



# 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

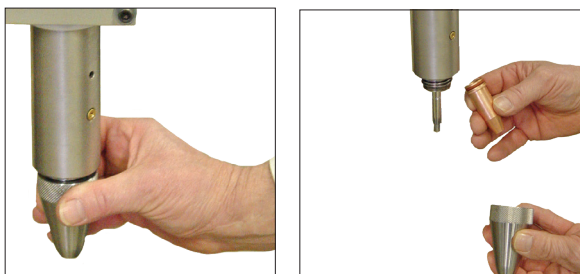
- Patented height sensing is unaffected by slag, mill scale, and splashing water tables ensuring accurate torch stand-off and high quality parts.
- Consumables are changeable without tools reducing setup times and the risk of torch misalignment.
- Ability to height sense to edge of plate for maximum 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.
- Digital height sensing display on the SensoMat ALFA 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, MetalMaster Evolution, MetalMaster Xcel, Titan III, MPC2000, MPC2000 MC, TMC4500 DB, and SicoMat<sup>®</sup> machine



Torch consumables are easily removed by hand for quick replacement.



SensoMat ALFA control panel

Scan to watch video



Messer Cutting Systems, Inc.  
W141 N9427 Fountain Boulevard  
Menomonee Falls, WI 53051  
Phone: 262-255-5520  
Fax: 262-255-5170  
sales.us@messer-cutting.com  
www.messer-cs.com  
Español www.messer-cs.com/mx/us/