



MD250 DRILL

With chip recovery and X-Y milling capability.

Messer Cutting Systems MD250 Drill can be combined with plasma and oxyfuel systems, allowing for drilling and cutting on the piece part in a single handling. All processes are done with the same set-up providing accurate feature-to-feature relationships both within a single piece and part to part.

FEATURES AND BENEFITS:

- **49.8 HP peak (24.3 HP continuous), 2-1/2" capacity drill.**
- **Constant torque, AC liquid cooled servo motor.**

Spindle characteristics:

- » CAT 50 taper.
- » Spindle outputs a maximum of 4000 rpm and 1700 lbs. of thrust
- » Coolant thru-the-spindle (Unist MQL System).
- » Capable of drilling 2-1/2" diameter holes thru 6" thick mild steel.
- » Capable of tapping 1.5"-6 unc thru 1-1/2" thick mild steel.

- **23.5" vertical stroke**

Servo controlled part hold down clamp:

- » 1000# vertical clamping force.
- » Detects the work surface to maximize the rapid approach of the tool.

- **Used for drilling thru holes in mild steel, aluminum, stainless steel.**
- **Utilizes an on-board data base which includes information such as tool number, tool diameter, tool length, cutting speed, feed per revolution.**

- **Maximum torque output is 310 ft. lbs. (142 ft. lbs. continuous) at 625rpm.**
- **X-Y milling capability.**
- **Optional Chip Recovery System - Zipper duct assembly must be right hand or left hand, overhead:** Includes ducting to the swarf drop out box and ducting to the dust collector along with two automatic blast gates to alternate between chip extraction and dust collection.
- **Tool Storage:**
 - » Mounts on same carriage as drill.
 - » 24-tool capacity, CAT50 tool holders.

SYSTEM DESCRIPTION

The MD250 Drill can be activated using a CNC command in the part program or by the operator. After activation, hold down clamps push down on the plate prior to and during the entire drilling cycle. The tool cutting speed, feed per revolution, and length are maintained in the database.

APPLICATION

Available on MPC2000 MC machine model.

More information on back.

MD250 DRILL

DRILLING UP TO 2 1/2" DIAMETER.



Scan to watch the
MPC2000 MC Video



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