



Check out pages 34-35
for a reference chart on
our favorite, top of the line MIG guns.

Or see our full line catalog or visit us on the
web at www.tweco.com for more information.

Tweco Arc Welding Accessories

Tweco, a brand of St. Louis-based Thermadyne Industries Inc., is the world's largest supplier of welding and cutting products. The Tweco line includes an extensive array of products from the basic manual welding tools and accessories to MIG guns, consumables, and a complete selection of products for precision robotic welding applications. Tweco is an ISO 9001 registered company.



Tweco & Arcair Professional
Arc Welding / Gouging Equipment
& Consumables Catalog
(Form No. 64-2103)

Smoke Master® MIG Guns

250 & 450 AMP AIR-COOLED
60% Duty Cycle, CO₂ Gas

- Efficiently Removes up to 90% of Smoke from the Welding Zone
- Features Tweco Eliminator® Style Consumable Parts
- Tough Outer Jacket Made of Full Length Leather for Increased Flexibility and Enhanced Cable Life
- Cleaner, More Efficient Smoke Removal

250 AMP



Smoke Master

FUME REMOVAL SYSTEM

- Compatible with Tweco Smoke Master MIG Guns
- Efficiently Removes Welding Fumes
- High Efficiency Filter
- Separately Air-cooled Motor
- Automatic Start-Stop Function Standard
- 120V / 60 Hz.



EVERY FAMILY HAS A KNUCKLEHEAD. MEET OURS.

Pete is a welding engineer and works for Thermadyne. He's also a skilled welder and he's pretty excited about the new technology from Tweco called KNUCKLEHEAD, that allows welders to work more efficiently from all angles. Tweco is among the family of brands from Thermadyne. Pete's a member of our family too. Both knuckleheads are worth getting to know.

We mean this in the most affectionate sense of the word. Like your ingenious cousin Joey, who looks like a numskull but can fix anything, the makers of the world's most popular MIG guns, Tweco, has developed a new product using a patent pending mechanical ball and socket joint design that enables users to virtually infinite adjustments and firm positioning. According to tests performed by the Tweco engineering lab, the KNUCKLEHEAD flexible conductor tube outperforms the leading competitor by a factor of ten. Don't be a blockhead. Work smarter with the KNUCKLEHEAD by Tweco.

PETE ANDERSON
Thermadyne
Louisville, KY
www.tweco.com

Knucklehead™

Tested 100% better than the leading competitor

Thermadyne, A GLOBAL CUTTING AND WELDING LEADER, joins the American Welding Society in encouraging individuals to practice the art, craftsmanship and professions of welding, metalworking and fabrication. Victor, Thermal Dynamics, Thermal Arc, Arcair, Tweco and Stoddy are among the Thermadyne family of brands that you can count on for safety, reliability and quality.

Tweco Professional

www.thermadyne.com

American Welding Society
Sustaining Company Member

The leading competitor's flexible conductor tube showed signs of failure after as few as 348 cycles.* After 700 cycles the competition failed completely.

*According to laboratory tests, performed by the Tweco engineering lab in Denton, Texas.

Competitor	Cycles to Failure
Leading competitor	at 348 cycles
Leading competitor	at 421 cycles
Leading competitor	at 700 cycles

See page 35 & 37, the web or the Tweco & Arcair Catalog for more
information on the Knucklehead Flexible Conductor Tube.



	Mini	#1	#2	#3
Application	light duty, hobby	light duty, hobby	light duty, maintenance & repair	medium duty, industrial
Amps	160 amp air cooled	180 amp air cooled	200 amp air cooled	300 amp air cooled
Duty Cycle Rating	60% CO2 gas	60% CO2 gas	60% CO2 gas	60% CO2 gas
Available Lengths	10', 12', 15', 20'	10', 12', 15', 20'	10', 12', 15', 20', 25'	10', 12', 15', 20', 25'
Rear Plug Connections	Tweco, Miller®, Lincoln®, Euro-Kwik	Tweco, Miller, Lincoln, Euro-Kwik	Tweco, Miller, Lincoln, Euro-Kwik	Tweco, Miller, Lincoln, Euro-Kwik
Options / Features	<ul style="list-style-type: none"> • Knucklehead™ 	<ul style="list-style-type: none"> • quick change • swivel conductor tube • Knucklehead™ 	<ul style="list-style-type: none"> • metal jacketed conductor tube • Knucklehead™ 	<ul style="list-style-type: none"> • metal jacketed conductor tube
Nozzle Series	21 series	21 series	22 series	23 series
Tip Series	11 series	11 series	14 series	14 series
Diffuser Series	35-50	51 series	52 series	54 series
Nozzle Insulator	none (self insulated nozzle)	none (self insulated nozzle)	32 series	none (self insulated nozzle)
Conductor Tube Series	35-60, 45 & 60°	61 series 45 & 60°	62J series 45 & 60°	63J series 45 & 60°
Liner Series	40 series	42 series	42 series	44 series



	WS150	WS250	WS400	SpitFire® 180
Application	light duty, hobby	light duty, industrial & repair	heavy duty, manufacturing	light duty, hobby
Amps	150 amps air cooled	250 amps air cooled	400 amps air cooled	180 amps air cooled
Duty Cycle Rating	60 % CO2 gas	60 % CO2 gas	60 % CO2 gas	80% CO2 gas
Available Lengths	10', 12', 15'	10', 12', 15', 20', 25'	10', 12', 15', 20', 25'	10', 15', 20', 25'
Rear Plug Connections	Tweco, Miller, Lincoln, Euro-Kwik	Tweco, Miller, Lincoln, Euro-Kwik	Tweco, Miller, Lincoln, Euro-Kwik	Tweco, Miller, Lincoln, Euro-Kwik
Options / Features	<ul style="list-style-type: none"> • metal jacketed conductor tube • front & rear steel spring strain relief 	<ul style="list-style-type: none"> • metal jacketed conductor tube • front & rear steel spring strain relief 	<ul style="list-style-type: none"> • metal jacketed conductor tube • front & rear steel spring strain relief 	<ul style="list-style-type: none"> • metal jacketed & swivel conductor tube • front & rear steel spring strain relief • ergonomic
Nozzle Series	WS 21-50	WS22-50	WS24A62	21 series
Tip Series	WS11 series	WS14 series	WS14 series	11 series
Diffuser Series	WS51	WS52	WS54	WS51 series
Nozzle Insulator	none (self insulated nozzle)	none (self insulated nozzle)	WS34A	63J3 series
Conductor Tube Series	WM150J Series 45 & 60°	WM250J Series 45 & 60°	64J-60 or 64J-45 (20' and 25' models)	TS62J Series 45 & 60°
Liner Series	WS42 Series	WS44 Series	WS44 Series	WM42 Series

Miller is a registered trademark of Illinois Tool Works, Inc. Lincoln is a registered trademark of Lincoln Electric Co. The afore mentioned trademarks are in no way affiliated with Tweco or Thermadyne Industries, Inc.

TWECO Website Keyword Search Tip –
In addition to the product name and part number, you can search using keywords such as arc welding accessories, MIG guns, a532, twecolong, electrode holders and contact tips. (See Index on pages 6-7 for more info.)

Tweco®
Professional

Tweco®
Professional



MIG Guns

	#4	Spray Master® 250	Spray Master® 350	Spray Master® 450
Application	heavy duty, industrial	heavy duty, pulse & spray	heavy duty, pulse & spray	heavy duty, pulse & spray
Amps	400 amp air cooled	250 amps air cooled	350 amps air cooled	450 amps air cooled
Duty Cycle Rating	60% CO2 gas	80% Duty Cycle with Argon Mixed gas	80% Duty Cycle with Argon Mixed gas	80% Duty Cycle with Argon Mixed gas
Available Lengths	10', 12', 15', 20', 25'	10', 12', 15', 20', 25'	10', 12', 15', 20', 25'	10', 12', 15', 20', 25'
Rear Plug Connections	Tweco, Miller, Lincoln, Euro-Kwik	Tweco, Miller, Lincoln, Euro-Kwik	Tweco, Miller, Lincoln, Euro-Kwik	Tweco, Miller, Lincoln, Euro-Kwik
Options / Features	<ul style="list-style-type: none"> metal jacketed conductor tube Knucklehead™ 	<ul style="list-style-type: none"> metal jacketed & swivel conductor tube Knucklehead™ ergonomic 	<ul style="list-style-type: none"> metal jacketed & swivel conductor tube dual schedule locking trigger Knucklehead™ ergonomic 	<ul style="list-style-type: none"> metal jacketed & swivel conductor tube dual schedule locking trigger long tubes Knucklehead™ ergonomic
Nozzle Series	24 series	HD22 Series	EL22CT Series	HD24 Series
Tip Series	14 series	11 series	16 Series	16 series
Diffuser Series	54 series	HD52-11	EL52CT series	MS54, HD54 Series
Nozzle Insulator	34 series	none (self insulated nozzle)	none (self insulated nozzle)	none (self insulated nozzle)
Conductor Tube Series	64J series 45 & 60°	MS63 series, 45, 60 180°	MS64H series, 45, 60, 180°	MS64H series, 45, 60, 180°
Liner Series	44 series	42 series	44 series	44 series

** This info is related to std. gun configurations**

Tweco®
WeldSkill®



	SpitFire® 250	SpitFire® 450
Application	light duty, industrial, repair	heavy duty, manufacturing
Amps	250 amps air cooled	450 amps air cooled
Duty Cycle Rating	80% CO2 gas	80% CO2 gas
Available Lengths	10', 15', 20', 25'	10', 15', 20', 25'
Rear Plug Connections	Tweco, Miller, Lincoln, Euro-Kwik	Tweco, Miller, Lincoln, Euro-Kwik
Options / Features	<ul style="list-style-type: none"> metal jacketed & swivel conductor tube front & rear steel spring strain relief ergonomic 	<ul style="list-style-type: none"> metal jacketed & swivel conductor tube front & rear steel spring strain relief ergonomic
Nozzle Series	HD22 Series EL22 Series	HD24 Series EL24 Series
Tip Series	11H series EL16 Series	16S Series EL16 Series
Diffuser Series	TS52HD Series EL52HD Series	HD54 Series EL54 Series
Nozzle Insulator	63J3 series	63J3 series
Conductor Tube Series	TS62J Series 45 & 60°, standard & eliminator	TS64J Series 45 & 60°, standard & eliminator
Liner Series	WM42 Series	WM44 Series

Part No.	Stock No.	Description
TWECO PROFESSIONAL		
3515K4	10001602	MINI-MIG 160, 15' 3035 NH480
M3515K4	10001607	MINI-MIG 160, 15' M, 3035 NH480
1123035K4	10101630	NO. 1, 12', 3035, NH480
M1153035K4	10101625	NO. 1, 15', M, 3035, NH480
2154045K4	10201660	NO. 2, 15', 4045, NH480
M2154045K4	10201661	NO. 2, 15', M, 4045, NH480
4153545K3	10401685	NO. 4, 15', 3545, NH360
4153545K4	10401686	NO. 4, 15', 3545, NH480
M4153545K3	10401687	NO. 4, 15', 3545, NH360
M4153545K4	10401688	NO. 4, 15', M, 3545, NH480
L4153545K4	10401689	NO. 4, 15', L, 3545, NH480
X4153545K4	10401690	NO. 4, 15', E, 3545, NH480
MS212M3545K4	10231013	SM 250, 12', M, 3545, NH480
MS2153545K4	10231011	SM 250, 15', 3545, NH480
MS215M3545K4	10231014	SM 250, 15', M, 3545, NH480
MS315116K4	10361715	SM 350, 15', 116, NH480
MS315M116K4	10361716	SM 350, 15', M, 116, NH480
MS315L116K4	10361717	SM 350, 15', L, 116, NH480
MS415116K4	10401530	SM 450, 15', 116, NH480
MS415M116K4	10401531	SM 450, 15', M, 116, NH480
MS415L116K4	10401533	SM 450, 15', L, 116, NH480
MS415X116K4	10401532	SM 450, 15', E, 116, NH480
TWECO WELDSKILL		
WM250154045K4	10271060	WS 250, 15', 4045, NH480
WM250M154045K4	10271061	WS 250, 15', M, 4045, NH480
WM40015116K4	10401170	WS 400, 15', 116, NH480
WM400L15116K4	10401172	WS 400, 15', L, 116, NH480
WM400M15116K4	10401171	WS 400, 15', M, 116, NH480
WSP2253545K3	10271381	WS SPOOL GUN 225, 15', 3545, NH360
TS1153035K4	10131115	SPITFIRE 180, 15', 3035, NH480
TS115M3035K4	10131116	SPITFIRE 180, 15', M, 3035, NH480
TS2154045K4	10231166	SPITFIRE 250, 15', 4045, NH480
TS215M4045K4	10231167	SPITFIRE 250, 15', M, 4045, NH480
TS415116K4	10401220	SPITFIRE 450, 15', 116, NH480
TS415M116K4	10401221	SPITFIRE 450, 15', M, 116, NH480
TS415L116K4	10401222	SPITFIRE 450, 15', L, 116, NH480

Consumables

Tips, Diffusers, Nozzles, Conductor Tubes and Wire Conduit to meet all your MIG gun needs. Here is just a sampling of our complete line. . .

Contact Tips

Eliminator® Style Contact Tips



Standard Contact Tips for Traditional and Spray Master® Guns Standard, Tapered & Heavy Duty Styles



Chrome Zirconium Copper "RZ" Contact Tips



Copper-Silver Tweco Robotics "RS" Contact Tips



Diffusers

Eliminator Style Diffusers



Diffusers for Traditional Style Guns



Heavy Duty Diffuser for Spray Master Guns

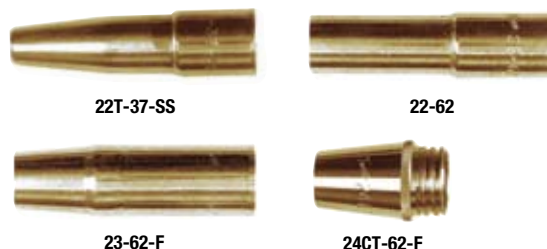


Nozzles

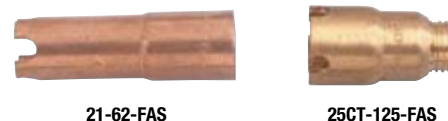
Eliminator Style Nozzles



Standard Nozzles for Traditional and Spray Master Guns Standard, Tapered & Heavy Duty Styles

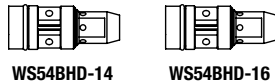


Optional Nozzles

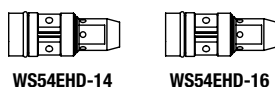


Competitive Style Diffusers

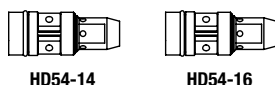
BERNARD® Style Diffusers



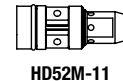
ESAB® Style Diffusers



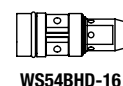
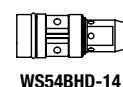
TREGASKISS® Style Diffusers



MILLER® Style Diffuser



OXO® Style Diffusers



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Wire Conduit

Wire Conduits for All Guns

Eliminator®, Traditional & Spray Master®



42-3035-15

Conductor Tubes

Conductor Tubes for Eliminator, Traditional & Spray Master Guns
45° and 60° Tube Angles



MS63-60S



64EX-45



35-60-60



64J-60

Flexible Conductor Tubes



Knucklehead™

Model	Part Number	Footnote Code	Stock Number
Mini	3560SFX480	2	16001141
#1	61SFLX480	2	16101105
#2	62SFLX360	1	16201105
	62SFLX480	2	16201106
#4	64SFLX360	1	16401112
	64SFLX480	2	16401113
	64SFLX360LR	1*	16401121
	64SFLX480LR	2*	16401122
MS250-MS350	MS62SFLX360	1	16201341
	MS62SFLX480	2	16201342
	MS63SFLX360	1	16301197
	MS63SFLX480	2	16301198
MS450	MS64SFLX360	1	16401307
	MS64SFLX480	2	16401308
	MS64SFLX360LR	1*	16401309
	MS64SFLX480LR	2*	16401310

1 - Three connector design - bends up to 60°

2 - Four connector design - bends up to 80°

* - Extended reach design - 2 inches longer

- Improved Weld Quality
- Less Welder Fatigue
- Lasts Longer Than Any Design on the Market Today
- Eliminates Downtime Caused by Changing Conductor Tubes
- Increased Productivity
- Improved Gun Ergonomics

NEW & Improved Tweco Website

Visit our new website, same address, newer look, more features. Website now allows the user to look up specific part numbers for detailed specifications, including images and literature available. Stop by and check it out.

www.tweco.com

WHERE TO BUY SERVICE & SUPPORT

THERMADYNE CORPORATE THERMADYNE BRANDS

PROCESSES/APPLICATIONS BY THERMADYNE

GAS APPARATUS **VICTOR**

WELDING EQUIP **Tweco**

PLASMA CUTTING **BERNARD DYNAL**

ARC GROUTING & CUTTING **ARCITE**

POWER SUPPLIES **THERMAL ARC**

HARDFACING & ALLOYS **STODDY**

WELDING & CUTTING **ECOWELD**

BRAZING & SOLDERING **TURBOFORCH**

Tweco Professional

PRODUCTS | ABOUT US | LITERATURE | RESOURCE CENTER | NEWS | PRODUCT SPOTLIGHT | PROMOTIONS | HOME

TWECO is the leader in MIG ARC WELDING guns, gun kits and accessories.

- MIG GUNS
- GROUTING TORCHES
- ELECTRODE HOLDERS
- GROUND CLAMPS
- ROBOTICIZED ARC WELDING

Decrease Welder Fatigue

Tweco Flexi-MIG™
Conductor Tube

LEARN & WIN

ARC WELDING PRODUCTS AND ACCESSORIES

TEST your knowledge and enter TO WIN A \$100 Bass Pro Shops gift card.

[CLICK HERE](#)

Current News

[Adapter/Gas Diffuser for Bernard Style MIG Guns](#)

[Tweco® Switchable Magnetic Ground Clamps](#)

CARRY THE TORCH PROFILES

16052 Swingle Ridge Rd. : Suite 300 : St. Louis, MO 63017

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Manual Arc Welding Equipment

TwecoTong® Electrode Holders

200, 250, 300, 350, 400 & 500 AMP

- Copper Alloy Body
- Reversible Top and Bottom Insulators
- Efficient 6-position Jaw Patterns
- Fully Insulated/Protected Springs
- Ball-point Cable Connection

A-532
(200A)



A-316
(250A)



A-732
(300A)



A-14
(350A)



A-14-HD
(400A)



A-38-HD
(500A)



Tweco-Tite® Electrode Holder

400 AMP

4TT
(400A)



Ground Clamps

Steel, Copper & Flat Ground Clamps

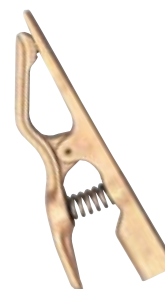
- Steel Ground Clamp (300A & 500A)
- Copper Ground Clamp (200A, 300A & 500A)
- Flat Ground Clamp (200A & 300A)



SGC-500
(500A)



GC-300
(300A)



FGC-500
(500A)

Heavy Duty Rotary Ground Devices

400, 600, 800, 1500 & 2000 AMP

- Available with 1, 2 or 3 Heads
- Simple Tension Adjusting Bolt for Maximum Efficiency
- No Brushes, Springs or Mercury
- 2" Shaft



RG-440
(1500A)



GCRG-140
(400A)

Roto-Work Grounding Clamps

500, 600, 1200 & 2000 AMP

- Work in Conjunction with Rotary Ground Devices
- Large Tightening Screws and Ample Contact Surface Area for Efficient Operation



WCGR-1200
(1200A)



GC-600-75
(Clamp Only)

Switchable Magnetic Ground Clamps

Do you want to save time and money? Add convenience in welding with the Switchable Magnetic Ground Clamp from Tweco. Designed for use in flat and pipe applications, Switchable Magnetic Ground Clamps are easy to operate, easy to mount and can withstand heat up to 176° F (80° C). Turn the knob clockwise and you instantly have a secure grip.



Part Number	Description
SMGC200	200 Amp
SMGC300	300 Amp
SMGC600	600 Amp



Terminals and TwecoLugs

Screw-on Terminals

- Fit 1/2" (12.7mm) Terminal Size
- 3 Sizes Available

2-SF-50



Female Terminals

- 17/32" (13.5mm) Stud Hole Size
- Various Configurations Available

1-AF



1-OF



Cable Connectors

MPC & Whip Cable Connectors

- Positive Cam Action Optimizing Interfacing
- Heat and Oil Resistance Covers
- Zinc Plated Cover and Ball-point Cable Screws
- Various Cable Capacities & Packages Available



4-MPC



2-1-MPC

Ball-Point Connection Type Lugs

- 17/32" (13.5mm) Stud Hole Size
- Various Configurations Available

40-180



10-45



10-45C



40-180C



Heavy Duty Type Lugs

- Mechanical Ball-Point
- Various Configurations Available

140-HD-180



240-HD-180



140-HD-180C



TwecoLugs[®]

Crimp & Solder Type

- 150A, 225A, 250A & 325A Rating
- 50A, 70A & 90A Rating (Power Cable Lugs)
- Various Cable Sizes Available

T-40HD
(325A)



T-120
(225A)



T-46
(90A)





Tweco Robotics Quick Robotics

Welcome to world class Tweco Robotics MIG guns and accessories. The engineers at Tweco have worked overtime to continue the tradition of delivering best in class robotics MIG guns and accessories that will provide the reliability and value you expect from Tweco.

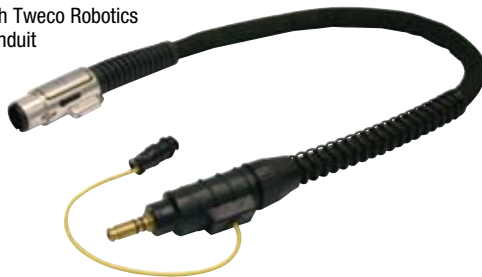
Robotic MIG Guns and Accessories

QRL Series Robotic MIG Gun

400 Amp Lightweight Air-Cooled MIG Gun

The new Tweco Robotics Quick Robotic Light Weight MIG Gun (QRL) offers the ideal MIG gun for "Table Top" robots. It is designed for ever day applications that require a lighter weight and smaller profile for robotic welding MIG gun functions.

- Quick Conductor Tube Lock for Easy Conductor Tube Replacement
- 40% Lighter Than the QRA Series MIG Gun
- E-stop Cable with Connections
- Smaller Physical Profile
- Compatible with Existing Mount Arms, and Uses Current conductor tubes and Consumables
- External Protective Sleeve
- Precision Front Case Assembly (gives high repeatability to mount and conductor tube)
- Furnished with Tweco Robotics R45-3545 Conduit



QRA Series Robotic MIG Gun

600 Amp Air-cooled MIG Gun

Tweco Robotics QRA series air-cooled MIG gun body and cable assemblies provide many features that will enhance your robotic welding application. MIG gun body and cable assemblies are furnished with these standard features:

- Improved Quick Tube Locking
- Standard 1 1/4" (41.28mm) Ø Mounting Cartridge Sleeve
- Precision Front Case Assembly (gives high repeatability to mount and conductor tube)
- Inch Switch Mounted in a Molded Housing on the Front MIG Gun Case
- E-stop Cable with Connections
- Both Front and Rear Heavy Cable Support Springs
- Kevlar[®]/Nylon Outer Protective Cable Cover
- Internal Protective Sleeve
- Internal Purge Hose for Spraying Protex[®] Antispatter Compound Through the Conductor Tube and Nozzle
- Furnished with Tweco Robotics R45-116 Conduit
- Furnished with a Tweco[®], Miller[®] and Lincoln[®] Rear Connector Plug



QRW / QRWA Series Robotic MIG Gun

600 Amp Water-cooled & Water/Air-Cooled MIG Gun

Tweco Robotics water-cooled MIG gun body and cable assemblies are offered in two (2) configurations. The QRW series features a water-cooled cable assembly while the QRWA series features an air-cooled cable assembly. Both accept the QTRW series water-cooled conductor tube. The QRWA series provides maximum cooling at the conductor tube end with a rugged, trouble free cable assembly.

- Water Shut-off Valves Located in the MIG Gun Body Assembly
- Color Coded "Water-in" and "Water-out" Hoses for Easier Hook-up
- Water Hose Quick Connections
- High Flow Rate – QRWA Series – for Improved Conductor Tube Cooling
- Larger Water Lines – QRW – for Improved Conductor Tube Cooling



RDM Series Deflection Mount

RDM 2000 Series

Tweco Robotics® RDM-2000 series — is a safety device designed to act as a switch between the conductor tube and the robot.

- Available in Three (3) models:
Part No. RDM-2000-S (Stock No. 3500-1155) – Light Duty
Part No. RDM-2000-M (Stock No. 3500-1156) – Medium Duty
Part No. RDM-2000-H (Stock No. 3500-1157) – Heavy Duty
- Units come standard with an air assist feature allowing the robot technician to increase the break-away pressure when required.
- E-Stop Cable Assembly- 18" long - Part No. RDM2000-JC (Stock No. 3044-1842) comes standard with the unit.



QRC™-2000 Nozzle Cleaning Station

The QRC Nozzle Cleaning Station has an advanced Rotary Impact Drive (RID) system which removes the spatter, allowing the cleaned MIG gun nozzle to continue the welding process. It also has a unique self-exhaust PDE cleaning system that keeps debris from the reamer blade area. The revolutionary clamp mechanism on the QRC-2000 system provides precise clamping on the nozzle.

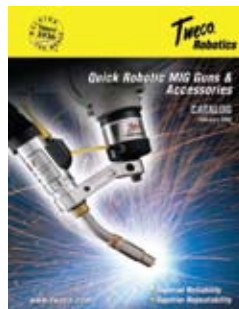
- Rotary Impact Drive (RID) System
- Dual Stage Pneumatic Clamping Device Ensures Positive, Secure Clamping on the Nozzle
- Easy to Program
- Two-Stage Cam Plate (2.5" cylinder) is a Solid Block with Universal Arm
- Pneumatic Drive Exhaust (PDE) System Blows Air Through Vent Holes on the Incline Housing Which Helps Prevent Slag Buildup in Shaft Area
- Uses Only Half the Air Consumption of Other Cleaning Stations
- Total Stroke Inside Nozzle 2" (50.8mm)
- Reamer Blade (QRC-100), Five Clamp Blocks and Programming Tools Included with the Unit



QRC-2000

**See our full line catalog
or visit us on the web
at www.tweco.com for
more information.**

Tweco Robotics
Quick Robotic MIG Guns
& Accessories Catalog
(Form No. 64-2203)



Cleaning Station Accessories

QWT-3 Wire Trim Unit

For use with QRC-2000



QWT-3

QRM-3 Anti-Spatter Mist Applicator

For use with QRC-2000



QRM-3

QRM-100 Anti-Spatter Mist Applicator

Reduce spatter build up in your MIG nozzle. Removal of spatter made easier. Provide better gas flow and improved weld quality.



QRM-100

Tweco Water Coolers

TC900 & TCV-900 Series

Enhance your water-cooled MIG welding process by incorporating a water-cooler from Tweco Products.

- Vertical or Horizontal Models Available
- Designed for MIG Guns up to 800 Amps and TIG Torches up to 500 Amps
- Stainless Steel Construction Eliminates Coolant Contamination Due to Electrolyte and Chemical Reactions
- High Efficiency Radiator Design Pulls Outside Air Through Radiator
- Available with Either Gear or Vane Pumps.
- Pump Bypass to Tank on Rotary Gear Pump – Keeps Pump from Overheating
- Vance Pumps are Equipped with a Bypass to Eliminate Excessive Pump Wear



TC-900



TCV-900



Tweco Robotics Fixed Automation

Tweco Robotics offers a complete line of automation MIG guns with or without cable assemblies. The product line consists of both air-cooled and water-cooled MIG guns and cable assemblies.

QF — TAM — RA — WRS

Each series offers something different that will meet your specific MIG fixed automation welding application specifications.

Thermadyne is excited to offer you incredible choices and innovation in fixed automation MIG welding equipment. Only the quality you come to expect from Tweco.

Fixed Automation MIG Guns and Accessories

QF Series Fixed Automation MIG Gun

QFA Air-cooled / QFW Water-Cooled

This series of Automation MIG guns is offered with and without cable assemblies. The series incorporates some of the same features found on the Tweco Robotics QR series MIG gun assemblies. Offered for use in MIG air-cooled and water-cooled welding applications.

Welding applications using the air-cooled QF series MIG guns can take advantage of the eight different bend configurations of air-cooled QTR66 conductor tubes. Welding applications requiring the water-cooled QF series MIG guns utilizes the water-cooled QTRW series conductor tubes, which are available in three different amperage ranges (300, 400, and 600), and eight different degrees of bend configurations.



TAM Series Fixed Automation MIG Gun

400 Amp & 500 Amp Air-Cooled

This series of Automation MIG guns is offered with and without a cable assembly. The series is only offered for air-cooled welding applications. There are two amperage ranges available, 400 and 500 ampere @ 60% duty cycle, both are offered with and without a cable assembly.

Mounting of this particular series is directly to the 1 1/8" (28.58mm) outside diameter of the MIG gun barrel. The outer surface of the MIG gun body is insulated from the inner tube by a polyester molding compound providing excellent di-electric properties.

TAM series with cable assemblies are offered in lengths of 2 ft. (.61m) to 15 ft. (5m).



RA Series Fixed Automation MIG Gun

400 Amp & 600 Amp Air-Cooled

This series of Automation MIG guns are offered only with a cable assembly and strictly for air-cooled welding applications. There are two amperage ranges to choose from, 400 and 600 ampere @ 60% duty cycle. Mounting surface is the outer diameter of the 1 5/8" (41.28mm) plastic case.

Five different bend configuration conductor tubes are available to choose from in each amperage range. The conductor tubes are keyed into the brass body of the assembly allowing a conductor tube to be replaced and the adjustments to be minimal when going from one tube configuration to another.



**See our full line catalog
or visit us on the web
at www.tweco.com for
more information.**

Tweco Robotics

Fixed Automation Arc Welding
Equipment & Consumables Catalog
(Form No. 64-2603)



WRS Series Fixed Automation MIG Gun

400 Amp & 600 Amp Water-Cooled

This series of Automation MIG guns are offered only with a cable assembly and strictly for air-cooled welding applications. There are two amperage ranges to choose from, 400 and 600 ampere @ 60% duty cycle. Mounting surface is the outer diameter of the 1 $\frac{5}{8}$ " (41.28mm) plastic case.

Five different bend configuration conductor tubes are available to choose from in each amperage range. The conductor tubes are keyed into the brass body of the assembly allowing a conductor tube to be replaced and the adjustments to be minimal when going from one tube configuration to another.



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TCV-900



TC-900

TJ-2 Tri-Just

An ideal holding fixture that provides a means to locate and hold your MIG gun in place.



TJ-2 TRI-JUST

TJ2-KB Keyed Bracket

MIG gun bracket for use with TJ-2 TRI-JUST.



TJ2-KB

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