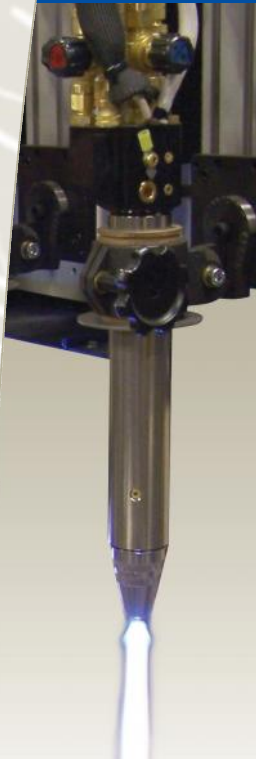


ALFA™ Oxyfuel Torch

Integrated Oxyfuel Cutting

U.S. patent # 6,903,300



Overview:

The ALFA torch is the latest innovation in oxyfuel torches. Featuring totally integrated height sensing and internal ignition with no external probes, the ALFA torch streamlines the cutting process while reducing the risk of torch damage.

Features and Benefits:

- Patented height sensing is unaffected by slag, mill scale, or water splashing up from water tables, and provides an accurate torch stand-off for high quality parts.
- Consumables are changeable without tools for reduced set up times and reduced risk of torch misalignment.
- Ability to height sense right up to the edge of the plate for maximum material utilization.
- Digital display of operating status and diagnostic data
- Internal ignition eliminates ignitor alignment concerns and increases ignition reliability
- No maintenance is required to keep ignition or height sensing working properly because there are no external probes that can be damaged by the piercing 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.
- Remote control of height sensing with the Global Control.
- 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.
- Internal ignition process can be controlled manually or automatically by the Global Control.



SensoMat ALFA control panel.

Application:

Available on the TMC4500ST, Titan II, MPC2000, EdgeMaster and EdgeMate machine models.



Torch consumables are unscrewed easily by hand for quick replacement and removal.

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CUTTING MACHINES CONTROLS TABLES OPTIONS