



# FT100 TORCH IGNITOR

Automatic Oxyfuel Torch Ignition

Messer Cutting Systems FT100 Torch Ignitor remotely ignites any brand of oxyfuel torch. Since no arc is struck, critical alignment is not needed allowing for easy and fast tip change out.

## FEATURES AND BENEFITS:

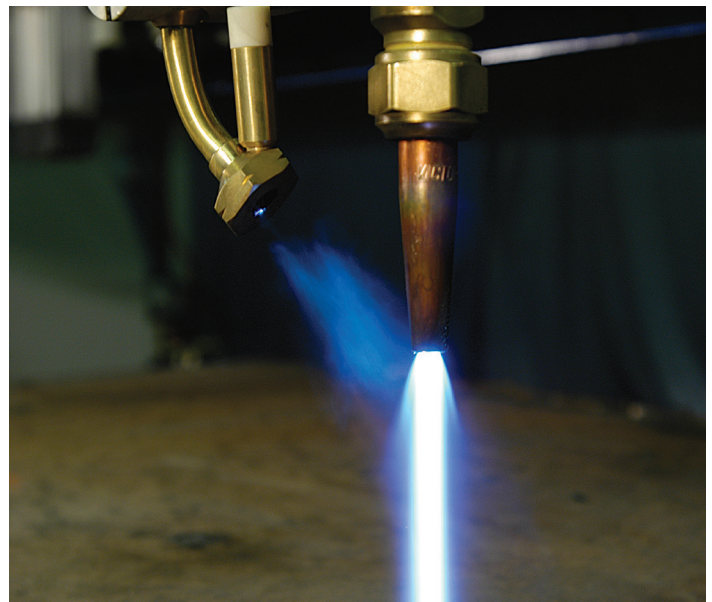
- Provides dependable torch ignition under most conditions including wind.
- Self-contained lighting system reliably starts ignitor, even with low pressure natural gas.
- Each torch station has a high voltage transformer and preheat fuel gas solenoid valve for maximum reliability.
- Individual programmable station selection in the CNC mode automates cutting process for high productivity.

## SYSTEM DESCRIPTION

When the FT100 Torch Ignitor is energized, the fuel gas solenoid opens, allowing gas to flow and to be lit with a high voltage arc (approximately 6500 volts) at the nozzle. To assure ignition of the FT100's flame, sparking will continue in four second durations. The flame is aimed along a 45° angle at the torch tip. The ignition flame then lights the low preheat fuel gas and oxygen stream exiting from the machine torch's tip.

## APPLICATION

Available on the PlateMaster II, Titan III, MetalMaster Evolution, MetalMaster Xcel, MPC2000, TMC4500 DB and SicoMat® machine models.



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