



# INTELLIREAM® EIP

## ROBOTIC TORCH MAINTENANCE CENTER

Extend the life of your robotic MIG torch and improve cycle time in your robotic welding cell with the next generation Intelliream® EIP. This robotic torch maintenance center systematically removes and limits spatter accumulation for enhanced productivity.

The Ethernet Enabled EIP model provides additional functionality including: enhanced command and diagnostic signals, direct access to process controls, and feature configuration, with the complete process managed by the internal CPU.

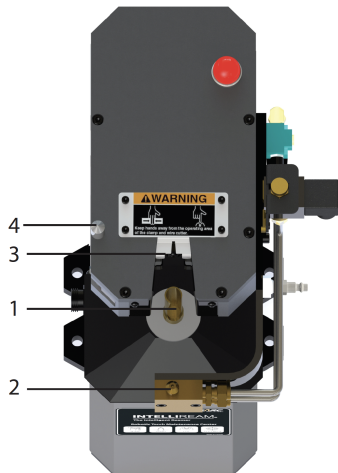
## PRODUCT ADVANTAGES

- 01 The Intelliream® EIP controller features a simple “No Trial - No Error” programming technique and constant process monitoring.
- 02 Self-centering grip design for positive traction on all nozzle sizes.
- 03 Complete enclosure seals out small particles and contaminants.
- 04 On-board diagnostics indicate position and fault codes for ease of trouble-shooting.
- 05 A status light signals when the unit is operating and flashes diagnostic codes if a fault occurs.
- 06 Dry run and sensor override modes make setting up and trouble-shooting easier.
- 07 The Intelliream® is the only reamer to offer an automatic retry feature.
- 08 De-ringer: A pilot reaming stroke removes the spatter ring that forms on the end of the weld nozzle.

## TECHNICAL DATA

Footprint Size:	25" H x 13" L x 10" W
Cutter Speed:	1100 RPM
Air Driven Motor:	0.60 HP
Wire Cutter Diameter:	0.030" - 1/16"
Air Supply:	80 PSI, 16.5 SCFM
Power Supply:	24 VDC, 0.75 A

## PROCESS HIGHLIGHTS



- 01** High strength coated reaming bit provides enhanced wear resistance. Precision machined to tight tolerances for optimized performance.
- 02** Vortex action sprayer delivers a radial spray pattern to uniformly coat the interior surface of the nozzle. Post flow logic enables self-cleaning.
- 03** Pinch off wire cutter is integrated in the clamp housing for easy and quick access, minimizing robot movement. (Optional)
- 04** Tapered cone provides a visual check to ensure positional accuracy of the TCP (tool center point).

## PERFORMANCE

The Intelliream® EIP controls the entire reaming process. Every aspect of the reaming cycle is commanded, monitored, and verified. The feedback signal to the robot is a true "complete" signal indicating that the entire sequence has been executed without error. Modern robotic systems with network capability have advantages over their earlier discrete I/O counterparts.

The connectivity of the Intelliream® EIP provides many of these advantages including:

- Ease of installation and seamless integration with controller.
- Troubleshooting via diagnostics at the robot or PLC.
- Expandable platform for feature upgrades.
- Single connection for multiple robots.
- Data acquisition of process counters and solenoid/cylinder activation timers.

## ETHERNET I/P: DISTRIBUTED INTELLIGENCE

**01** The Intelliream® EIP robotic torch maintenance center builds on the foundation of the button, actuator buttons, and indicator LEDs, and the following advantages enabled by network connectivity.

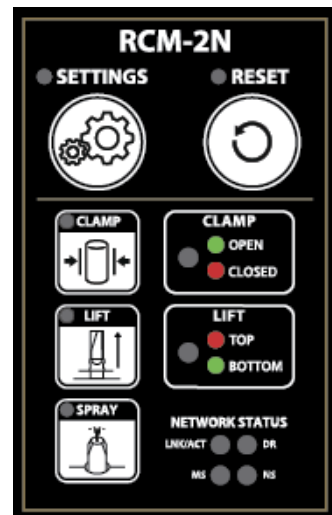
**02** Separate connections for control and solenoid power. The solenoid power may be tied into a safety circuit and interrupted in an emergency condition. The control connection supplies power to the node and sensors in order to maintain network communications.

**03** More control data is available for ease of programming.

**04** Advanced diagnostic and troubleshooting tools helps pinpoint issues and decrease downtime.

**05** Consumable usage and replacement alerts (anti-splatter fluid, wire cutter, ream bit) assist with preventative maintenance efforts.

**06** Add-on instruction (AOI) is available for Logix PLCs to cut integration time and costs.



# WEB SERVER: EXTENDED USER INTERFACE FOR ENHANCED FUNCTIONALITY

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## ORDERING INFORMATION

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### STANDARD EQUIPMENT

INTELLIREAM® EIP Spray System TCP Check	IRM030001-EIP
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### REQUEST ANY OF THE FOLLOWING OPTIONS WHEN ORDERING:

Wire Cutter Module	IRW010099-00
Nozzle Detect Assembly	IRE120099-02
Spray Containment Assembly II	IRS020099-00

### ACCESSORIES

Reaming Bit, 1/2"	IRB010500-00
Reaming Bit, 1/2" bottleneck	IRB010501-00
Reaming Bit, 15.5mm Reaming Bit, 5/8"	IRB01M155-00
IRB020625-00	
Reaming Bit, 3/4"	IRB010750-00
Robot control cable, 20ft	IRE010090-20
Robot control cable, 30ft	IRE010090-30
Robot control cable, 50ft	IRE010090-50
Adapter Plate	IRF020002-01
Floor Mount Stand	IRX010001-00
Anti Spatter Bulk Feed	IRS010099-09