



THE FREEDOM TO INNOVATE

TOUGH GARD™ Spatter Cleaner

May 2010



Agenda

- Features & Benefits
- I/O Requirements
- Product Specifications



TOUGH GARD
Spatter Cleaner

ITW Welding North America



TOUGH GARD Spatter Cleaner

- All-in-one consumables cleaning solution
 - ✓ Cleaning of Consumables
 - ✓ Wire Cutter
 - ✓ Anti-Spatter Sprayer
- Extends the life of welding consumables, increases uptime and lowers operating costs
- Great fit for both your weld cell and your budget



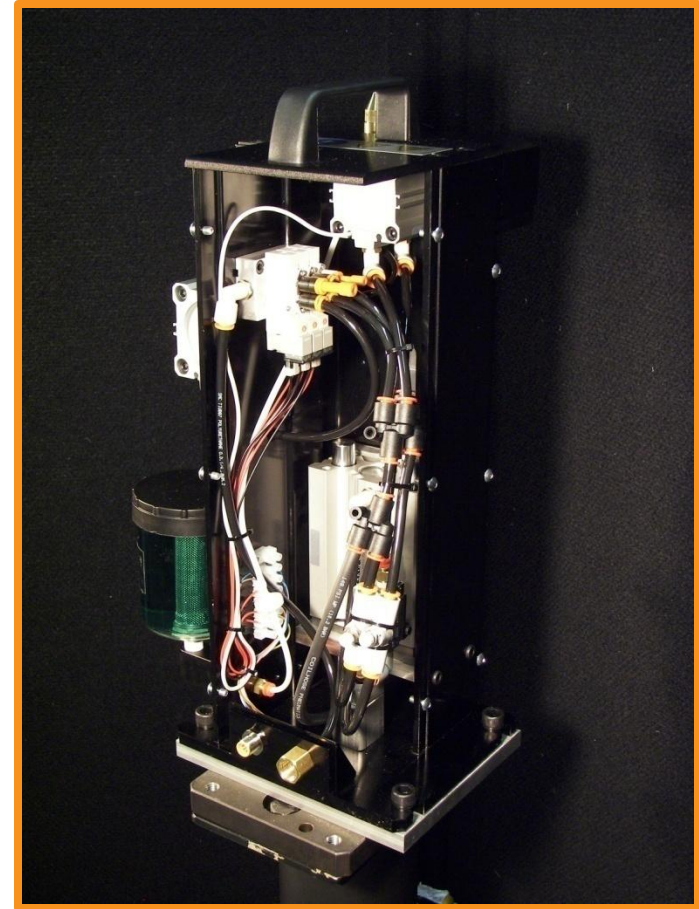
TOUGH GARD
Spatter Cleaner

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Simplified Design

- No circuit board
- Hard-wired into and controlled by existing robotic or PLC automation controls
- 4-sided V-block compatible with a majority of Tregaskiss™ Nozzles



Rear Cover Removed

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Extends Life of Consumables

- Cleans spatter from retaining head, contact tip and nozzle
 - ✓ V-block accurately locates the nozzle
- Sprayer applies TOUGH GARD liquid anti-spatter
- Wire Cutter removes ball at end of wire to improve arc starts



Sprayer



Wire Cutter

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I/O Requirements

- Similar to the existing TOUGH GUN Reamer
- 3 outputs required, 1 input
- NEW 8 pin receptacle with 6 used pins (previously 5 pin)

SIGNAL	CONTROLLER SOURCING	CONTROLLER SINKING
Output : signal to Reed switch	24VDC	0 VDC
Input: unclamped signal from Reed switch	0 VDC	24 VDC
Output : cleaning cycle signal	24 VDC	0 VDC
Output : sprayer signal	24 VDC	0 VDC
Output: wire cutter signal	24 VDC	0 VDC
Common	0 VDC	24 VDC

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Product Specifications

- Rated Voltage
 - ✓ 24 VDC
- Air Requirements
 - ✓ 60 psi @ 6.4 cfm minimum
 - ✓ 4.3 bar @ 3L/s minimum
- Footprint
 - ✓ 9.75" x 9.75" x 17.5"
 - ✓ 248 mm x 248 mm x 445 mm
- Weight
 - ✓ 27 lbs. (12.17 kg)



With TOUGH GUN G2 Series
MIG Gun

ITW Welding North America



THANK YOU



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