

ARCAIR-MATIC® N7500

AUTOMATED GOUGING SYSTEM

The Arcair-Matic N7500 gouging system is highly productive for any metal fabrication operation where gouging and welding represents a large portion of the work schedule. This applies to almost all metals, including stainless steel, carbon, manganese, and chrome-moly steels.



DIGITAL LCD REMOTE PENDANT

- Ease of use – start/stop function, travel delay, electrode diameter
- Rough machining feature to stall the feed of the electrode to compensate for pitted area or out-of-round steel rolls, thereby maintaining the concentricity of the shaft/roll
- US Patent No. US 9101998 B2
- “Travel delay” function assures excellent groove geometry at the very beginning of the groove, thereby eliminating the need for a starting pad
- Shock-absorbent bumper
- Remote Pendant incorporates an emergency stop switch (E-Stop) when pressed in, will take precedence over any other “stop” signal and will drop out the engaged contactor in the power supply stopping the flow of current to the carbon electrode.



TORCH HEAD

- Small and lightweight while accepting the wide range of Arcair jointed Jetrods Copperclad DC carbons, 5/16" (7.9mm) through 3/4" (19.05mm)
- Can be oriented 360 degrees in any direction giving flexibility to fit the application



DIGITAL CIRCUITRY CONTROL BOX

- Redesigned digital circuitry control box
- A synergic mode ensures conformity to pre-determined, pre-selected groove depth and width specifications
- Can be used with CC/CV power supplies and the system utilizes the contactor in the welding power supply unit thereby eliminating the need for an external contactor used on prior models



COMPLETE N7500 GOUGING SYSTEM

Part No.	Description
65-991-015	Includes Remote Pendant, Control Box, Torch Head, Air Regulator and Electrode Tube Holder

SYSTEM CABLE ASSEMBLY OPTIONS*

Part No.	Description
110V AC POWER SUPPLY CABLE	
96-130-304	10 ft (3 m)
220V AC POWER SUPPLY CABLE	
96-130-305	10 ft (3 m)
PENDANT CABLE ASSEMBLY	
96-170-069	14" (0.36 m)
96-170-070	15 ft (5 m)
96-170-071	25 ft (8 m)
96-170-072	50 ft (15 m)
MOTOR CABLE ASSEMBLY	
96-130-335	3 ft (0.9 m)
96-130-336	15 ft (5 m)
96-130-337	25 ft (8 m)
96-130-338	50 ft (15 m)
POWER SUPPLY COMMUNICATION CABLE ASSEMBLY	
96-130-339	15 ft (5 m)
96-130-340	25 ft (8 m)
96-130-341	50 ft (15 m)
DC POWER CABLES	
96-130-254	4 ft (1.2 m)
96-130-256	15 ft (5 m)
96-130-300	25 ft (8 m)
NOTE: Minimum 2 Power Cables Required	
AIR HOSE ASSEMBLY	
94-396-051	4 ft (1.2 m)
94-396-049	15 ft (5 m)
94-396-048	25 ft (8 m)

*Must be ordered separately

ALL POSITION TRAVEL SYSTEMS

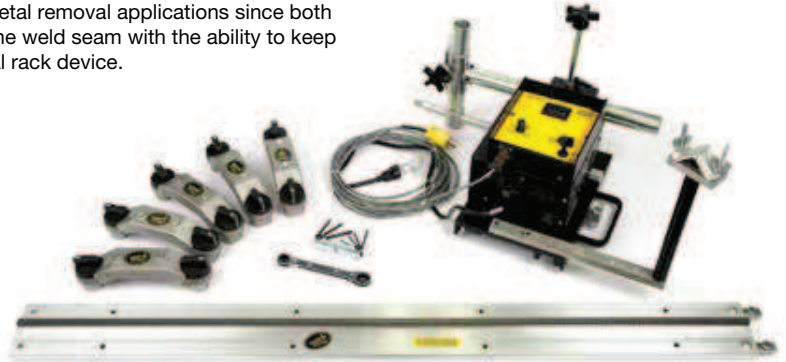
Arcair, the industry leader in air carbon-arc products partnered with leading travel system manufacturers to create the best all-around metal removal system providing superior performance, flexibility, versatility, and safety for your metal removal applications.

BUG-O® and GULLCO® tractors are ideal for out of position metal removal applications since both incorporate an aluminum track that guides the tractor down the weld seam with the ability to keep the Arcair-Matic N7500 torch head on track with a mechanical rack device.

BUG-O TRAVEL SYSTEM PACKAGES

ALL TRAVEL SYSTEMS INCLUDE A COMPLETE N7500 AUTOMATED GOUGING SYSTEM

- Remote Pendant
- Control Box
- Torch Head
- Arcair Electrode Tube Holder
- Arcair Air Regulator



BUG-O TRAVEL SYSTEM SPECIFICATIONS

Description	Part No.*	Carriage	Master Drive Unit	Arc Gouging Control Module	Arcair Mounting Group	Cable Mounting Assembly	Rail	On/Off Magnet
Rigid - 110 VAC	71-023-140	MPD-1065 (12" Releaseable Carriage)	MPD-1000 (110 VAC)	AGS-1002	AGS-4172	BUG-2975	ARR-1080 (Heavy-Duty Aluminum Rail)	ARM-2010 (5 Magnets)
Rigid - 220 VAC	71-023-141	MPD-1065 (12" Releaseable Carriage)	MPD-1002 (220 VAC)	AGS-1002	AGS-4172	BUG-2975	ARR-1080 (Heavy-Duty Aluminum Rail)	ARM-2010 (5 Magnets)
Flex - 110 VAC	71-023-142	FMD-1105 (HI-Flex Carriage w/ Handle & Clamp)	MPD-1000 (110 VAC)	AGS-1002	AGS-4172	--	FMD-2170 (HI-Flex Rail)	FMD-2010 (8 Magnets)
Flex - 220 VAC	71-023-143	FMD-1105 (HI-Flex Carriage w/ Handle & Clamp)	MPD-1002 (220 VAC)	AGS-1002	AGS-4172	--	FMD-2170 (HI-Flex Rail)	FMD-2010 (8 Magnets)

* System Part No. includes the BUG-O items as noted along with the Arcair-Matic N7500 System

GULLCO TRAVEL SYSTEM PACKAGES

ALL TRAVEL SYSTEMS INCLUDE A COMPLETE N7500 AUTOMATED GOUGING SYSTEM

- Remote Pendant
- Control Box
- Torch Head
- Arcair Electrode Tube Holder
- Arcair Air Regulator



GULLCO TRAVEL SYSTEM SPECIFICATIONS

Description	Part No.*	Carriage	Rack Box	Rack Bar	Welding Gun Attachment	Track	Track Magnet Devices
Rigid - 110 VAC	71-023-144	GK-200-RHB-N (GULLCO "KAT" Variable Speed Travel Carriage - 110 VAC)	GK-171-650 (GULLCO Heavy Duty Rack Box)	GK-171-047-2 (GULLCO 18" Long Heavy Duty Square Rack Bar)	GK-165-047-2 (GULLCO 4-Motion Semi-Automatic Welding Gun Attachment)	GK-165-052-1 (GULLCO 96" Aluminum Alloy Standard Track)	GK-165-215 (6 GULLCO Track Magnet Devices)
Rigid - 220 VAC	71-023-145	GK-200-RHC-N (GULLCO "KAT" Variable Speed Travel Carriage - 220 VAC)	GK-171-650 (GULLCO Heavy Duty Rack Box)	GK-171-047-2 (GULLCO 18" Long Heavy Duty Square Rack Bar)	GK-165-047-2 (GULLCO 4-Motion Semi-Automatic Welding Gun Attachment)	GK-165-052-1 (GULLCO 96" Aluminum Alloy Standard Track)	GK-165-215 (6 GULLCO Track Magnet Devices)

* System Part No. includes the GULLCO items as noted along with the Arcair-Matic N7500 System.

BUG-O is a registered trademark of the Weld Tooling Corporation. Gullco is a registered trademark of Gullco Enterprises Limited. The aforementioned registered trademarks are in no way affiliated with Arcair. Arcair is a registered trademark of ESAB.

ARCAIR-MATIC

STRAIGHT LINE FLAT POSITION CARRIAGE

TITAN TRAVEL SYSTEM PACKAGES

For metal removal applications in the flat position only, Arcair offers a machine carriage system that can carry the complete Arcair-Matic N7500 system and can be easily lifted on and off the work surface with an overhead crane. The track section consists of a steel "T" bar, machined on each end to permit joining additional sections easily. The same machine carriage can come with "outrigger" wheels to guide the carriage down the work surface, ideal for bridge girder back-gouging applications.

ALL TRAVEL SYSTEMS INCLUDE A COMPLETE N7500 AUTOMATED GOUGING SYSTEM

- Remote Pendant (72-008-020)
- Control Box (72-008-021)
- Torch Head (05-124-001)
- Arcair Electrode Tube Holder (94-893-082)
- Arcair Air Regulator (71-000-073)

With the exception of the Power Communication Cable Assembly, all other System Cable Assemblies, 110V AC Power Cable, Pendant Cable, Motor Cable, DC Power Cable, and Air Hose Assemblies are included.



ARCAIR TITAN TRAVEL SYSTEM SPECIFICATIONS

Description	Part No.*	Horizontal Rack Bar	Vertical Rack Bar	Outrigger Wheel Pkg	Track	Pointer Assembly	Magnet Supports	Cable-Hose Clamp	Lift Bracket
Titan Machine Carriage System Package with Track - 110 VAC	71-022-704	71-099-073	71-099-074	-	71-022-501 (Arcair 10 ft "T" Steel Track Section)	71-022-502	71-022-504 (3 Magnets)	71-022-506	94-111-168
Titan Machine Carriage System Package w/ Outrigger Wheel Package - 110 VAC	71-022-705	71-099-073	71-099-074	80345	-	-	-	71-022-506	94-111-168

* System Part No. includes the items as noted along with the Arcair-Matic N7500 System.

ARCAIR-MATIC

TITAN WITH OUTRIGGER WHEEL PACKAGE



ARCAIR TITAN MACHINE CARRIAGE

Ideal for any automated applications in metal fabrication operations where gouging, welding and cutting represents a large portion of your work schedule. And that applies to almost all metals, including stainless, carbon, manganese, and chrome-moly steels.

FLAT PLATE WORK

Arcair Titan Machine Carriage is designed for low maintenance and high performance in straight line operation such as automated air-carbon arc gouging, cutting or welding operations. Available in speed ranges from either 6 – 80 i.p.m. (15.2 – 203.2 cm/min).

SPECIFICATIONS:

- Length: 24" (61 cm)
- Width: 21" (53.3 cm)
- Height: 5-7/8" (14.9 cm)
- Weight: 61 lbs (27.7 kg)

WEIGHT CAPACITY:

Flat Position: 300 lbs (136.1 kg)

MOUNTING AREA:

254 Sq inches (1,639 sq cm)



TITAN® MACHINE CARRIAGE

Part No.	Description
71-022-501	Titan Machine Carriage - 6-80 ipm (110 VAC, 60 Hz)

ACCESSORIES

TRACK ASSEMBLY

Part No.	Description
71-022-502	Track Section 10 ft (3 m) Long

MAGNETIC AND SUPPORT BAR ASSEMBLY

(3 each required per 10 ft)

Part No.	Description
71-022-504	Magnet and Support Bar Assembly

ARCAIR HORIZONTAL & VERTICAL RACK BAR POSITIONERS

FEATURES & BENEFITS

RUGGEDNESS, RIGIDITY

- Made from heavy gauge aluminum and brass to operate under severe operating conditions

ACCURACY & EASE OF OPERATION

- Precision machined parts ensures accurate torch/tool positioning
- Positioners do not need to be disassembled to reposition or remove

HORIZONTAL RACK BAR POSITIONER

SPECIFICATIONS:

- Length: 26" (66.04 cm)
- Width: 4" (10.16 cm)
- Height: 9-5/8" (24.45 cm)
- Weight: 4.47 lbs (2.02 kg)



Part No.	Description
71-099-073	Horizontal Rack Bar Assembly

VERTICAL RACK BAR POSITIONER

SPECIFICATIONS:

- Width: 4-1/2" (11.43 cm)
- Height: 13-7/8" (35.24 cm)
- Depth: 6" (15.24 cm)
- Weight: 3.06 lbs (1.39 kg)



Part No.	Description
71-099-074	Vertical Rack Bar Assembly