



OXYFUEL CONTOUR BEVEL UNIT

Semi-Automatic Oxyfuel Bevel System

Messer Cutting Systems Oxyfuel Contour Bevel Unit produces weld preparation edges on mild steel. All standard bevels including V, X, Y and K profiles can be achieved by manual adjustment of the torches. An infinitely rotating gas slip ring and a patented automatic height sensing system provide full contour cutting of the same bevel profile on one or multiple parts.

FEATURES AND BENEFITS

- **Infinitely rotating gas slip ring provides full contour beveling without twisting of cables or hoses.**
- **Patented automatic height sensing system produces accurate bevel cuts and reduces scrap.**
- **Patented off-plate detection system protects the torches when cutting near the plate edge.**
- **Manual adjustment side torch angle, lateral offset, and torch ignition.**
- **Capable of cutting V, X, Y & K bevel profiles for maximum versatility.**
- **Mechanical torch collision system prevents costly repair.**
- **Z-axis motorized lifter with a maximum stroke of 250 mm (9-3/4").**
- **Angle adjustment of 15° to 45°.**
- **Straight cuts up to 305 mm (12") with the center torch.**

Thickness capacity is dependent upon bevel angle and bevel profile.

- » Bevel cuts up to 195 mm (7-3/4") plate thickness at 15°
- » Bevel cuts up to 185 mm (7-1/4") plate thickness at 22.5°
- » Bevel cuts up to 175 mm (6-7/8") plate thickness at 30°
- » Bevel cuts up to 140 mm (5-1/2") plate thickness at 45°

SYSTEM DESCRIPTION

Semi-automatic oxyfuel bevel system capable of cutting a variety of bevel profiles in mild steel.

APPLICATION

Available on the TMC4500 DB and MPC2000 machine models.



Sample K Cut Part

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