included with each torch.

The cutting capacity of the torch extends from 1/8" to 12" material simply by changing the cutting nozzles and nozzle nut.

**Torch Types:** 10" and 18" long torches for general profile cutting.

The Turbo Flame™ has three inlet hoses for independent control of piercing and cutting oxygen.

## TURBOFLAME™ BENEFITS

- + **Cuts up to 20% faster:** than other torches.
- + **Uses Any Fuel Gas:** with no change in cut speed or quality.
- + **Lower Oxygen Consumption:** for utility savings.
- + **High Quality Parts:** can be pierced and cut when the Omniflow gas regulation system is used to control the torch gases.
- + **Long Lasting Nozzles.**



OXYFUEL TORCHES

## ALFA TORCH

The ALFA Oxyfuel torch, expertly developed by Messer Cutting Systems, elevates the standard in oxyfuel cutting with its innovative and efficient design.

It features advanced internal height sensing and auto-ignition, significantly streamlining the cutting process.

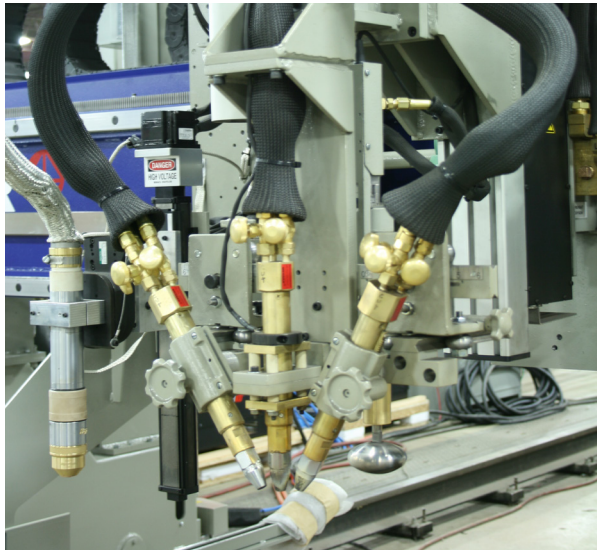
The torch's design facilitates tool-free nozzle changes, effectively eliminating the risk of misalignment and substantially reducing setup times.

Its cutting-edge magnetic height sensing is completely integrated within the torch, removing the need for external components and ensuring consistent performance even in challenging environments with slag, mill scale, and moisture.

## ALFA BENEFITS

- + **Integrated Height Sensing:** Internal system with no external parts.
- + **Tool-Free Nozzle Changes:** Eliminates misalignment, reduces setup time.
- + **Reliable in Adverse Conditions:** Unaffected by slag, mill scale, or moisture.
- + **Optimal Material Utilization:** Effective cutting up to plate edge.
- + **Easy-to-Use Digital Display:** Shows current operating status.





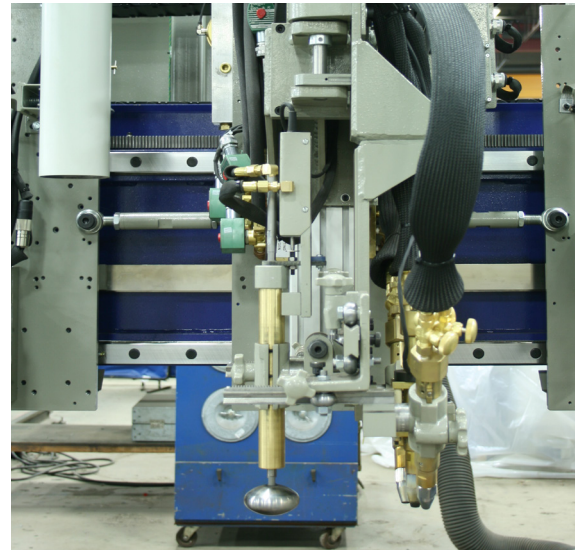
## OXYFUEL BEVEL CUTTING

### SINGLE POSITION

The Single Position Oxyfuel Bevel Unit, is a manually controlled tool ideal for straight line bevels in the X-axis, efficiently cuts V, Y, or K cross-sections in one pass.

Key features include adjustable bevel angles up to 45°, with torches that can vary from several inches apart.

Manually positioned to accommodate plate rider for various bevel geometries ensures precise height control along the plate, even when running off the edge, maintaining consistent cut quality.



## OXYFUEL BEVEL CUTTING

### THREE POSITION

The Triple Torch Oxyfuel Bevel Unit is a manually adjustable tool for straight line bevels, featuring manual gas adjustment and ignition.

It excels in weld preparation and plate squaring, capable of making V, Y, or K cross-section cuts in one pass.

Designed for longitudinal (X-axis) and end-of-plate (Y-axis) bevel cuts, it can be manually rotated  $\pm 90^\circ$ .

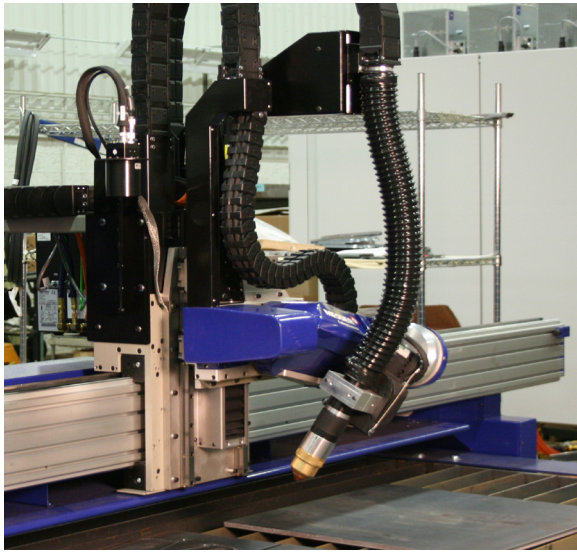
Key features include bevel angles up to 45°, adjustable torch positions for varying material thicknesses, and an electromechanical height sensor ensuring consistent cutting height, even when running off the plate.

## SINGLE POSITION BENEFITS

- + **Manual Adjustment:** Manually adjusted for straight-line bevel cuts.
- + **X-Axis Bevels:** Designed for bevel cuts in the X axis.
- + **Versatile Cross Sections:** Creates V, Y, or K cross sections in one pass.
- + **Accurate Height Sensing:** Ensured with an electromechanical device.
- + **Bevel Angles:** Offers bevel angles up to 45°.

## THREE POSITION BENEFITS

- + **Triple Torch Unit:** Offers precise gas control and ignition.
- + **Height Sensing:** Achieved via an plate rider device.
- + **Weld Preparation:** Produces weld preparation edges and plate squaring in one pass.
- + **Versatile Bevels:** Create V, Y, or K bevels with adjustable torch spacing.
- + **Manual Rotation:** Bevel in the X or Y axis with consistent height.
- + **Material Thickness:** Suitable for various material thicknesses.



## PLASMA BEVEL CUTTING

### BEVEL-R

The Bevel-R® is a 5-Axis plasma bevel cutter tailored for processing weld preparations on compact machines.

Designed for flexibility, it achieves +/-45° cuts, enabling V, X, and Y bevels on simple shapes and straight cuts. Its AC servo drives ensure power and precision with minimal maintenance.

The units boast integrated collision protection and swift torch alignment post-collision. Torch height is regulated via arc voltage, optimal cutting accuracy.

Rapid changes, from 0° to 45° in mere seconds, combined with a 10.24" stroke, make the Bevel-R® a versatile addition to machines like the MetalMaster Evolution and the MetalMaster Xcel.

### BEVEL-R® BENEFITS

- + **+/-45° Cut Capability:** V, X, Y bevels.
- + **Reliable AC Servo Drives:** Power and precision.
- + **Integrated Collision Protection:** Ensures safety of machine and operators.
- + **Swift Torch Alignment:** Post-collision adjustment.
- + **Torch Height Regulation:** +/- .006" accuracy.
- + **Rapid Adjustments:** 0° to 45° in seconds.



## PLASMA BEVEL CUTTING

### DELTA<sup>e</sup>

The Global Rotator Delta-e, paired with OmniBevel software, offers superior cut quality. It's tool center point, allows for processing for smaller bevels such as plow bolts and counter sunk beveling holes.

Cutting precise bevels from +45° to -45°, it integrates seamlessly with the Global Control Plus. Its rotation of +/- 460° at 50 RPM ensures efficient torch use. Torch height adjusts automatically.

It's a versatile cutting tool compatible with Titan III and TMC4500 DB gantry machines, and the MetalMaster Xcel unitized cutting machine.

### DELTA<sup>e</sup> BENEFITS

- + **Wide Bevel Cutting Range:** +45° to -45°.
- + **Automatic Control:** Global ControlPlus.
- + **High Rotation Speed:** +/- 460° at 50 RPM.
- + **Robust Compact Design:** Ensures durability and efficiency.
- + **OmniBevel Software Integration:** Enables precise cuts.
- + **Minimized Torch Risk:** with a magnetic collision sensor breakaway.





## PLASMA BEVEL CUTTING

### BEVEL-S

The New Plasma Bevel-S, tailored for the Element 400 platform, is designed to make intricate contours, holes, and precision seam prep welding bevels.

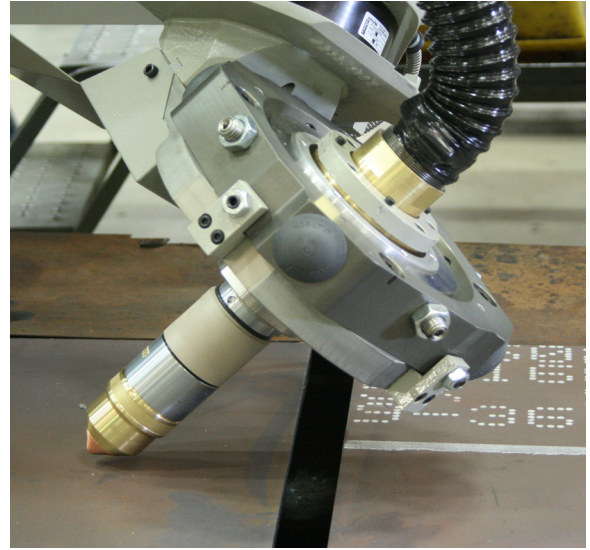
Offering unmatched flexibility, it can achieve bevel cuts from  $+45^\circ$  to  $-45^\circ$ .

Managed by Global Connect, the setup time for preparatory tasks is significantly reduced. With a high-acceleration rotation of  $\pm 540^\circ$ , machine efficiency peaks. To ensure optimal outcomes, torch height adjusts automatically during cutting, leveraging arc voltage.

The torch's design prioritizes functionality and material durability, offering benefits like a compact frame maximizing working width and lightweight construction for dynamic performance.

## BEVEL-S BENEFITS

- + **New Plasma Bevel-S:** Designed for ELEMENT 400 platform.
- + **Precise Bevel Cuts:** Angular range  $+45^\circ$  to  $-45^\circ$ .
- + **Global Connect Control:** Streamlines preparatory work.
- + **High-Acceleration Rotation:**  $\pm 540^\circ$  for maximum efficiency.
- + **Automatic Torch Height Control:** Ensures precision.



## PLASMA BEVEL CUTTING

### INFINITY ROTATOR

The Skew Infinity Rotator is a game-changer in advanced beveling. With its capability of continuous rotation, it can cut bevel profiles on almost any contour.

This system excels in crafting bevels for welding or active edges. AC drives ensure high performance, making it the most successful plasma bevel cutting head. Its Compound Skew Axis System enhances flexibility and productivity.

With infinite C-axis rotation at 75 RPM, it reduces cutting and programming time while maintaining part accuracy through automated torch height control. This state-of-the-art tool can achieve bevel angles from  $+45^\circ$  to  $-45^\circ$ .

## INFINITY ROTATOR BENEFITS

- + **Accurate Bevel Cutting:** Precision non-vertical bevel profiles.
- + **Global ControlPlus Integration:** Simplified control and height adjustment.
- + **Versatile Applications:** Ideal for weld preparation and active edges.
- + **High-Performance AC Drives:** Ensures efficient and accurate cutting.
- + **Collision Prevention Design:** Minimizes risks during cutting.





#### PLASMA BEVEL CUTTING

## MANUAL PLASMA STRIPPING BEVEL UNIT

The Manual Plasma Bevel Unit is designed for occasional X-Axis bevel cuts up to +/-45 degrees.

Users manually adjust the unit to the desired angle and verifies height. Although the torch must be manually positioned with auto height off for the correct pierce height, once the arc is initiated and the machine moves longitudinally, auto height sensing activates.

The unit includes four adjustable stop-blocks to streamline setup between jobs.

## MANUAL PLASMA BEVEL UNIT BENEFITS

- + **Manual Adjustment:** Bevel cuts to +/-45 degrees in X-Axis.
- + **Manual Torch Positioning:** Auto height off for pierce height.
- + **Auto Height Activation:** Post-arc establishment, longitudinal motion.
- + **Removable Stop-Blocks:** Four sets for quick job setup.
- + **Piercing on Scrap Material:** Pre-cut preparation.



#### LASER BEVEL CUTTING

## BEVEL-U

The Bevel-U bevel unit is specifically crafted for the laser process, delivering bevels ranging between +50° and -50° on workpieces. It seamlessly adjusts the bevel angle during laser cutting, facilitating edge shapes like I, V, Y, X, and K for subsequent welding.

The control does the work for you it dynamically optimize cutting capacity by automatically adjusting parameters based on the bevel geometry. Bevel angles vary based on material thickness, and laser power. This design ensures precision in producing repeatable bevel parts.

## BEVEL-U BENEFITS

- + **Adjustable Bevel Angle:** Continuous during cutting.
- + **Variety of Edge Cuts:** Supports I, V, Y, X, K.
- + **Cutting Angles:** Depends on material type, thickness, and laser power.
- + **Precise, Repeatable Cuts:** With unique design.
- + **Automatic Test/Calibration:** Post-nozzle change.

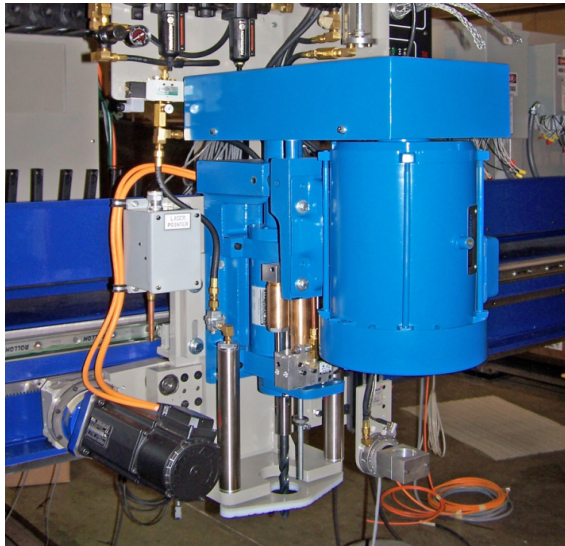


# DRILLING OPTIONS

Cutting-Edge Plasma Systems Offered by Messer Cutting Systems







## DRILL SYSTEMS

### ELECTRIC DRILL

The Electric Drill enhances the efficiency of plasma and oxyfuel cutting by allowing form work on a single piece in just one handling. This ensures precise feature-to-feature alignments within each piece and across different parts.

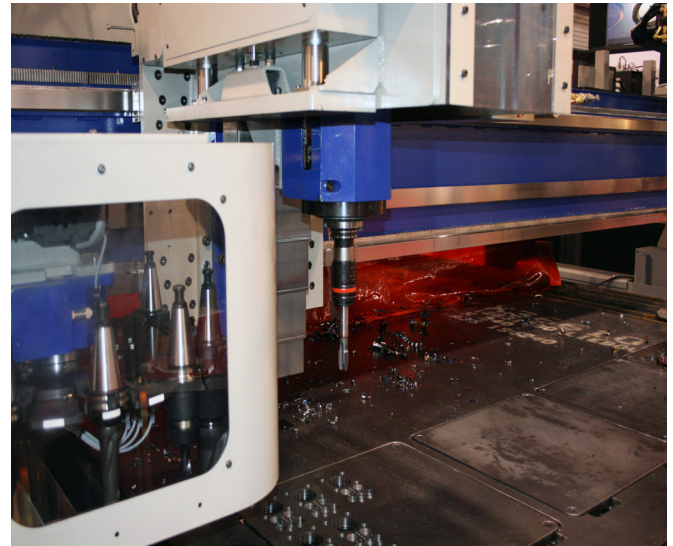
A mist lubrication unit, strategically mounted on the drill station, ensures reliable drilling and mitigates tool breakage.

The four-inch drill stroke is partially feed-rate controlled to further enhance reliability.

To maximize operator efficiency, drill “start” and “stop” commands are automatically executed by the part program. Specifically, the MetalMaster Evolution accommodates drills up to 3/8” diameter, while the MetalMaster Xcel and Titan III support up to 1/2” diameter drills.

### ELECTRIC DRILL BENEFITS

- + **Enhances Plasma/Oxyfuel Efficiency:** With integrated drilling.
- + **Mist Lubrication Unit:** Reduces tool breakage.
- + **Feed-Rate Controlled Stroke:** 4-inch for reliability.
- + **Automated Drill Commands:** For operational efficiency.
- + **Compatibility:** EVO supports drills up to 3/8” diameter. Xcel & Titan III support up to 1/2” diameter drills.



## DRILL SYSTEMS

### MD200

(2” DRILL)

The optional drill feature enhances plasma and oxyfuel cutting.

This single-handling process ensures accuracy within pieces and between different parts. It can drill up to 2” (50.8 mm) diameter using 36 HP and tap up to 1”.

For user convenience, there’s mist coolant through the tool, with an alternative flood coolant option. Its 4” (101.60 mm) drill stroke is feed-rate controlled, minimizing tool breakage.

The device employs a CAT 40 taper spindle and offers an optional 12-tool storage with auto tool exchange.

### MD200 BENEFITS

- + **Drilling Capacity:** Up to 2” diameter, 36 HP.
- + **Tapping Capability:** Efficient up to 1”
- + **Coolant Options:** Mist and flood available.
- + **Controlled Drill Stroke:** 4” with feed-rate control.
- + **CAT 40 Taper Spindle:** For precise drilling.
- + **Optional Auto Tool Exchange:** 12-tool storage available.





## DRILL SYSTEMS

### MD250

(2 1/2" DRILL W/ CHIP EXTRACTION)

The MD250 seamlessly integrates an optional drilling feature with plasma and oxyfuel cutting.

This design efficiency allows intricate operations on a part in just one step, guaranteeing precision within a piece and across different components.

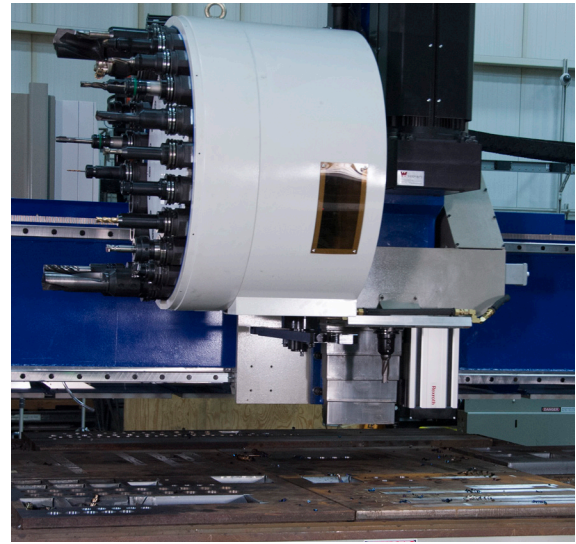
Activated either through a CNC command or manually, the MD250's 2.5" drill unit is supported by clamps that ensure stability during drilling.

The system maintains optimal tool settings, like speed and feed per revolution, using an in-built database.

With its capacity to drill up to 2.5" in 6" steel and tap up to 1 1/2", the MD250 boasts an outstanding 49.8 HP peak power.

### MD250 BENEFITS

- + **CNC or Manual Activation:** Flexible control modes.
- + **Stable Four-Inch Drill:** Supported by robust clamps.
- + **Optimized Tool Settings:** Database-maintained speed and feed.
- + **Drilling Capacity:** Up to 2.5" in 6" steel.
- + **Tapping Functionality:** Capable up to 1 1/2".



## DRILL SYSTEMS

### MD400

(4" DRILL)

The MD400 offers a streamlined solution for various cutting needs. Combining optional drilling with plasma and oxyfuel cutting, it maximizes output in one handling, ensuring precise alignments within and across pieces.

Easily activated via CNC or manually, its robust hold-down clamps secure plates throughout the drilling cycle. With a database maintaining cutting speed and feed, it promises consistent performance.

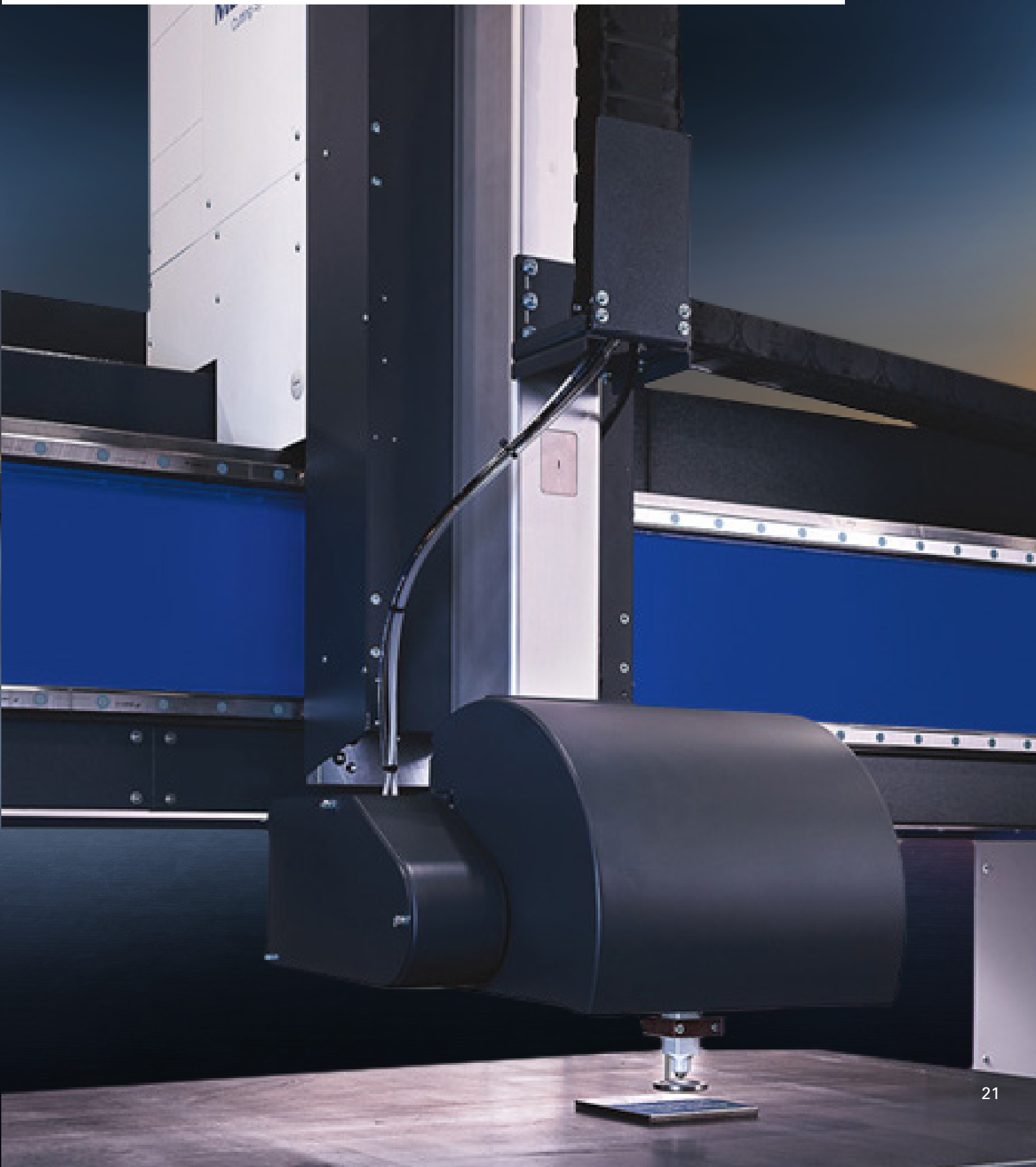
Key benefits include drilling up to a 4" diameter on 4" thick mild steel, tapping capabilities up to 1 1/2", and a powerful 65 HP performance. Furthermore, its mist coolant feature, with an option for flood coolant, guarantees efficient and straightforward drilling.

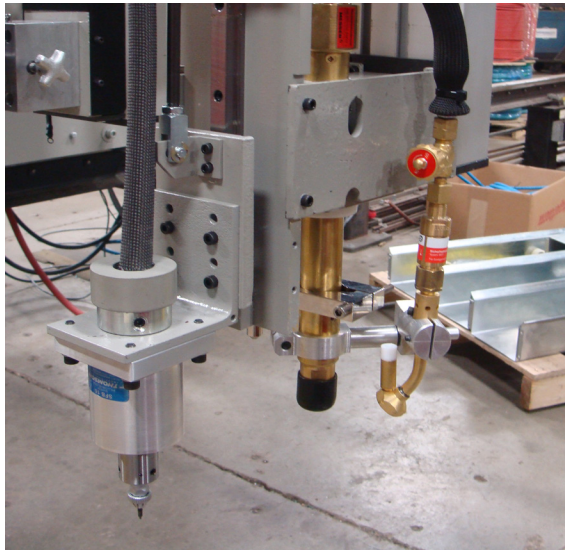
### MD400 BENEFITS

- + **Combines Drilling and Cutting:** Plasma, oxyfuel options.
- + **Maximized Output:** Precise alignment, single handling.
- + **CNC or Manual Activation:** Versatile operation modes.
- + **Database-Controlled:** Consistent speed and feed.
- + **4" Diameter Drilling:** On 4" thick mild steel.

# MARKING OPTIONS

Cutting-Edge Plasma Systems Offered by Messer Cutting Systems





## MARKING SYSTEMS

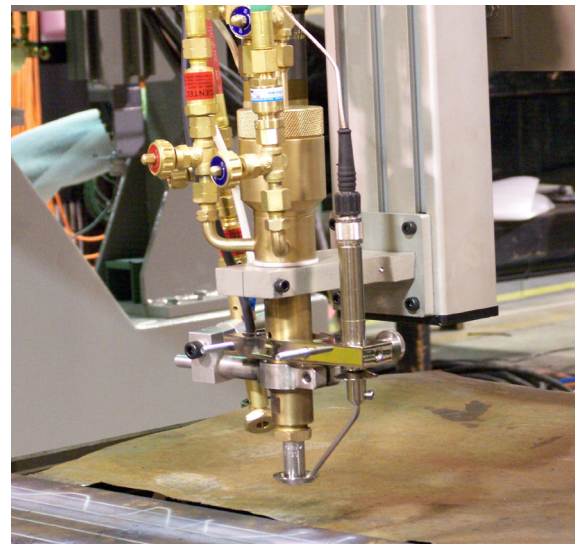
### AIRSCRIBE

The Air Scribe employs a reciprocating pin for precise marking on materials like mild steel, stainless steel, and aluminum, making it suitable for a range of thicknesses, especially gage thickness. It utilizes a v-groove slide with spherical bearings for secure mounting and accurate offsets to various cutting tools. Controlled by a pneumatic cylinder and supported by sleeve bearings, it enables gentle, controlled motion during tool placement, allowing it to “float” while marking.

Key features include its lightweight design with an economical air consumption of under 1 CFM. It boasts a robust carbide-tipped point and easy-to-change marking tip. It is compatible with many machine models, excluding the MetalMaster 3.0 and SicoMat®.

### AIR SCRIBE BENEFITS

- + **Reciprocating Pin Mechanism:** Marks a range of materials.
- + **Versatile for Thicknesses:** Ideal for gauge thickness steel.
- + **V-Groove Slide Mounting:** Ensures precise tool positioning.
- + **Pneumatic Cylinder Control:** Smooth, controlled marking motion.
- + **Floating Feature:** Gentle during marking.
- + **Lightweight, Economical:** Low air consumption under 1 CFM.



## MARKING SYSTEMS

### ZINC POWDER

The Zinc Powder marking torch uses a heating flame to melt zinc powder, creating semi-permanent lines on workpieces. Powder is stored in a reservoir atop the torch.

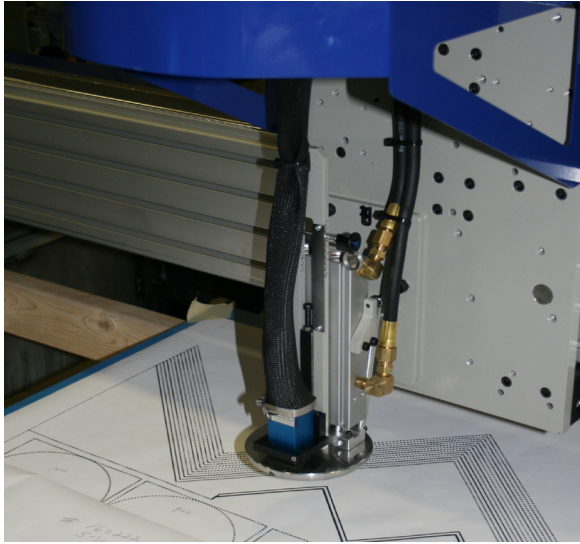
Preheat oxygen directs the powder through ports into a stainless steel tube and onto the plate, where it bonds to the metal. It produces 1 mm wide lines at maximum machine traverse speed.

The torch can create alphanumeric text and layout lines, eliminating manual secondary operations. Zinc powder creates silver lines on mild steel, while colored powder offers high-contrast lines on stainless steel and aluminum. Lines can be continuous or intermittent.

### ZINC POWDER BENEFITS

- + **Zinc Powder Torch:** Melts zinc for semi-permanent lines.
- + **Reservoir Storage:** Powder held atop torch.
- + **1 mm Wide Lines:** At maximum machine speed.
- + **Alphanumeric and Layout Lines:** Reduces manual operations.
- + **Color Options:** Silver on mild steel, high-contrast on others.





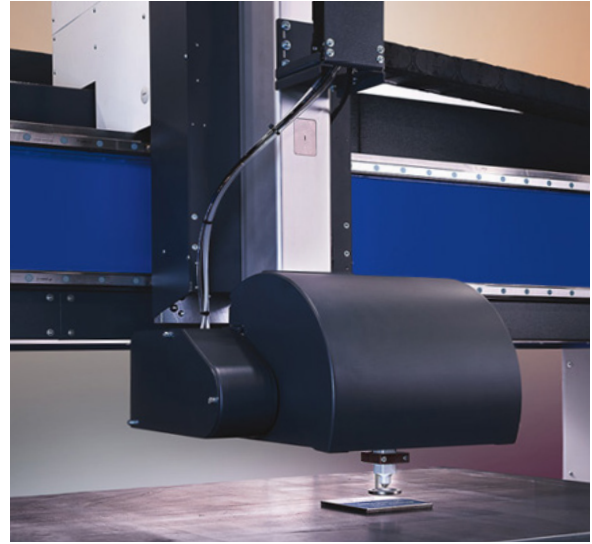
## MARKING SYSTEMS

### INK-JET

The Ink-Jet marker offers three configurations: Single Jet for line and arc marking, Multi-Jet Fixed (7 Dot) for alphanumeric text, and Multi-Jet with Rotation (7 Dot) for flexible text orientation.

Using a 7-dot head, the Ink-Jet prints up to 0.98 inches (25mm) tall at 17 characters per second. It operates quietly and quickly, marking lines at 3-35 meters per minute and text at 3-26 meters per minute.

Character height options range from 0.35 inches (9mm) to 1.603 inches (27mm) with multi-jet models.



## MARKING SYSTEMS

### TELESIS PINSTAMP®

The Telesis® Pinstamp® system utilizes a reciprocating stylus for permanent marking on plates like steel, stainless steel, and aluminum.

It employs a hardened pin accelerated pneumatically to indent dot matrix characters as directed by the Global Control.

The pin moves through the X and Y-axis to position each dot. Key features include post-painting visibility, suitable for wet paint applications, supporting text and line marking, and depth options of .001" to .010" for TMP3200 and .001" to .015" for TMP7000.

Marking time varies by depth, with automatic height sensing. Featured on Element machines.

## INKJET BENEFITS

- + **Three Models:** Single Jet, Multi-Jet Fixed, Rotation.
- + **Fast, Quiet Labeling:** Alphanumeric, lines, and arcs.
- + **Rotational Flexibility:** Text at any angle.
- + **High-Speed Marking:** Up to 17 characters/second.
- + **Minimal Surface Impact:** Silent, non-damaging marking.

## TELESIS PINSTAMP BENEFITS

- + **Reciprocating Stylus:** Permanent plate marking.
- + **Pneumatically Accelerated Pin:** Indents dot matrix characters.
- + **X/Y-Axis Movement:** Precise dot positioning.
- + **Post-Painting Visibility:** Ideal for wet paint.
- + **Supports Text and Lines:** Versatile marking options.
- + **Adjustable Depth Options:** 0.001" to 0.010"/0.015"

# MARKING OPTIONS

Cutting-Edge Plasma Systems Offered by Messer Cutting Systems

**L** = LEGIBILITY

**S** = SPEED

**D** = DURABILITY

**M** = MULTI-SURFACE / MATERIAL



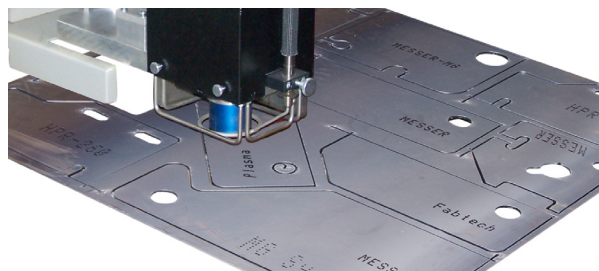
## ZINC POWDER MARKER

SEMI-PERMANENT MARKING SYSTEM



## AIRSCRIBE MARKER

PRECISE PIN MARKING SYSTEM



## INKJET MARKER

CRYSTAL CLEAR MARKING SYSTEM



## TELESIS PINSTAMP®

DOT MATRIX MARKING SYSTEM





# SOFTWARE OPTIONS

Cutting-Edge Plasma Systems Offered by Messer Cutting Systems



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## SOFTWARE SOLUTIONS

# OMNIWIN

### **OmniWin: Streamlining Cutting Operations with Precision**

OmniWin emerges as a cutting-edge solution in the realm of CNC thermal cutting machines.

This software stands out for its simplicity, clarity, and rapid processing, adapting intelligently to both the machine's capabilities and the unique cutting needs of your operations. OmniWin excels in managing all cutting tasks for order-based production, making it an indispensable tool in your manufacturing arsenal.

### **Efficiency in Production and Resource Management**

Especially beneficial for small production runs in the machine and manufacturing industries, OmniWin shines in just-in-time manufacturing environments with fluctuating production quantities. Its core strength lies in its ability to save time and materials, simplifying operations with intuitive use.

The software is designed for thermal cutting processes like oxyfuel, plasma, and laser cutting, providing a comprehensive solution for production planning with CNC machines.

### **Advanced Features for Enhanced Productivity**

OmniWin is more than just a software; it's a technological facilitator that dramatically simplifies work processes. By integrating CAD, import, and nesting functionalities for both vertical and beveled parts, it offers high technical flexibility and efficient processing.

The software helps in reducing costs through minimal material usage and streamlines the transition from design to production.

Omni varied editions – Standard, Enhanced, and Professional – cater to different needs, offering features like professional CAD part creation, extensive nesting capabilities, and advanced optimization tools for superior cutting quality and process efficiency.

## OMNIWIN: YOUR CNC CUTTING SOLUTION

- + **Intelligent Design & Nesting:** Adapts to machines and cutting needs.
- + **All-in-One Solution:** Manages order-based CNC thermal cutting tasks.
- + **Efficient for Small Runs:** Economical in machine manufacturing and JIT.
- + **Saves Time and Materials:** Simplifies operations, ideal for thermal cutting.
- + **Production Planning Tool:** For oxyfuel, plasma, laser CNC cutting.
- + **Work Preparation Ease:** Manages design, nesting, and material minimization.
- + **Fast, Efficient Processing:** Utilizes full machine capabilities.
- + **Simplified Work Processes:** Integrates CAD, import, nesting.



## SOFTWARE SOLUTIONS

# OMNIFAB

### OmniFab: Tailored IoT for Cutting Technology

OmniFab stands as a revolutionary IoT software suite, perfectly tailored for businesses involved in cutting technology and order-related production.

This suite, a blend of sophistication and simplicity, integrates seamlessly with Messer mechanical engineering technology, transforming everyday business processes into efficient, streamlined operations.

### Modular Flexibility for Customized Solutions

The defining feature of OmniFab is its modular design. These modules, adaptable and customizable, grow with your business's evolving requirements. This approach allows for a tailored fit, ensuring that each aspect of your cutting process is addressed with precision.

Whether scaling up or focusing on specific operational needs, OmniFab's flexibility ensures it remains relevant and effective, contributing significantly to operational efficiency and productivity.

### Streamlining Processes and Enhancing Machine Availability

OmniFab's impact is felt across the entire value chain of a company. It automates processes, enabling systems to work in unison, from order data integration in the ERP system to seamless feedback into CAD/CAM software. This harmonization makes production outcomes transparent, with real-time adjustments based on actual production data.

Additionally, the software enhances machine availability by leveraging machine data to create planned maintenance schedules and identify optimization potentials. This proactive approach to maintenance and operations not only saves time but also extends the lifespan and efficiency of machinery.

OmniFab is more than just software; it's offers competitive-edge, by increasing production efficiency through technological integration and process optimization.

## OMNIFAB: SCULPTING PRECISION THROUGH TECHNOLOGY

- + **Seamless IoT Integration:** OmniFab unites Messer engineering with production.
- + **Process Automation:** Links ERP and CAD/CAM systems.
- + **Enhances Transparency:** Adjusts production times with real data.
- + **Material-Efficient Nesting:** Minimizes plate waste, maximizes cutting quality.
- + **Competitive Advantage:** Boosts business productivity.
- + **Optimizes Machine Availability:** Plans maintenance, uncovers optimization potential.
- + **Advanced Scheduling:** Real-time drag & drop, automated planning.





## SOFTWARE SOLUTIONS

# OMNIBEVEL

### OmniBevel: Precision Bevel Cutting Software

OmniBevel stands out as a premier professional software product tailored for the specialized field of bevel cutting.

Renowned for its precision, it excels in producing straight cuts, cylindrical holes, exact bevel angles, and dimensionally accurate parts. This software distinguishes itself by offering unparalleled flexibility, allowing customization of a wide range of technology parameters and operational details, making it a versatile asset in the cutting industry.

### Efficiency Meets High-Quality Standards

A notable feature of OmniBevel is its intelligent use of defaults, sourced from a comprehensive technology database. These defaults are designed to reduce, and often eliminate, the need for manual intervention, thus streamlining operations while consistently adhering to the highest quality standards. This balance of efficiency and quality is essential for businesses aiming to optimize production timelines without compromising the integrity of their bevel cuts.

### Maximizing Machine Performance

OmniBevel functions as a postprocessor module equipped with a user-friendly graphical interface. It expertly incorporates bevel information and technological requirements into NC plans, ensuring that cutting machines, whether based on Oxyfuel, Plasma, or Laser technologies, deliver optimal cutting results in automatic operation.

This capability enables users to fully exploit the potential of their cutting machines, ensuring top-tier quality in bevel cutting. By optimizing machine performance, OmniBevel not only shortens production times but also elevates the quality and productivity of the bevel cutting process.

## OMNIBEVEL: PRECISION BEVEL CUTTING

- + **Precision Bevel Cutting:** Straight cuts, holes, angles.
- + **Optimized for Bevel Demands:** Ensures damage-free contour programming.
- + **Flexible and Accurate:** Adapts to various technology parameters.
- + **Production Planning Tool:** Manages tasks, minimizes material usage.
- + **Optimized for Bevel Demands:** Ensures damage-free contour programming.
- + **Enhances Machine Potential:** Post-processor with graphical interface.

# TABLE OPTIONS

Cutting-Edge Plasma Systems Offered by Messer Cutting Systems

## THE *Slagger*®







## TABLES

### SLAGGER® TABLE

The Slagger® cutting table offers efficient slag removal for plasma, laser, or oxyfuel cutting, handling materials up to four inches thick. Customizable sizes are available.

Designed exclusively for Messer Cutting Systems' machines, the Slagger® automates slag removal, eliminating manual cleaning. With a button push, the table self-cleans in minutes, reducing downtime and operational efficiency.

**Table Sizes:** Widths 6' to 24", Lengths 10' to 200'.

The Slagger® reduces cleaning time and labor costs, boosting production efficiency compared to water cutting tables. Its efficient blade design ensures a cleaner work environment and smoother operations.



### SLAGGER® TABLE BENEFITS

- + **Versatile Slag Removal:** For plasma, laser, oxyfuel cutting.
- + **Handles Thick Materials:** Up to four inches.
- + **Automated Cleaning:** Reduces downtime significantly.
- + **Variable Table Sizes:** Wide customization range.
- + **Efficient and Clean:** Outperforms water tables.





## TABLES

### WATER TABLE

Water burn tables, or water tables, have pros and cons compared to dry cutting tables. They don't require a dust collector, making setup simpler, and offer benefits like reduced noise, eliminated arc light, less heat distortion, and cooling for cut parts.

However, water tables have downsides. They're older tech and need environmental treatment due to metal slag buildup, causing water toxicity and hazardous gas release. Maintenance is crucial, with rust and bacteria concerns.

Cleaning a water table is labor-intensive, requiring protective gear. Wet slag makes the floor slippery, and wastewater disposal can be costly due to regulations.

We recommend eco-friendly, user-friendly dry cutting tables like downdraft cleaning tables, saving time and money.

### WATER TABLE BENEFITS

- + **Simpler Setup:** No dust collector required.
- + **Water Table Benefits:** Less noise, arc light, heat distortion.
- + **Environmental Concerns:** Metal slag buildup, water toxicity.
- + **Maintenance Intensive:** Risks of rust, bacteria.
- + **Messer Recommendation:** Eco-friendly dry cutting tables.



## TABLES

### DOWNDRAFT TABLE

Downdraft burn tables extract smoke and dust, requiring dust collectors. The Slagger® has a zoned downdraft table with mechanically operated damper doors.

Designed for smaller machines with plasma systems and materials up to 3" thick.

Messer Cutting Systems recommends The Slagger® and Shuttle Table for gantry-style cutting machines in various sizes.

Downdraft tables efficiently move small parts and slag from cutting to a collection pan. The Slagger® effectively removes smoke.

Available for the PlateMaster II, Titan III, MPC2000, MPC2000 MC, and TMC4500 DB, each with unique cutting widths and lengths. The burn table is separate from the cutting machine.

### DOWNDRAFT TABLE BENEFITS

- + **Downdraft Table:** Extracts smoke and dust.
- + **Slagger® Features:** Zoned table, mechanical dampers.
- + **Ideal for Small Machines:** Supports plasma, up to 3" materials.
- + **Recommended for Gantry Machines:** Slagger® and Shuttle Table.
- + **Compatibility:** Fits various Messer Cutting Systems models.

# DUST COLLECTOR OPTIONS

Cutting-Edge Plasma Systems Offered by Messer Cutting Systems







## COLLECTION SYSTEMS

### CAMFIL-FARR

Messer Cutting Systems expertly integrates with Camfil's Gold Series X-Flo dust collectors to enhance safety and efficiency in metalworking.

These advanced collectors are tailored for modern plasma and laser cutting technologies, adept at handling a variety of metals, including new thicknesses and types like stainless steel and brass.

Essential in capturing hazardous byproducts, they ensure optimal air quality and operator safety.

Featuring a modular design and advanced filter cartridges, these systems are pivotal in maintaining clean factory air. Their alignment with Messer's precision CNC machines underscores a commitment to excellence in metal fabrication and environmental responsibility.

### CAMFIL-FARR DUST COLLECTOR BENEFITS

- + **Camfil APC Gold Series X-Flo:** Robust, maintains clean air efficiently.
- + **Handles Various Dust Types:** Including toxic, combustible, and metal.
- + **Captures Hazardous Particles:** Prevents toxic inhalation, filters tiny particles.
- + **Camfil Collector Options:** Eight sizes, seven horsepower ranges.
- + **Collector Sizes based on:** Laser wattage, material, table size.



## COLLECTION SYSTEMS

### DONALDSON-TORRIT

The Donaldson DFE® Series, customized for Messer's processes, showcases a downward airflow pattern and cutting-edge MERV 15 True Nanofiber Filtration Technology. Pioneering the cartridge dust collector, Donaldson Torit® enhances productivity in metal and machining, agriculture, mining, and more.

Their collectors, engineered for a broad spectrum of dust particles, ensure clean air and efficient operation, crucial for advanced cutting technologies like laser, plasma, and oxy-fuel.

Tailored collector sizes and options, including airflow controllers, make them ideal for any cutting application, aligning perfectly with Messer's precision and safety standards in metal fabrication.

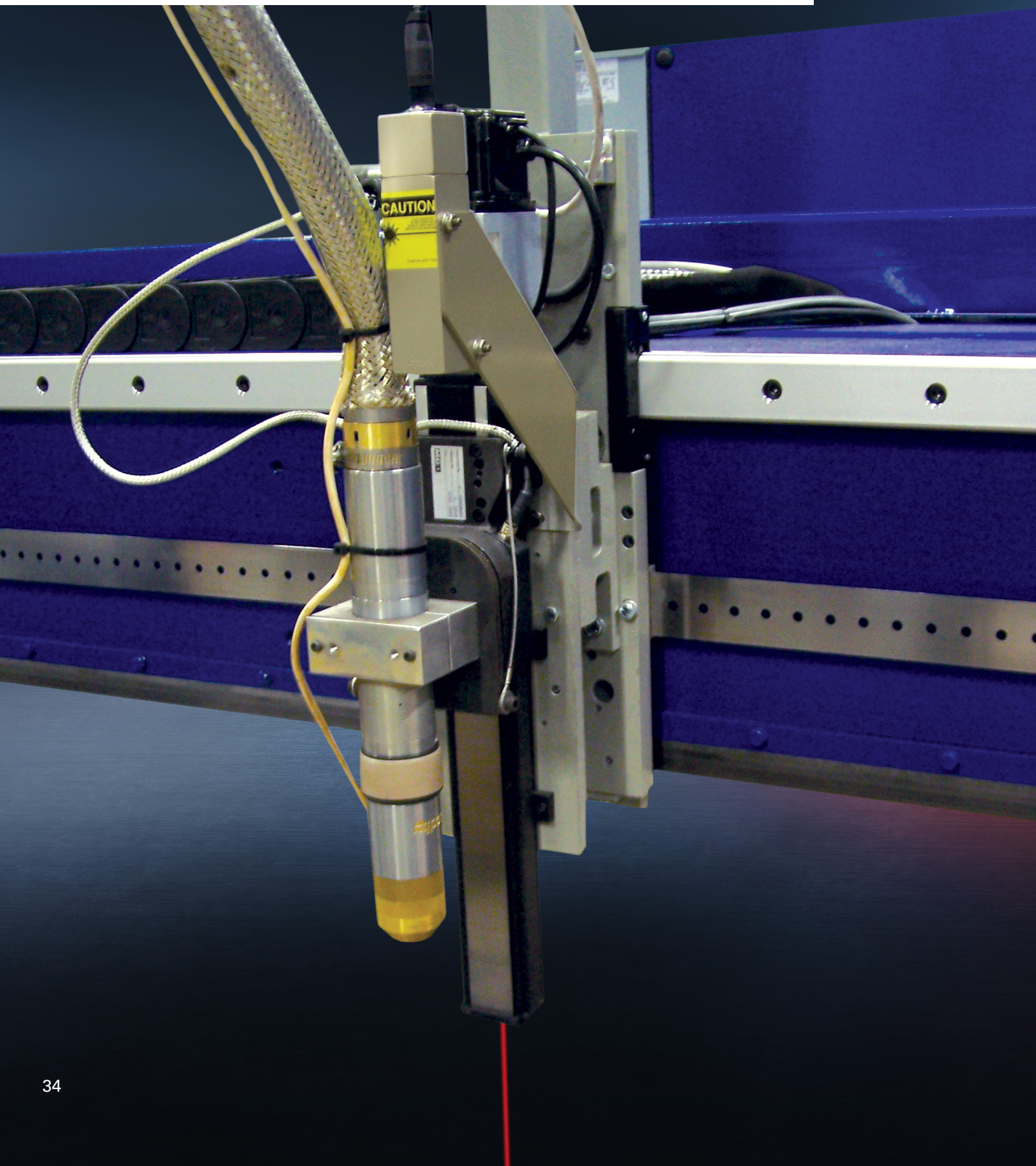
### DONALDSON-TORRIT DUST COLLECTOR BENEFITS

- + **DFE® Series:** Customized for Messer, with True Nanofiber Technology.
- + **Downward Airflow:** Reduces re-deposition, **EPA-research backed.**
- + **Cutting Collector Options:** 14 sizes, various arrangements.
- + **Sizing Criteria:** Based on airflow, table size, workpiece.
- + **Custom Solutions:** Broadest range, tailored to needs.

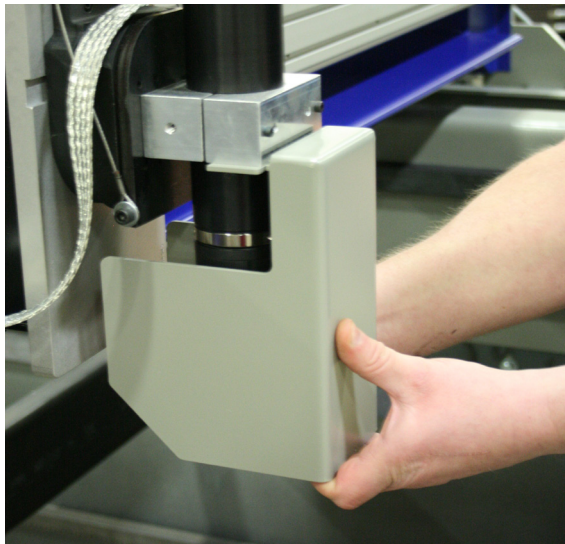


# MISCELLANEOUS OPTIONS

Cutting-Edge Plasma Systems Offered by Messer Cutting Systems







## MACHINE OPTIONS

### GLARE SHIELDS

Introducing Messer Cutting Systems' innovative magnetic glare shields, designed to enhance safety and precision in plasma cutting.

These shields easily attach to the plasma head using their magnetic feature, providing crucial eye protection from intense light and harmful radiation.

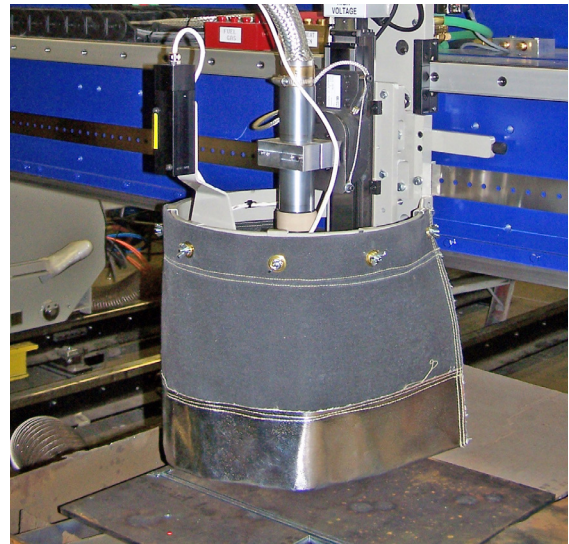
They ensure clear visibility for precise cuts while safeguarding operators from sparks and spatter.

Conveniently removable, they offer flexibility, allowing users to detach them when not required.

These shields are an essential addition for any plasma cutting operation, aligning with Messer's commitment to safety, efficiency, and cutting-edge technology.

### GLARE SHIELD BENEFITS

- + **Magnetic Attachment:** Securely affixes to plasma head.
- + **Eye Safety:** Shields from harmful light radiation.
- + **Enhanced Visibility:** Clear view for precise cuts.
- + **Removable Design:** Detach when not in use.
- + **Spatter Protection:** Guards against sparks, debris.



## MACHINE OPTIONS

### GLARE CURTAINS

Glare curtains enhance the safety and efficiency of plasma cutting operations.

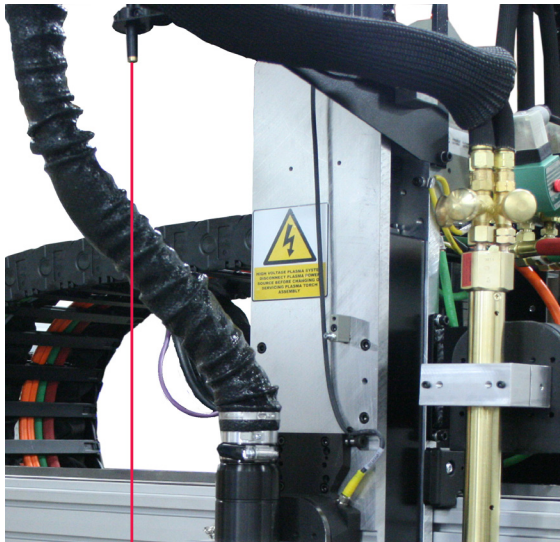
These curtains shroud the plasma head, playing a crucial role in safeguarding operators from the intense light and radiation emitted during the cutting process.

They ensure a clear, glare-free view, facilitating precise and accurate cuts. Additionally, these curtains act as a protective barrier against sparks and spatter, further enhancing workplace safety.

Essential for any plasma cutting setup, our glare curtains are a testament to our commitment to providing safe, high-quality, and reliable cutting solutions.

### GLARE CURTAIN BENEFITS

- + **Radiation Protection:** Shields from intense light.
- + **Clear Visibility:** Ensures precise cutting view.
- + **Spatter Barrier:** Guards against sparks, debris.
- + **Safety Enhancement:** Increases operator protection.
- + **Reliable Quality:** Durable and efficient design.



#### MACHINE OPTIONS

### LASER POINTER

Laser pointers are a cutting-edge tool designed to revolutionize the plate cutting process on Messer cutting machines.

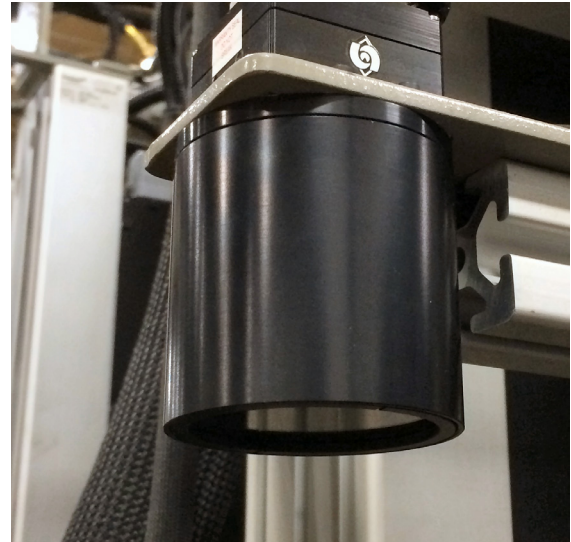
This innovative device allows operators to accurately identify plate edges and features, significantly simplifying the setup process. It's instrumental in shortening throughput times and minimizing scrap by ensuring precise alignment.

The Laser Pointer is used for manual and automatic plate alignment, aiding in locating critical points along the plate edge. Once these points are marked, the part program automatically adjusts to the plate's actual position, allowing for accurate cutting or nesting.

This tool not only streamlines setup but also reduces cycle time and scrap, providing invaluable layout assistance in the cutting process.

### LASER POINTER BENEFITS

- + **Precise Edge Identification:** Locates plate edges accurately.
- + **Setup Simplification:** Eases basic machine setting.
- + **Throughput Time Reduction:** Shortens processing duration.
- + **Scrap Minimization:** Avoids unnecessary waste.
- + **Automatic Offset Adjustment:** Aligns part program to plate.



#### MACHINE OPTIONS

### VIDEO CAMERAS

Messer Optimized System Technology enhances cutting precision with its Digital Video Camera, a multifunctional tool for all Messer machines.

This camera not only aids in alignment by capturing key points along a plate's edge but also monitors the cutting process.

With its ability to integrate into the Global Control system, it offers operators a comprehensive view from the control panel, improving accuracy and efficiency. It's especially effective in Virtual Service™, facilitating remote diagnostics.

This technology substantially reduces setup times and increases precision, making it a superior alternative to traditional alignment methods.

### VIDEO CAMERA BENEFITS

- + **Dual-Function Camera:** Alignment aid and process monitor.
- + **Enhanced Precision:** Captures key alignment points.
- + **Integrated Viewing:** Global Control system compatibility.
- + **Virtual Service™ Support:** Aids in remote diagnostics.
- + **Setup Efficiency:** Significantly reduces alignment time.





## MACHINE OPTIONS

### FLEXZONE

FlexZone technology extends the working length of the machine's beam (Y-axis) beyond the conventional limits of the plate cutting table.

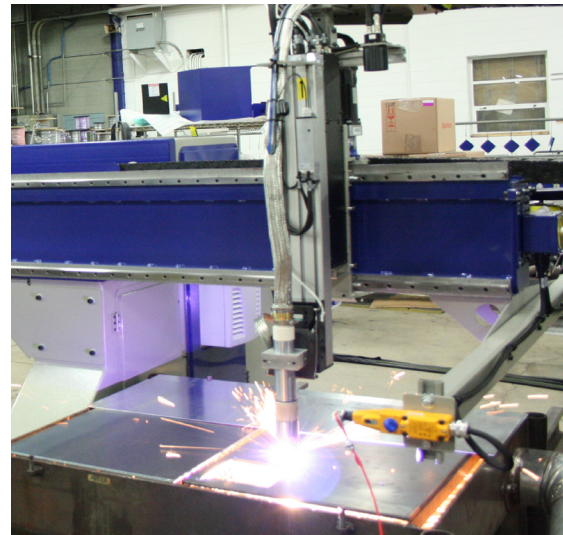
This advanced extension feature offers remarkable flexibility in processing a diverse range of materials, including structural shapes, adjacent to the machine but off the cutting table. This innovation empowers end users to design and implement custom fixtures or specialized work supports, thereby facilitating unique applications that are not feasible with standard plate cutting systems.

FlexZone is a testament to our commitment to versatile and adaptive cutting solutions.

Available only on the EdgeMax, MetalMaster Evolution, and Titan III machines.

### FLEXZONE BENEFITS

- + **Extended Beam Capability:** Surpasses standard table limits.
- + **Versatile Material Processing:** Ideal for structural shapes.
- + **Off-Table Operation:** Allows cutting adjacent to the machine.
- + **Custom Fixture Support:** Enables unique application accommodation.
- + **Enhanced Flexibility:** Adapts to special processing needs.



## MACHINE OPTIONS

### SAFETY OPTIONS

#### Light Curtain

A light curtain protects workers by creating an invisible barrier around hazardous areas. When the light beam is interrupted, it signals machinery to stop, preventing accidents and ensuring a safe working environment.

#### Pull Cord

A pull cord is an emergency stop mechanism that enables quick shutdown by either pulling the cord to enhance safety and prevent accidents, or if the cord connection is interrupted at any point.

#### Noise Abatement Enclosure

Noise abatement refers to measures and techniques implemented to reduce noise pollution, enhancing environmental and living conditions by mitigating unwanted or harmful sounds.

### SAFETY OPTIONS

- + **Light Curtains:** Provides an invisible barrier between the machine and operators. This protection travels with the machine gantry.
- + **Pull Cords:** Enables quick shutdown of the machine through use of a pull cord either by pulling / triggering or by an object coming in contact with the cord itself.
- + **Noise Abatement:** Protects workers by reducing the overall noise pollution in the environment, dampening unwanted or harmful noise levels.

# MACHINE OPTIONS

Tools for expanding your cutting capabilities

		MetalMaster 3.0	EdgeMax	MM Evolution	FiberBlade V	MetalMaster Xcel	Element 400L Unitized	Titan III	PlateMaster II	Element 400	TMC4500DB	MPC2000	MPC2000 MC
PLASMA	PowerMax 125	X	X	X		X	X	X	X	X	X	X	X
	MaxPro200	X	X	X		X	X	X	X	X	X	X	X
	XPR170	X	X	X		X	X	X	X	X	X	X	X
	XPR300	X	X	X		X	X	X	X	X	X	X	X
	XPR460		X	X		X	X	X	X	X	X	X	X
	HPR400XD		X	X		X	X	X	X	X	X	X	X
	HPR800XD		X	X		X	X	X	X	X	X	X	X
	XPR Core Console	X	X	X		X	X	X	X	X	X	X	X
	XPR Core Plus Console	X	X	X		X	X	X	X	X	X	X	X
	XPR VWI Console	X	X	X		X	X	X	X	X	X	X	X
	XPR Optimix Console	X	X	X		X	X	X	X	X	X	X	X
LASER	3kW - 20kW					X	X			X			
	AutoZoom					X	X			X			
	ProCutter Head					X	X			X			
	Zoom 2.0					X	X			X			
BEVELING & TORCHES	TurboFlame Torch	X	X	X		X	X	X	X	X	X	X	X
	ALFA Oxyfuel Torch			X	X	X		X	X	X	X	X	X
	Single Position Oxyfuel Bevel Unit							X			X	X	X
	Three Position Oxyfuel Bevel Unit							X			X	X	X
	Oxyfuel Contour Bevel Unit										X	X	X
	Bevel-R			X		X	X			X			
	Delta-E					X		X			X	X	X
	Bevel-S						X			X			
	Infinity Rotator										X	X	X
	Bevel-U Laser ±50°						X						
	Manual Plasma Stripping Bevel Unit		X	X		X	X	X	X	X	X	X	X
DRILLS	Electric Drill							X			X	X	X
	MD200 - 2" Drill										X	X	
	MD250 - 2.5" Drill												X
	MD400 - 4" Drill										X		X
MARKERS	AirScribe		X	X		X		X	X		X	X	X
	Zinc Powder			X		X		X	X		X	X	X
	Ink-Jet		X	X		X	X	X	X	X	X	X	X
	Telesis Pinstamp			X		X	X	X	X	X	X	X	X
	Plasma Marker		X	X		X	X	X	X	X	X	X	X

# MACHINE OPTIONS CONTINUED

Tools for expanding your cutting capabilities

		MetalMaster 3.0	EdgeMax	MM Evolution	FiberBlade V	MetalMaster Xcel	Element 400L Unitized	Titan III	PlateMaster II	Element 400	TMC4500DB	MPC2000	MPC2000 MC
SOFTWARE	OmniWin	X	X	X	X	X	X	X	X	X	X	X	X
	OmniFab	X	X	X	X	X	X	X	X	X	X	X	X
	OmniBevel			X		X	X	X		X	X	X	X
TABLES	Slagger Table			X		X	X	X	X	X	X	X	X
	Water Table	X	X					X	X	X	X	X	
	Downdraft Table	X	X	X	X	X	X	X	X	X	X	X	X
DUST COLLECTORS	Camfil	X	X	X	X	X	X	X	X	X	X	X	X
	Donaldson	X	X	X	X	X	X	X	X	X	X	X	X
MISC. OPTIONS	Glare Shields	X	X	X	X	X	X	X	X	X	X	X	X
	Glare Curtains	X	X	X	X	X	X	X	X	X	X	X	X
	Laser Pointer	X	X	X	X	X	X	X	X	X	X	X	X
	Video Camera	X	X	X	X	X	X	X	X	X	X	X	X
	FlexZone		X	X		X		X					X
	Safety Options	X	X	X	X	X	X	X	X	X	X	X	X
	Plasma Air Booster	X	X	X		X	X	X	X	X	X	X	X



# SERVICE / AFTERSALES

A Commitment to Customer Satisfaction & Support



## SERVICE

### Sentry Service, Maintenance

Messer Sentry Service offers comprehensive maintenance for all Messer machines, ensuring their long-term, profitable operation. Enlist factory-trained engineers for calibrations, tune-ups, and more to maintain peak performance and preempt potential issues.



## SERVICE

### Virtual & Visual Service™

Combining Virtual and Visual Service, Messer offers remote diagnostics and direct visual support via smart devices. This dual approach enhances maintenance efficiency, minimizes downtime, and provides immediate, expert assistance for machine troubleshooting.



## SERVICE

### Field Service

Messer Cutting Systems' comprehensive repair services, led by expert repair specialists and Field Service Technicians, ensure your equipment is always at its best. From in-house to on-site repairs, we offer up-to-date technology, parts, and industry-leading capabilities for all cutting machine needs.



## AFTER SALES SUPPORT

### Applications Department

Messer Cutting Systems is committed to enhancing your productivity with customer-focused, innovative consulting. Our Application Department addresses unique challenges, from machine training to improving machine performance, ensuring you stay competitive in a dynamic marketplace.



## AFTER SALES SUPPORT

### Parts & Consumables

Maximize your productivity with Messer Cutting Systems' original spare parts and consumables, guaranteed for quality and swift delivery. Our expert teams provide professional repairs, ensuring minimal downtime and enhanced performance for all components.



## AFTER SALES SUPPORT

### Retrofit Department

Enhance your cutting systems with the latest technology through conversions or retrofits by Messer Cutting Systems. Incorporating modern controls, automatic height control, and advanced torches, we boost productivity and simplify subsequent operations.

# REGIONAL MAP

National Reach, Local Expertise

## UNITED STATES

### WESTERN

REGIONAL MANAGER:  
western@messer-cutting.com

### CENTRAL

REGIONAL MANAGER:  
central@messer-cutting.com

### GREAT LAKES

REGIONAL MANAGER:  
greatlakes@messer-cutting.com

### SOUTH CENTRAL

REGIONAL MANAGER:  
southcentral@messer-cutting.com

### NORTHEAST

REGIONAL MANAGER:  
northeast@messer-cutting.com

### SOUTHEAST

REGIONAL MANAGER:  
southeast@messer-cutting.com



## CANADA

### EAST / WEST CANADA

REGIONAL MANAGER:  
ewca@messer-cutting.com

### CENTRAL CANADA

REGIONAL MANAGER:  
centralca@messer-cutting.com



## MEXICO

### MEXICO

REGIONAL MANAGER:  
mexico@messer-cutting.com



# CREATING SOLUTIONS BEYOND MACHINES

## What We Stand For

Messer Cutting Systems is a global supplier of cutting-edge technology for the metalworking industry.

Our portfolio and our values are built on the pillars of Product, Automation, Digital, Services, and Know-How. With over 900 employees worldwide in over 50 countries, we maintain a constant dialogue with our customers.

Through our partnerships, we achieve customer-oriented innovation and focus on “creating solutions beyond machines”.

We deliver not just modern cutting systems and solutions for plasma, laser, and oxyfuel technology, but appropriate services, training, our own software applications, and the integration of solutions from our technology partners in the field of automation. A network encompassing the machine, providing total solutions.

Our know-how combined with our customer-oriented attitude and actions have made us the worldwide partner of choice, delivering innovative solutions to the plate processing industry since 1898.

## Messer Cutting Systems, Inc.

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