

K-BUG 4000

DIGITAL, COMPACT FILLET WELDER

A magnetic travel carriage for welding continuous or stitch horizontal fillet welds while traveling on a vertical wall.



Bug-O Systems

Operator Controlled
Mechanization

412-331-1776

www.bugo.com

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



K-BUG 4000 DIGITAL, COMPACT FILLET WELDER

The **K-BUG 4000** digital, compact fillet welder creates continuous or intermittent “stitch” welds at a constant travel speed producing high quality, uniform welds in a fraction of the time required for manual welding. Digital programming of travel pattern and weld control eliminates excessive weld deposition and helps reduce defects. The machine’s guide wheels track the workpiece to provide precise, continuous weld placement.



Features:

The **K-BUG 4000** incorporates the following features:

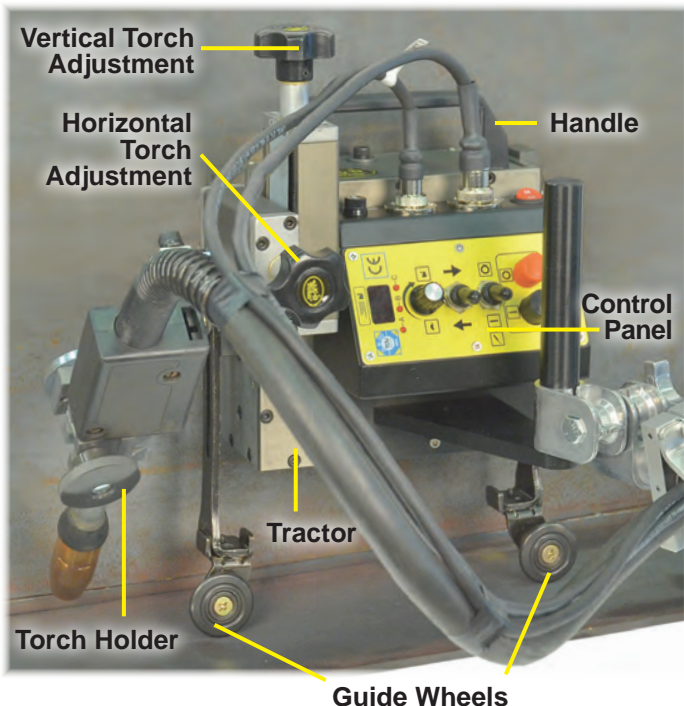
- State of the art digital technology insures accuracy
- High torque, low inertia motor for precise stops and starts
- Drive unit motor overload protection
- Lightweight carriage with powerful permanent magnets to grip work piece
- Carriage Travel and arc start in one switch
- Guide wheels track web, or flange, of work piece
- Closed loop speed control provides adjustable and repeatable control
- Programmable control of puddle build at weld start
- Programmable control of crater fill at weld end
- Stores travel settings after power is turned off
- Weld Contactor Enable switch
- Built-in Limit Switches stop tractor travel and welding when activated
- Will climb vertical with 25 lb. (11.5 kg) capacity
- Digital programming of weld length, skip length and total travel distance



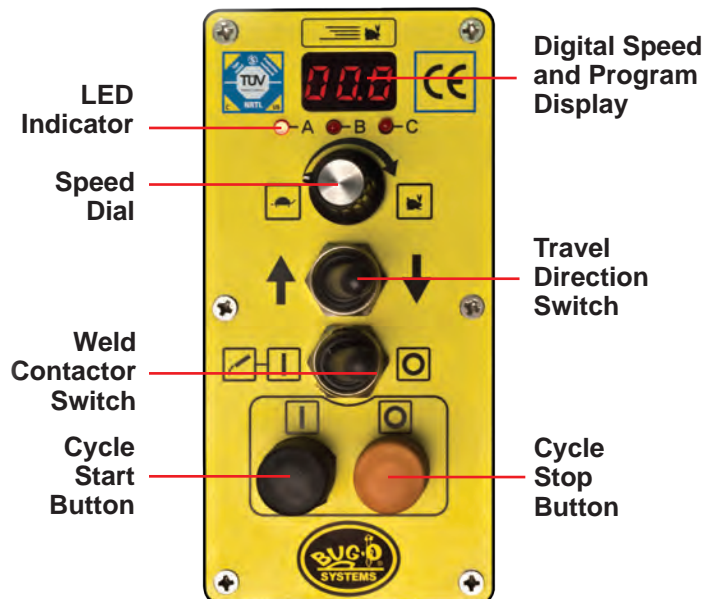
Continuous Weld



Stitch Weld



Controls:





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Accessories:

All-In-One (AIO) Mechanized Guns for KBUGs

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.



100-1012-3-0.15 KBUG-2T-F

3 AIO TO BUG POWER ADAPTER (Bug End)



100-1013-3-0.15 AC Power Cable, KBUG, 0.15M

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) 100-1020-2-0.15 4-P Miller



100-1020-3-0.15 5-P Lincoln



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

BUG-9454 120VAC



BUG-9454-240 240VAC



BUG-9454-42 42VAC



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

Optional Torch Holders Available:



KBUG-4089
Torch Holder (BUG-O Style)



KBUG-2080-1
1" Torch Holder



KBUG-1067 Magwheel Add-On Kit
For enhanced tracking of curved or irregular shapes



KBUG-4040 Cable Anchor
Now included as standard



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Technical Data:

Part Numbers:	KBUG-4000 (120VAC) KBUG-4002 (240VAC) KBUG-4004 (42VAC)
Power:	120VAC/50-60Hz/1Ph 240VAC/50-60Hz/1Ph 42VAC/50-60Hz/1Ph
Net Weight:	17 lbs. (7.5 kg)
Shipping Weight:	26.2 lbs. (12 kg)
Shipping Dimensions:	20" x 19" x 15" (508 x 482.6 x 381 mm)
Pulling Power:	25 lbs. (11.5 kg)
Torch Holder:	Fits barrels up to 0.75 in (19 mm) dia.
Travel Speed:	0.3 - 77 ipm (0.76 - 195.6 cm per min)
Z and Y Stroke:	1.25" (32 mm)
Welding Position:	Flat "down hand" position



Dimensions:

