



ELEMENT 500 TRUE MULTI-TOOL PLATE PROCESSING

Stop choosing between capability and floor space.



PRODUCT

ELEMENT 500

Where Proven Expertise Drives Real ROI

The **Element 500** delivers capabilities without demanding the floor space. Built for shops where efficiency is non-negotiable, it combines high-definition plasma beveling, plate marking, and heavy oxyfuel cutting with a fully integrated drilling center optimized for structural connection plates and components; all powered by our future-ready, 64-bit, Windows 11 Global Connect control.

When customers asked for more capability in a compact footprint, we responded. Our design team reinforced our proven Element platform with a stronger beam engineered to withstand the added forces of drilling, without compromising accuracy or performance.

The result is raw multi-process throughput for fabrication environments where every square foot, every hour, and every dollar matters.

Our systems are specifically configured and tailored for your unique application by our experienced sales and product teams. Please contact sales.us@messer-cutting.com or call (262) 255-5520 to request a quote.

GD40 DRILLING CENTER

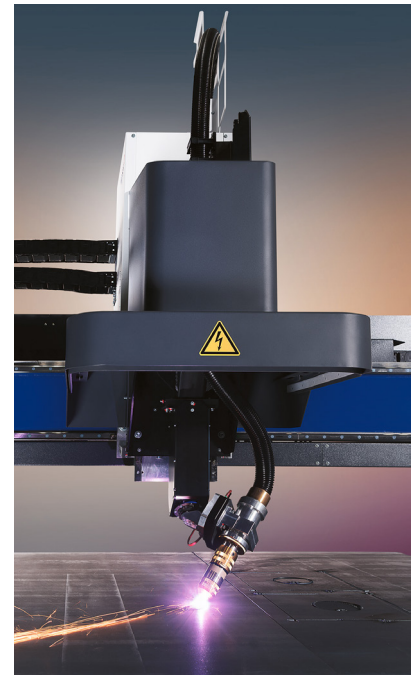


OVERVIEW

- + **Machine widths 6'-16' and lengths up to 150'** to match your production demands.
- + **High-definition plasma cutting up to **2.5"** thick in mild steel, aluminum, and stainless steel. **requires Argon-assist piercing.
- + **ALFA oxyfuel cutting torches** allow additional cutting capacity up to 8" thick in mild steel.
- + **Drilling, plate marking, and plasma beveling** reduce or eliminate secondary operations allowing increased throughput in a single set-up.
- + **Machine motion: +/- 0.010" accuracy (compensated over 72" travel); +/- 0.010" repeatability** delivers high accuracy and consistent part quality, tighter fit-up, less rework, and secondary machining.
- + **Positioning speeds of up to 2,600 ipm** along with optimized vertical z-axis torch movement decrease overall cycle times by increasing torch-on time.
- + **Reinforced steel weldment construction** with high rigidity beam maintains accuracy under load (including drilling), reduces vibration, and increases overall durability.
- + **Global Connect, 64-bit, Windows 11 based CNC control.** 18.5" User-friendly interface reduces training time, improves operator efficiency, and simplifies integration with shop systems.
- + **Slagger® Self-Cleaning Table** - Seamlessly support your cutting workflow with automated slag removal reducing cleanup, improving safety, and keeping operations running at peak efficiency.
- + **Virtual Service™** remote troubleshooting and diagnostics means most technical support requests whether cutting performance, troubleshooting, or maintenance related questions can be answered remotely.
- + **MesserSoft software** to streamline entire cutting workflow from intelligent nesting to automated drilling and precision beveling in one fully integrated system, backed by in-house support.
- + Designed and manufactured to **UL/CUL**.

FEATURES

- + **GD40 Drill: drilling up to 1 9/16" dia., counterbore/countersink.**
- + **Plasma Bevel-S Rotator.**
- + **Multi plasma, oxyfuel torches with auto torch spacing.**
- + **TurboFlame™, ALFA Oxyfuel torches.**
- + **Markers: Pin-Stamp, and Ink-Jet.**
- + **Zoned & ducted exhaust tables, including the self-cleaning Slagger® Table**
- + **Dust Collection - sized with precision**
- + **Sentry Service Preventative Maintenance Program.**
- + **Visual Service support.**
- + **IoT 4.0 Machine Insight.**



Plasma Bevel Cutting

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