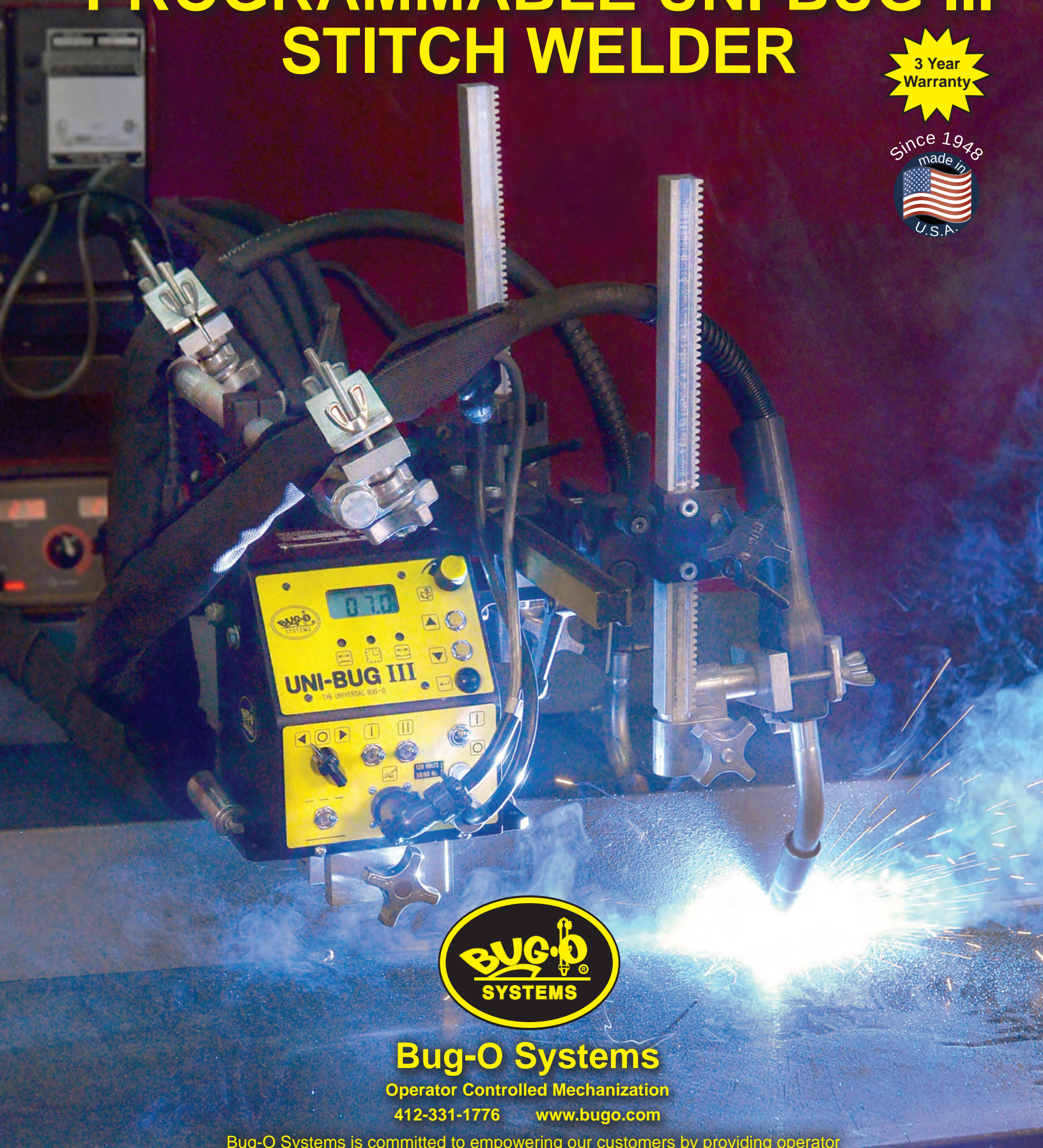


Produce uniform high quality welds with the:
**PROGRAMMABLE UNI-BUG III
STITCH WELDER**



Bug-O Systems

Operator Controlled Mechanization

412-331-1776 www.bug-o.com

Bug-O Systems is committed to empowering our customers by providing operator controlled mechanized solutions for their welding, cutting and custom applications.



THE UNI-BUG III STITCH WELDER

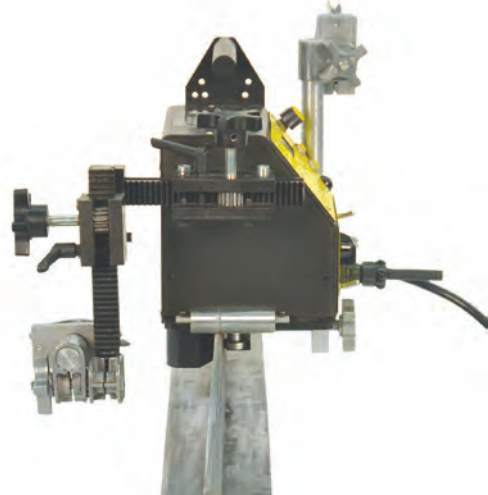
Produce stitch or continuous welds – Programmable by distance – Runs directly on the work piece – Carriage attachments designed to run a variety of structural steel profiles.

The UNI-BUG III will make continuous or intermittent stitch welds. The machine will mount and run directly on the work piece. The unit is available in a variety of kits. Each kit is designed to fit on a specific steel profile such as flat bar, angle, channel, I-beams and bulb flats (holland profiles).

The UNI-BUG III features stitch welding which is programmable by distance. If you require stitch welding simply set the selector switch to the intermittent weld setting and program the length of weld required, the length of skip and also the required delay for puddle build and crater fill. Through the use of an integrated weld contactor the UNI-BUG III will activate and deactivate your wire feeder automatically.

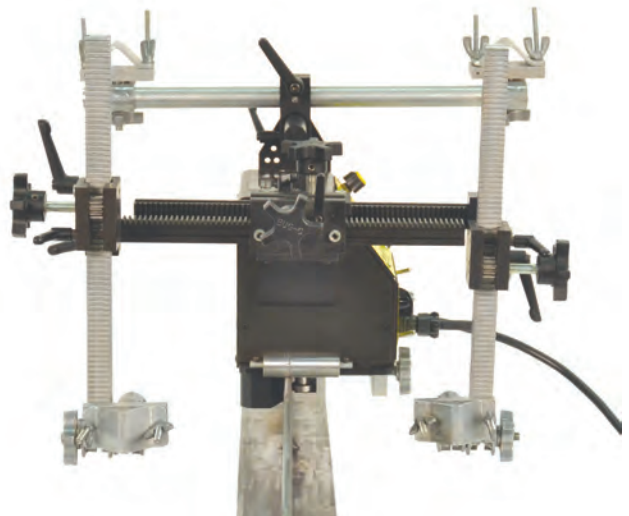
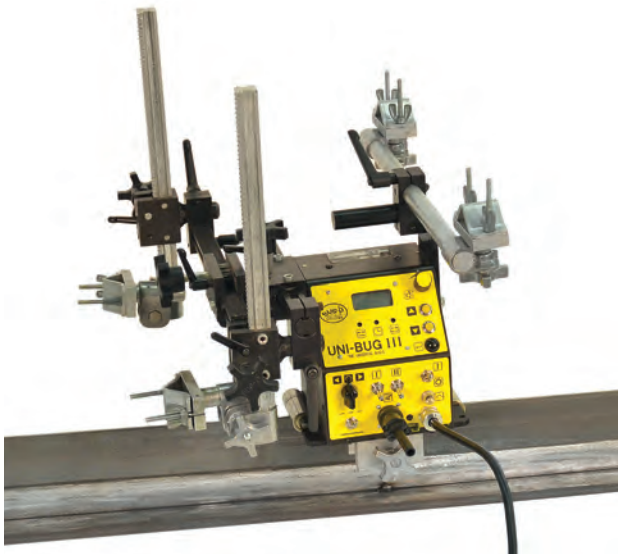
UNI-2500, 2502, 2504

The **UNI-2500 UNI-BUG III Single Torch Kit** is equipped for the mounting of a single torch and provides components to manually adjust the torch in the vertical and horizontal plane. The UNI-BUG III provides programmable control for stitch or continuous welding and is designed to mount and run on the top edge of a flat bar or stiffener with a minimum height of 2" (50 mm) and a maximum width of 2" (50 mm). The machine will turn on a radius down to 6" (160 mm). The unit will travel at speeds from 4 to 75 inches per minute (102-1905 mm/min).



UNI-2600, 2602, 2604

The **UNI-2600 UNI-BUG III Dual Torch Welding Kit** is the same as the UNI-2500, but is equipped for the mounting of two welding torches and provides components to manually adjust either torch in the vertical and horizontal plane.





THE UNI-BUG III STITCH WELDER

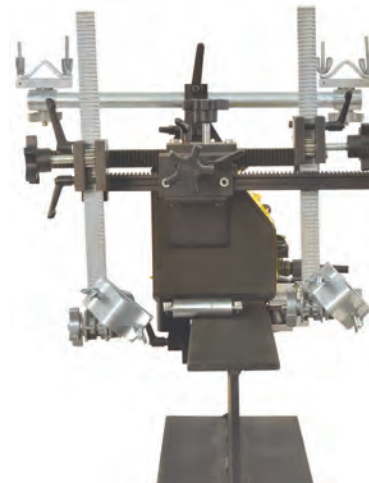
UNI-2700, 2702, 2704

The **UNI-2700 UNI-BUG III Dual Torch Bulb Profile Welding Kit** is equipped for the mounting of two welding torches and provides components to independently adjust either torch in the vertical and horizontal plane. The unit features programmable control for stitch or continuous welding and is designed for straight line welding of bulb flats. This unit will mount and run on bulb sizes from 140 mm to 430 mm. The unit will travel at speeds from 4 to 75 inches per minute (102-1905 mm/min).



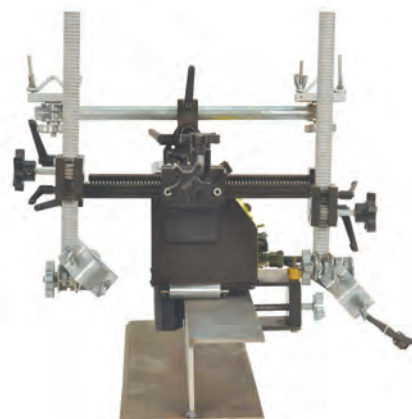
UNI-2800, 2802, 2804

The **UNI-2800 UNI-BUG III Dual Torch "T" Profile Welding Kit** is equipped for the mounting of two welding torches and provides components to independently adjust either torch in the vertical and horizontal plane. The **UNI-2800-4** works on "T" profiles 2"-4" (51-102 mm) range. The **UNI-2800-6** works on "T" profiles 4"-6" (102-152 mm) range. The unit features programmable control for stitch or continuous welding and is designed for straight line welding of "T" profiles. This unit will mount and run on top of "T" profiles with a minimum height of 2" (50 mm). The unit will travel at speeds from 4 to 75 inches per minute (102-1905 mm/min).



UNI-2900, 2902, 2904

The **UNI-2900 UNI-BUG III Dual Torch Angle Welding Kit** is supplied with the mounts for two welding torches and provides components to independently adjust either torch in the vertical and horizontal plane. The unit features programmable control for stitch or continuous welding and is designed for straight line welding of angles. The unit will mount and run on top of angles with a minimum height of 4" (102mm) and widths up to 4" (102mm). The unit will travel at speeds from 4 to 75 inches per minute (102-1905mm/min).





THE UNI-BUG III STITCH WELDER

All-In-One (AIO) Mechanized Guns for Uni-bugs and Universal Bug-O-Matic

Choose from the options below to fit your application.

1 GUN



Each gun includes:

- 5X 100-0490 / 65-3103 EHD Retaining Head/Diffuser
- 10X 100-0489 / 65-1135 EHD Contact Tip 0.035"
- 10X 100-0488 / 65-1145 EHD Contact Tip 0.045"
- 2X 100-0635 / 65-2550 Nozzle, Copper 1/2" Bore, 1/8" Tip Recess
- 1X 100-0492 / 64-4515 0.045-1/16", 15 Ft., Coil Liner

100-1011-1-4.5-XX 500 amp Lightning Auto Gun, 180 degree gooseneck with integrated cable management system

- 100-1011-1-4.5-T** Includes 100-0484 Tweco #4 Power Pin
- 100-1011-1-4.5-M** Includes 100-0485 Miller Power Pin
- 100-1011-1-4.5-L** Includes 100-0486 Lincoln Power Pin Old Style

2 BUG-O TRIGGER CABLE

Connects the contact cable in the torch to the contact trigger amphenol on the bug.

Required to choose 1 - check the power input module connection on your Bug to find out if it is 2 Pin or 4 Pin.



100-1012-1-0.15 4 Pin Male Panel Connector



100-1012-2-0.15 2 Pin Male Panel Connector

3 AIO TO BUG POWER ADAPTER (Bug End)



100-1013-1 Power Cord Adaptor for 120/42 VAC

4 WIRE FEEDER TRIGGER CABLES (Feeder End)

Required to choose 1

Connects the contact cable in the torch to the wire feeder.



100-1020-1-0.15 (two male spade connectors)



100-1020-3-0.15 5-P Lincoln



100-1020-2-0.15 4-P Miller

5 STANDARD POWER CORD (From Rear of Gun Cable to Power Input)



BUG-9454 120VAC



BUG-9454-42 42VAC



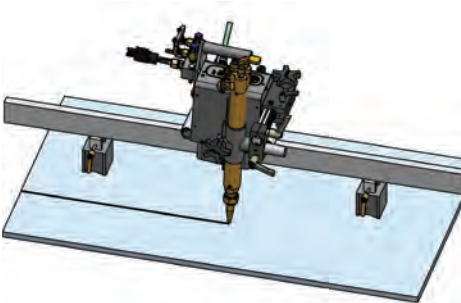
BUG-9454-240 240VAC

Contact American Torch Tip for other consumables: 800-342-8477

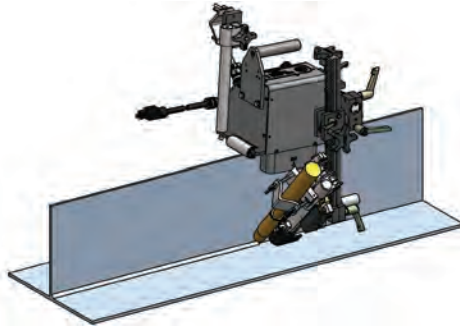


THE UNI-BUG III STITCH WELDER

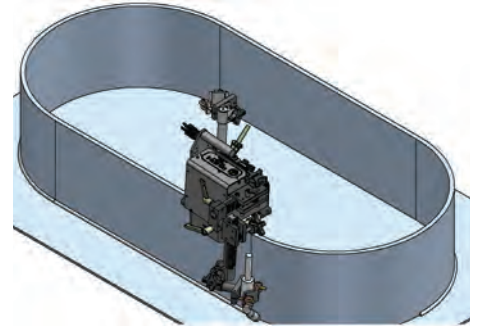
Typical UNI-BUG III applications:



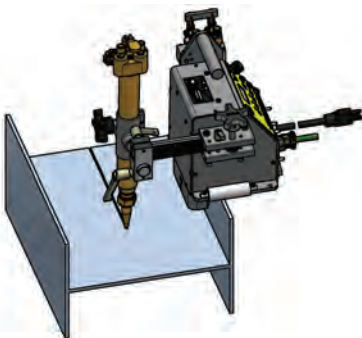
Straightline burning and welding



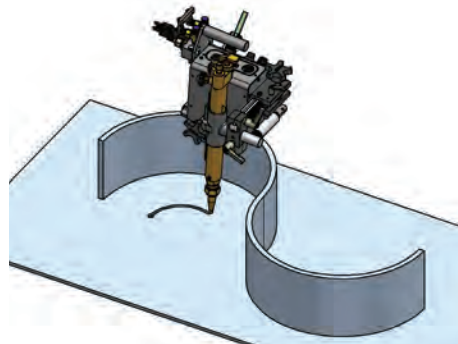
Fillet welding



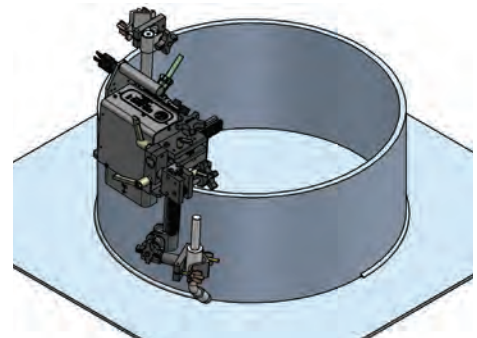
Coaming welding
(min. 5.5" (140 mm) height)



Beam splitting



Irregular shape burning and welding



Circle burning and welding

Technical Data:

Power Requirement:

UNI-2500, 2600, 2700, 2800, 2900 110 VAC/50-60/1
UNI-2502, 2602, 2702, 2802, 2902 240 VAC/50-60/1
UNI-2504, 2604, 2704, 2804, 2904 42 VAC/50-60/1

Welding Speed Range: 4 ipm to 75 ipm
(102 to 1905 mm/min)

Skip Speed: 75 ipm (1905 mm/min)

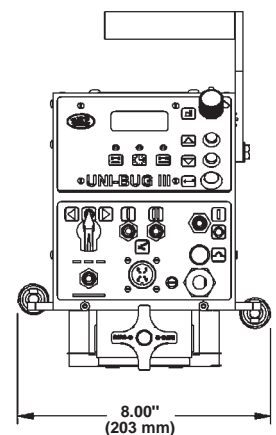
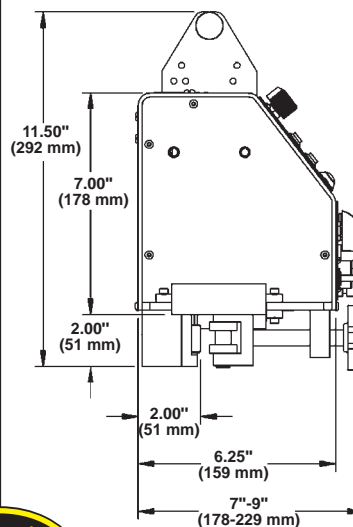
Minimum Stiffener Height: 2" (50.8 mm)

Net Weight: 27 lb. (12.2 kg)

Shipping Weight: 36.5 lb. (16.6 kg)

Dimensions:

UNI-2400, 2500, 2600 Only



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