
AGS-3000 Automatic Gouging System

Produce Smooth Accurate Gouges



BUG-O SYSTEMS
Automated Welding & Cutting
www.bugo.com

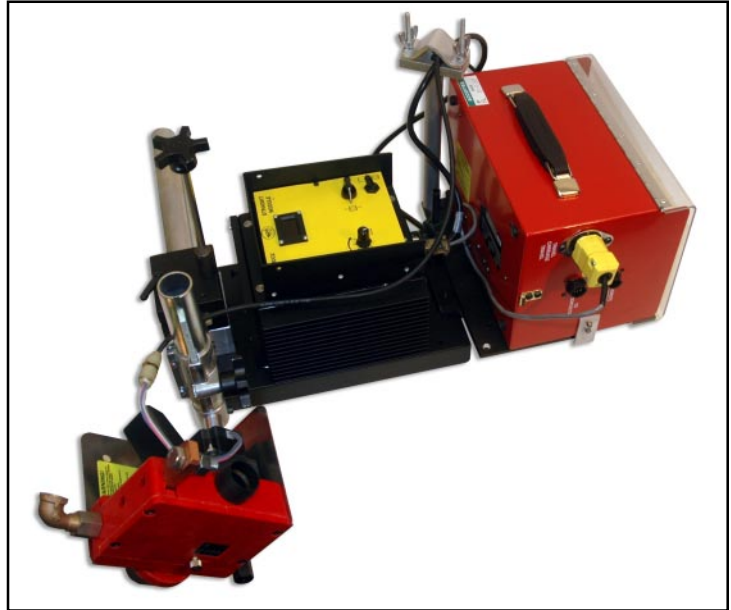




ARC GOUGING SYSTEM

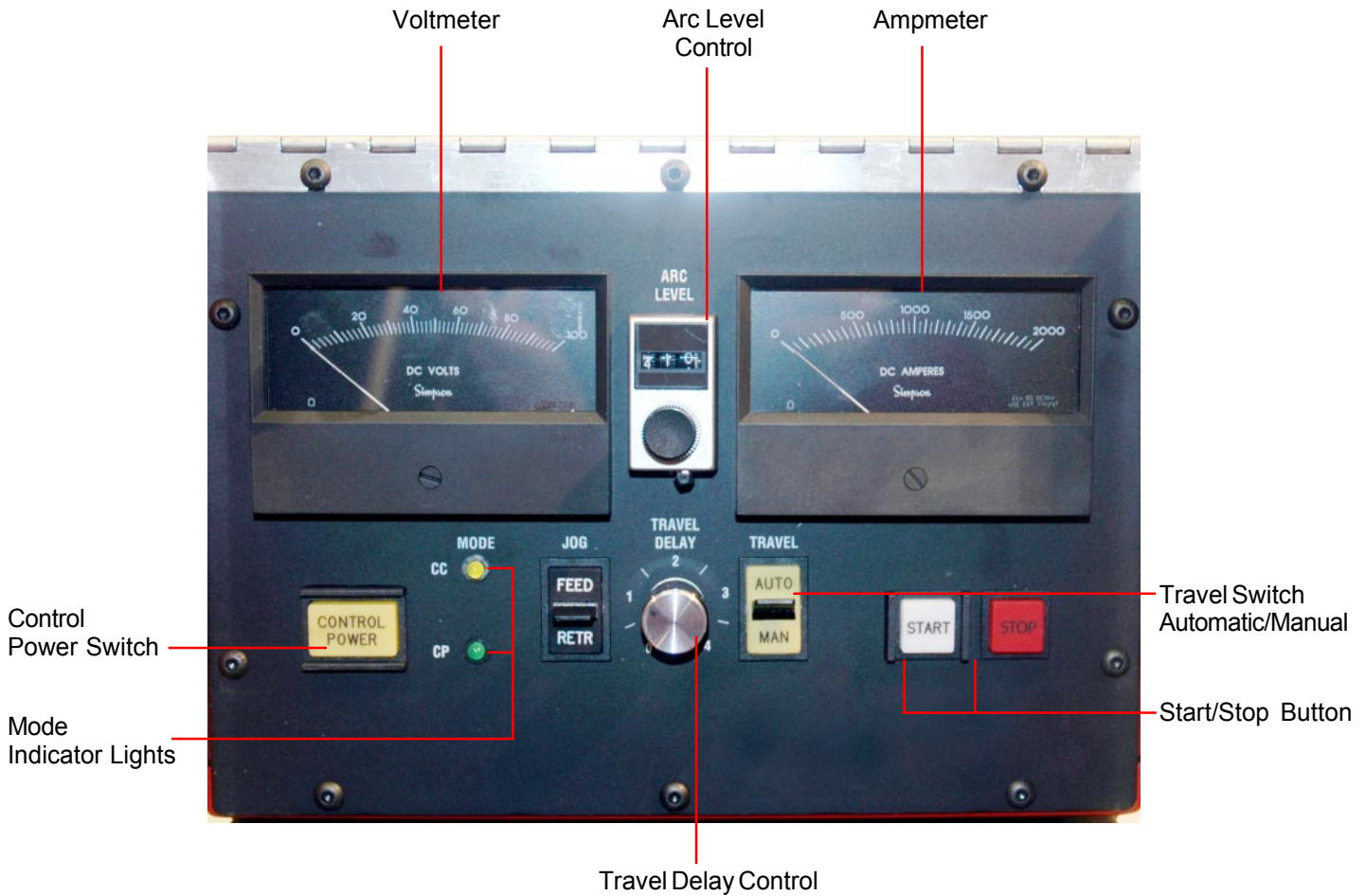
Bug-O Systems AGS-3000 Automatic Gouging System features a high resolution voltage control, automatic feed head and our Modular Drive System travel carriage. This combination regulates an accurate gouging depth and produces a smooth finish. The Automatic Gouging System is suited for long seams and out-of-position work. The AGS-3000 is designed to be used with 5/16" (8 mm) to 3/4" (19 mm) jointed gouging electrodes up to 1600 amps.

Ordinary welding machines are used as power sources for the AGS-3000 Metal Removal System. Either Constant Current (Variable Voltage) or Constant Potential (Variable Amperage) power sources can be used. The mode is interchangeable by means of a Toggle Switch in the System's Automatic Controller.



Arc Gouger AGS-3000

Instrument Panel

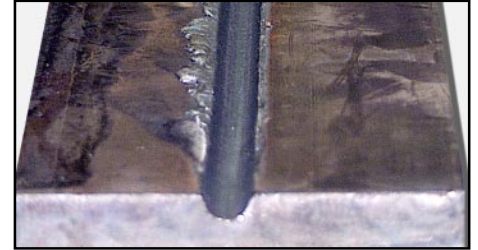




ARC GOUGING SYSTEM

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



*Requires a minimum of 60 psi compressed air.

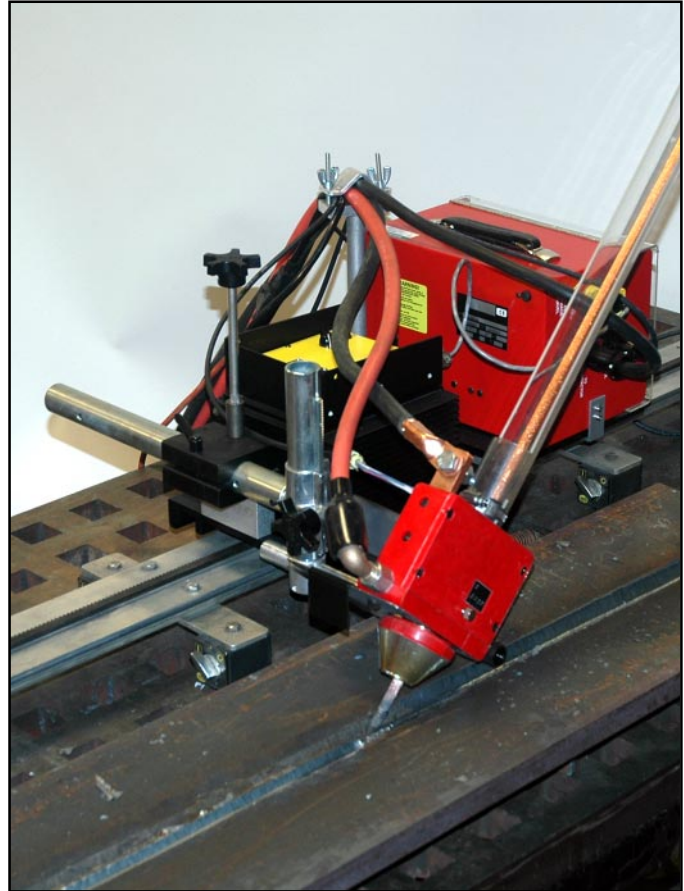
Electrode Diameter		Desired Depth		DC Current	Travel Speed Per Minute	
Inch	mm	Inch	mm	Amps	Inch	mm
5/16	7.9	1/8	3.2	400	65	1651
5/16	7.9	3/16	4.8	400	45	1143
5/16	7.9	1/4	6.4	450	36	914
5/16	7.9	5/16	7.9	450	33	838
5/16	7.9	7/16	11.1	450	22.5	572
3/8	9.5	1/8	3.2	500	70	1778
3/8	9.5	3/16	4.8	500	44	1118
3/8	9.5	1/4	6.4	500	35	889
3/8	9.5	3/8	9.5	500	20	508
3/8	9.5	9/16	14.3	500	17.5	445
1/2	12.7	1/8	3.2	850	96	2438
1/2	12.7	1/4	6.4	850	57	1448
1/2	12.7	3/8	9.5	850	35	889
1/2	12.7	1/2	12.7	850	24	610
1/2	12.7	3/4	19.1	850	17.5	445
5/8	15.9	1/4	6.4	1250	72	1829
5/8	15.9	3/8	9.5	1250	48	1219
5/8	15.9	1/2	12.7	1250	37	940
5/8	15.9	5/8	15.9	1250	30	762
5/8	15.9	15/16	23.8	1250	19.5	495
3/4	19.1	1/4	6.4	1400	72	1829
3/4	19.1	3/8	9.5	1400	42	1068
3/4	19.1	1/2	12.7	1400	34	865
3/4	19.1	5/8	15.9	1400	27	687
3/4	19.1	3/4	19.1	1400	22	560
3/4	19.1	1 1/8	28.6	1400	13	330



ARC GOUGING SYSTEM

Technical Data:

Power Supply:	120 VAC
Carrying Capacity:	Vertical: 60 lbs. (27 kg) Horizontal: 120 lbs. (54 kg)
Speed:	2-120 ipm (5-304 cm/m)
Dimensions:	14.58" H x 32.36" W x 27.34" L (370 x 822x 694 mm)
Net Weight:	95 lbs. (43 kg.)



AGS-3000 Arc Gouging Kit 120VAC Includes:

1	AGS-3050	Arc Gouging Unit
1	AGS-3059	Arc Gouging Mounting Kit
1	AGS-1002	Arc Gouging Control Module
1	MPD-1000	Master Drive Unit
1	MPD-1065	Carriage
1	MPD-1035	Handle with Cable Anchor

*Track sold separately

Dimensions:

