

EZ Flow Powder Marker

Semi-permanent Marking



Overview:

Messer Cutting Systems' EZ Flow Powder Marker uses a special torch that is mounted with a fixed offset to a plasma or oxyfuel cutting tool. The marker produces a discernible, semi-permanent line by using a low preheat flame to bond a focused, misted cloud of powder onto the work piece.

Features and Benefits:

- Easily readable 0.04" wide line provided at speeds up to 1000 IPM for high productivity.
- Avoids secondary manual operations by creating layout lines (hole and weld locations, bend lines) and character identification as part of the cutting process.
- Zinc powder is used to create a silver line on mild steel, while colored powder can provide high contrast on stainless steel and aluminum.
- Lines can be continuous or intermittent.
- Fifty gram vials of powder include a desiccant tablet to prevent moisture contamination. Each vial provides 4000' of line at approximately 1000 IPM.

System Description:

The powder for the EZ Flow is contained in a storage reservoir on the top of the marker's special torch. When preheat oxygen is supplied through three tangentially directed ports, the powder begins to spin. Through the Venturi effect, the powder enters a stainless steel tube that extends down the center of the marker to its tip. Focusing the powder on the work piece, the heat from the flame causes the powder to bond to the metal.

Application:

Available on the EdgeMate, EdgeMaster, and all Precision and General Fabrication machines.



Typical marking with zinc powder

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