

ELEMENT 500

GD40 FULLY AUTOMATIC DRILLING UNIT

PRODUCT



Built for the relentless pace of structural steel fabrication, the **GD40 Drill Unit** is a modern, high-performance drilling solution engineered specifically for AISC-certified environments. Its narrow-profile design, combined with the rigidity and multi-process capability of the Element 500 gantry, delivers high performance in a reduced footprint, maximizing throughput without expanding floor space.

The Element 500 with the GD40 Drill Unit offers predictable, repeatable drilling and a full suite of integrated process tools. Drill, cut (plasma or oxyfuel), and perform marking functions all within a single setup eliminating excess plate handling, so you can keep production moving.

FEATURES AND BENEFITS:

- + Reduces or eliminates the secondary operations.
- + Suhner drill spindle with CAT 40 taper maximum drilling diameter of 1-9/16" (40mm) in mild steel depending on variant.
- + Thread tapping, Counter-boring, and Counter-sinking.
- + Pneumatic draw bar provides quick and fully automated tool changes with optional stationary tool changer/storage unit (12 tool capacity). Increased tool storage capacity available, flexible mounting options.

- + Servo controlled part hold-down clamp detects the work surface and applies downward clamping force to stabilize the material.
- + Integrated air blast clears swarf generated from processing away from the processing area.
- + Dedicated y-axis motor provides absolute positioning of the drill carriage and allows for automatic parking away from the cutting process when not in use.
- + Y-axis carriage clamping system locks the drill carriage securely when drilling.
- + Auto tool measurement saves time and increases depth accuracy while also eliminating manual tool measurement errors.
- + MQL lubrication system delivers lubrication through the drilling tool and or via an external nozzle.

PROCESS CONTROL

The 64 bit, Windows 11, Global Connect control provides simple, 18.5" touch screen operation and intuitive setup for drilling tools. Integrated CAD/CAM functionality with OmniWin software streamlines the process, improves planning reliability, and requires minimal training.

More information on back

GD40 DRILLING UNIT

Drilling, Thread tapping, Counter-boring
Counter-sinking for Maximum Performance

SCAN TO WATCH THE
GD40 Drill VIDEO



DRILLING UP TO 1 9/16"
DIAMETERS



- + **Automated processes for increased productivity.**
- + **Dynamic depth control compensates for plate deflection.**
- + **Easy operation and fast job setup through intuitive controls.**
- + **Low-vibration machining for consistently high-quality results.**