



## Bug-O Systems

Automated Cutting and Welding Systems

412-331-1776

[www.bug-o.com](http://www.bug-o.com)

Bug-O Systems is guided by honesty, integrity and ethics in service to our customers and in all we do.

## A Powerful Solution for Arc Gouging Automation with Precision and Versatility!

Mechanize your Carbon Arc Gouging with Bug-O. A carbon arc gouger paired with the Modular Drive System (MDS) is suitable for most metals and is flexible enough for flat or curved work surfaces in all positions.



# ARC GOUGING SYSTEM

Bug-O Systems AGS-4000 Automatic Gouging System features a high resolution voltage control, automatic feed head and our Modular Drive System travel carriage. This combination regulates an accurate gouging depth and produces a smooth finish. The Automatic Gouging System is suited for long seams and out-of-position work. The gouging head has been redesigned for tool-less adjustments to accept jointed gouging electrodes from 5/16" (8 mm) to 3/4" (19 mm) up to 1600 amps with just the turn of a knob.

Either Constant Voltage (CV) or Constant Current (CC) power sources can be used with the AGS-4000 Automatic Gouging System. The mode is interchangeable by means of a toggle switch in the system's automatic controller.

## Controls:







# ARC GOUGING SYSTEM

## Gouging Kits

### AGS-4000 MDS Gouging Kit for Rigid Rail 120 VAC

Includes:

PART NO.	QTY	DESCRIPTION
AGS-4120	1	N7500 Arcair® Gouging System w/ Cables 120VAC
AGS-4050*	1	Rigid Gouging Bug-O Drive 120VAC

Includes:

PART NO.	QTY	DESCRIPTION
MPD-1065	1	12" Releasable Carriage
MPD-1000+	1	Master Drive Unit 120VAC
AGS-1002	1	Arc Gouging Control Module
AGS-4172	1	Arcair® N7500 Mounting Group
BUG-2975	1	Cable Mounting Assembly
ARR-1080	1	Heavy Duty Aluminum Rail
ARM-2010	5	R.E. On/Off Magnet

### AGS-4002 MDS Gouging Kit for Rigid Rail 240 VAC

Kit remains the same with the exception of the following changes:

- \*AGS-4052 Rigid Gouging Bug-O Drive 240VAC
- \*MPD-1002 Master Drive Unit 240VAC

### AGS-4100 MDS Gouging Kit for Hi-Flex Rail 120 VAC

Includes:

PART NO.	QTY	DESCRIPTION
AGS-4120	1	N7500 Arcair® Gouging System w/ Cables 120VAC
AGS-4150*	1	Hi-Flex Gouging Bug-O Drive 120VAC

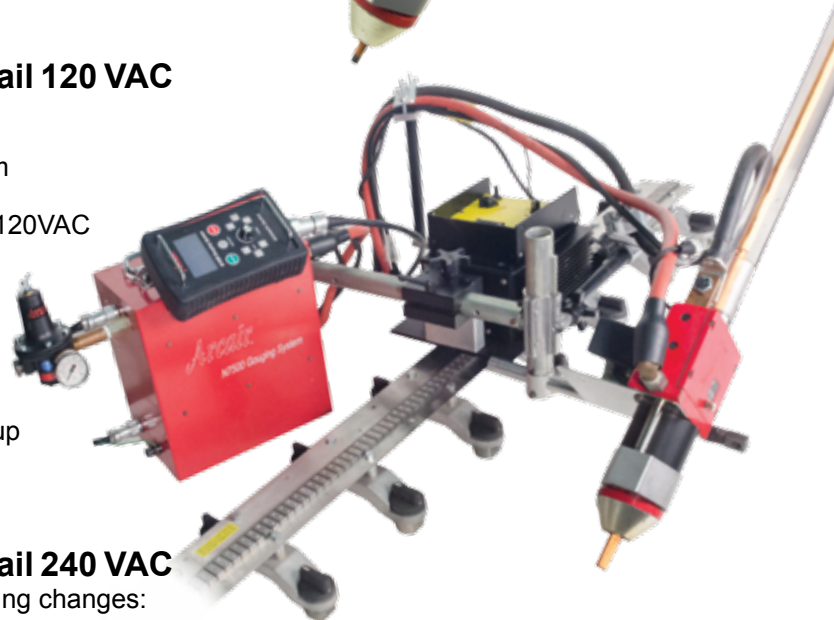
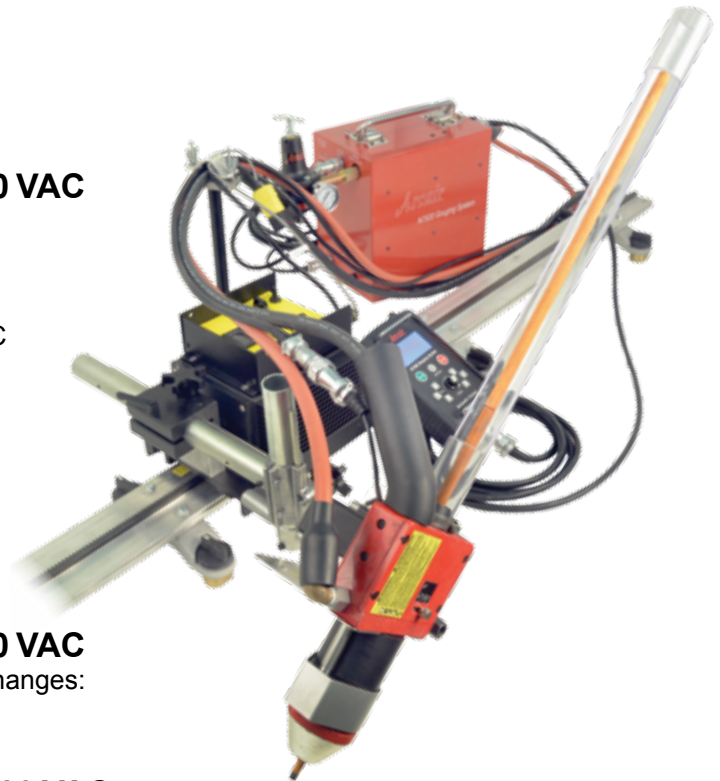
Includes:

PART NO.	QTY	DESCRIPTION
FMD-1105	1	Hi-Flex Carriage w/ Handle & Clamp
MPD-1000+	1	Master Drive Unit 120VAC
AGS-1002	1	Arc Gouging Control Module
AGS-4172	1	Arcair® N7500 Mounting Group
BUG-2975	1	Cable Mounting Assembly
FMD-2170	1	Hi-Flex Rail w/ 8 R.E. On/Off Magnet

### AGS-4102 MDS Gouging Kit for Hi-Flex Rail 240 VAC

Kit remains the same with the exception of the following changes:

- \*AGS-4152 Hi-Flex Gouging Bug-O Drive 240VAC
- \*MPD-1002 Master Drive Unit 240VAC



The smooth control of automated gouging provides an optimal work surface for any application.



# ARC GOUGING SYSTEM

## Technical Data

<b>Dimensions:</b>	19.8"L x 20-32.15"W x 15"H (502.92 x 508-816.61 x 381 mm)
<b>Load Capacity:</b>	Vertical - 60 lbs (27 kg) Horizontal - 100 lbs (46 kg)
<b>Speed Range:</b>	2-120 in/min (51-3048 mm/min)
<b>Drive Weight:</b>	52 lbs (23.59 kg)
<b>Contactor Box:</b>	34 lbs (15.42 kg)
<b>Net Weight:</b>	86 lbs (39.01 kg)
<b>Shipping Weight:</b>	100 lbs (45.36 kg)
<b>Shipping Dimensions:</b>	36"L x 34"W x 22"H (914.4 x 863.6 x 558.8 mm)



## Gouging Electrodes

Size	Part #	Quantity	Min. Amps DC	Max. Amps DC
5/16" (8 mm)	A440-312	Pkg. 100	400	450
3/8" (10 mm)	A440-375	Pkg. 100	450	600
1/2" (13 mm)	A440-500	Pkg. 100	800	1000
5/8" (16 mm)	A440-625	Pkg. 100	1000	1250
3/4" (19.1 mm)	A440-750	Pkg. 100	1250	1600

**Note:** This system requires a minimum of 60 psi compressed air.

## Dimensions

