

TOUGH GUN THRUARM™ SERIES

FOR FANUC 100/120iC SERIES ARC WELDING ROBOTS



**NEW
PRODUCT!**

DESIGNED FOR TODAY'S ROBOTIC WELDING SYSTEMS

Tregaskiss has introduced its latest robotic MIG gun – the TOUGH GUN ThruArm Series for FANUC 100/120iC series ARC welding robots. It features the patent-pending LSR (Low-Stress Robotic) Unicable technology.

Designed specifically to minimize downtime and improve welding performance on today's thru-arm robotic welding systems. The TOUGH GUN ThruArm Series with LSR Unicables is available as a complete package – from the power pin to the contact tip – for both clutch and solid-mount robotic systems, including Fanuc, OTC DAIHEN, ABB and Motoman. The LSR Unicables are also available separately for replacement should they become worn, and they can be installed on thru-arm robots featuring other select brands of air-cooled robotic MIG guns.

TOUGH GUN™ LSR Unicables incorporate unique features to prevent production downtime. Unlike conventional style unicables with a crimped or solid connection that have limited rotational capabilities, this unicable allows for continuous 360 degree rotation. It includes a rotating power connection that relieves stress caused by routine torsion and a protective conduit to shield the cable components from harsh welding environments. Tregaskiss guarantees the LSR Unicables with a 2 year limited warranty.

At 100% duty cycle* the TOUGH GUN ThruArm Series and LSR Unicables provide 500 amps air-cooled capacity with CO2 and 350 amps with mixed gases.

*Ratings are based on tests that comply with IEC 60974-7 standards.

FEATURES AND BENEFITS

TOUGH GUN THRUARM SERIES

- Air-cooled solution
- Solid mount design

TOUGH GUN LSR UNICABLES

- Continuous 360 degree rotation
- Stress relieving rotating connection limits the influence of torsion and extends the usable life of the unicable
- Standard offering on all ThruArm Series MIG Guns
- 2 year limited warranty

STANDARD OFFERINGS

- TOUGH LOCK™ Contact Tip System provides the improved performance and reliability you need to maximize production and minimize downtime
- Common consumables platform – TOUGH GUN Semi-Automatic and Robotic MIG Guns use the same Tregaskiss Consumables resulting in reduced inventory
- QUICK LOAD™ Liner - Requires less than half the time and effort to replace (compared to conventional style liners)
- Specials are available upon request

Tregaskiss

THE FREEDOM TO INNOVATE

TOUGH GUN THRUARM™ SERIES

FOR FANUC 100/120iC SERIES ARC WELDING ROBOTS

Configure your TOUGH GUN ThruArm MIG Gun to match your welding application!

Visit www.tregaskiss.com/thruarm for a complete list of available options to fill in the 10 digit part number(s) below.

PART NUMBERING WORKSHEET

STEP 1: Select Your Robot Model					STEP 2: Enter Your Configuration Options (visit www.tregaskiss.com/thruarm for details)					
MODEL	1	2	3	4	5	6	7	8	9	10
	TOUGH GUN ThruArm Series	Robot Brand	Robot Model 1	Robot Model 2	Gun Mount & Option	Nozzle	Gooseneck	Contact Tip	Wire Size	Power Pin
100iC	T	F	0	5						
120iC	T	F	0	6						
100iC-6L	T	F	0	7						
120iC-10L	T	F	0	8						
Sample Part Number	T	F	0	5	3	G	C	1	D	M
	TOUGH GUN ThruArm Series	FANUC	100iC		Solid Mount	Bottleneck, Standard Duty, Copper, 1/2" Bore, 1/8" stick-out (#401-48-50C)	45 degree Air-Cooled Quick-Change Gooseneck (#405-45QC)	TOUGH LOCK™ Heavy Duty Contact Tip (#403-20 series)	Wire Size 1.0mm (#403-20-1.0 contact tip)	Miller Power Pin (#214-1)

NOTE: The TOUGH GUN I.C.E.™ system MUST use the water-cooled Motoman unicable since the TOUGH GUN LSR Unicable is not compatible with TOUGH GUN I.C.E.

TOUGH GUN™ LSR UNICABLES



- The TOUGH GUN LSR Unicable is the core feature in all new TOUGH GUN ThruArm Series MIG Guns
- Stress Relieving Features
 - Unique design allows for continuous 360 degree rotation
 - Limits the influence of torsion and extends the usable life of the unicable
- Extended Warranty
 - 2 year limited warranty
- Air-Cooled Performance
 - Air-cooled MIG gun designed specifically for the latest generation of through-arm robotic arc welding robots

AMPERAGE RATINGS*

MODEL	100% Duty Cycle		60% Duty Cycle	
	C02	Mixed	C02	Mixed
LSR Unicable Air-Cooled (500 amp)	500	350	650	500

*Ratings in above charts are based on tests that comply with IEC 60974-7 standards.

**NEW
PRODUCT!**



THE FREEDOM TO INNOVATE

Canada & U.S.A. Phone: 1-877-737-3111 Fax: 1-877-737-2111

International Phone: +1-519-737-3000 Fax: +1-519-737-2111

www.tregaskiss.com

Tregaskiss is an industry leader in the development and manufacture of semi-automatic and robotic MIG welding guns and robotic peripherals.

TREGASKISS™, TOUGH GUN™, TOUGH LOCK™, and other names are trademarks of Tregaskiss, a division of Illinois Tool Works Inc.

FANUC™ is a trademark of FANUC Robotics America Inc.

Distributed by:

09/08 B057