



# ALFA OXYFUEL TORCH INTEGRATED OXYFUEL CUTTING

U.S. patent # 6,903,300

Messer Cutting Systems ALFA Oxyfuel Torch features integrated height sensing and internal ignition with no external probes to streamline the cutting process while reducing the risk of torch damage.

## FEATURES AND BENEFITS

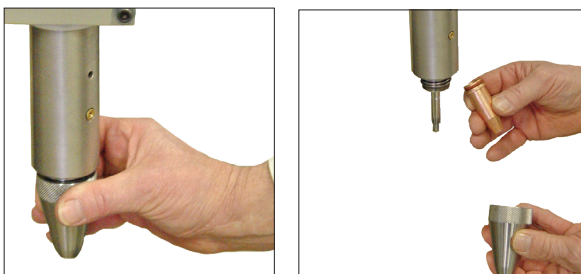
- Patented height sensing is unaffected by slag, mill scale, and splashing water tables ensuring accurate torch stand-off and high quality parts.
- Consumables are changeable without tools reducing setup times and the risk of torch misalignment.
- Ability to height sense to edge of plate for maximum material utilization.
- Internal ignition eliminates manual striker.
- Ignition and height sensing probes are internal and cannot be damaged by the cutting process.
- Interfaces with Omniflow gas regulation for automated oxyfuel cutting.

## SYSTEM DESCRIPTION

- Integrated height sensing eliminates need to change sensing rings for different material thicknesses.
- Height sensing display on the ARKI control panel.
- Height sensing accuracy to within 0.039".
- Cutting material thickness range from 0.12" to 12".
- Height sensing is contact-free with magnetic sensing for proper stand-off and controlled remotely with the Global Control.
- Internal ignition process can be controlled manually or automatically by the Global Control.

## APPLICATION

Available on the PlateMaster II, MetalMaster Evolution, Element MetalMaster Xcel, Titan III, MPC2000, MPC2000 MC, TMC4500 DB, and SicoMat® machines.



Torch consumables are easily removed by hand for quick replacement.



ARKI control panel

Scan to watch video



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