



# BEVEL-R®

5-Axis, Compact Plasma Bevel Unit with SureStop Collision Sensor

Messer Cutting Systems **Bevel-R®** can accurately cut bevel profiles (non-vertical) on almost any contour. When programmed to cut at bevel angle, the angle offset, compensation and feed rate are controlled by the NC part programs. The system is used to create contour bevels of V, X, Y or K for weld-preparation surfaces or for active cutting edges like on earth engagement tools. Bevel and land edge configurations can be created via multiple passes.

## FEATURES AND BENEFITS

- AC drives for high performance.
- The SureStop Collision Sensor for quick, simple torch realignment for plasma cutting.
- Quick torch focal point adjusts for easy consumable changeover.
- Torch height is automatically controlled by an analog arc voltage with an accuracy of  $\pm .006$  inches so part accuracy is maintained during bevel cutting.
- Maximum bevel angle  $+45^\circ$  to  $-45^\circ$ .
- Response time from 0 to  $45^\circ$  is less than two seconds.
- Initial height sensing from torch tip contact eliminates offsets and reduces cycle time.
- Vertical travel of 10.24" provides cutting for a wide range of part types.
- Glare Curtain.

## SYSTEM DESCRIPTION

Designed rigid and compact to integrate on to our unitized machines. With  $\pm 45^\circ$  and unlimited winding allows for contour beveling for K, V, X, Y, or straight cuts.

## APPLICATION

Available on the MetalMaster Evolution and MetalMaster Xcel machine models.



Scan to watch video



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