

Bug-O Systems

Automated Cutting and Welding Systems

412-331-1776 www.bugo.com

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

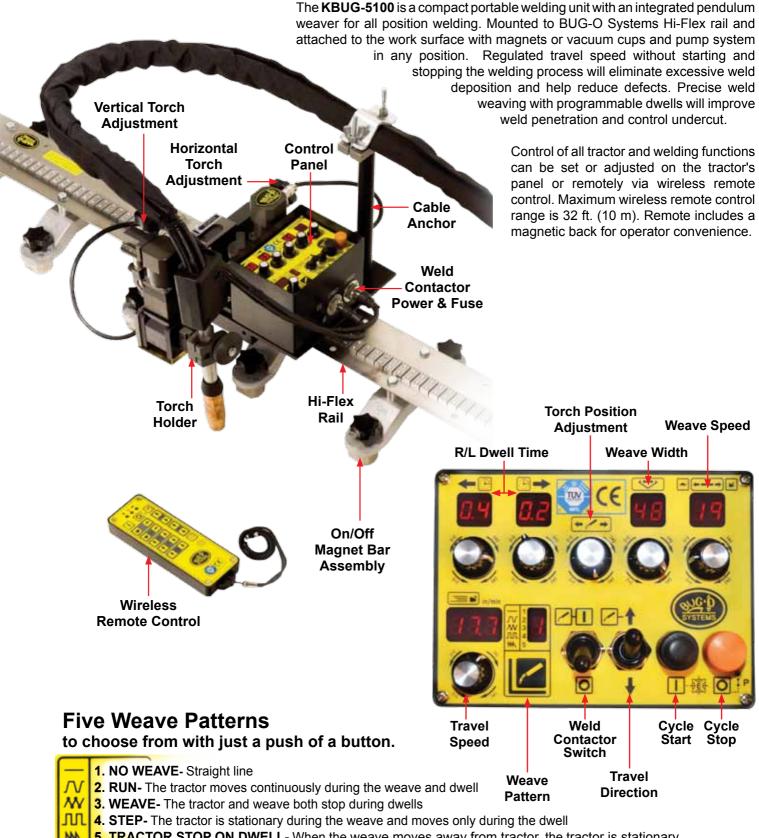
K-BUG 5100

DIGITAL, COMPACT, ALL POSITION PENDULUM WEAVE WELDER

A Hi-Flex Track guided travel carriage with oscillation for welding in all positions

Increases welding production, improves weld quality and reduces operator fatigue





5. TRACTOR STOP ON DWELL- When the weave moves away from tractor, the tractor is stationary When weave moves towards tractor, the tractor also moves



K-BUG 5100 DIGITAL COMPACT ALL POSITION WEAVE WELDER

Features:

- High torque, low inertia motor for precise stops
 and starts
- Lightweight and easy to carry, weighing just 18 lbs. (8.2 kg)
- Hi-Flex Rail with rack and pinion drive insures
 precise path and consistent speed
- Hi-Flex Rail flat or bent inside/outside to a radius of 30" (762 mm)
- Precision drive motor prevents unit from moving when power is off
- High geared pendulum motor prevents torch movement when power is off
- High speed motor for pendulum weaving
- Programmable puddle control and crater fill
- Independent control of pendulum weaving right and left dwell times
- Drive unit motor overload protection
- Closed loop speed and position control for adjustable and repeatable operation
- Closed loop speed control to prevent drift from center weld position
- Storage of welding parameters after power is turned off
- Carriage Travel and arc start in one switch
- Wireless Remote Control
- Independent control of puddle build and crater fill
- Weld Contactor ON/OFF Switch

Torch Options:



SBG-450-L-(A)-(B)	450 Amp Gun/Lincoln 3/4" (19 mm)
	For LN7, LN8, LN9, LN25, LN742,
	Synergic 7 & LN10 w/ adapter
SBG-450-T-(A)-(B)	450 Amp Gun/Lincoln Std.
	For all other Lincoln products
	450 Amp Gun/Miller
SBG-450-E-(A)-(B)	450 Amp Gun/Euro

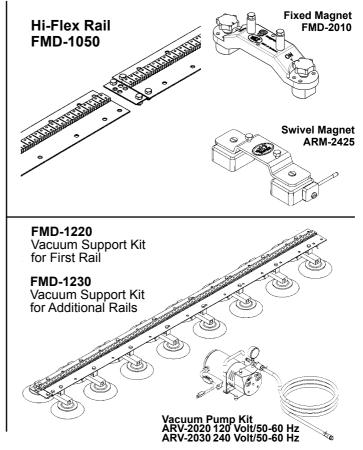
(A)- Contact Tip Size 0.035" to 1/16" (0.89 to 1.59 mm) (B)- Cable Length 15 ft (4.57 m) / 25 ft (7.62 m)

KBUG-6083 Plasma Torch Holder Assembly



Rail Options:

The **K-BUG 5100** package is designed to run on Bug-O Systems Hi-Flex Rail (FMD) for uses in curved or straight line applications. Carriage wheels run on stainless steel rail that can be mounted with magnets or vacuum system.



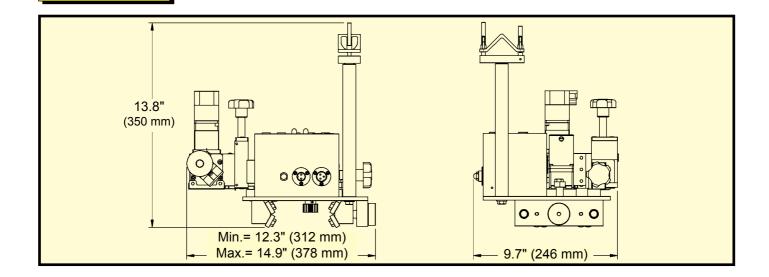


Technical Data:

Dimensions:

Power Requirements: KBUG-5100	•		0 to 188 in/min (477 cm/min)
KBUG-5102	120VAC/50-60Hz/1Ph 240VAC/50-60Hz/1Ph	Weave Width*:	0 to 1.23" (31.24 mm)
Net Weight:	18 lbs. (8.2 kg.)		s per min. at 1.05" (26.67 mm) stroke s per min. at .525" (13.34 mm) stroke
Shipping Weight:	24 lbs. (10.9 kg.)	200 cycles per min. at .25" (6.35 mm) stroke	
Welding Position:	All position	Digital LED speed inc	licator: 1 to 34.7 ipm (25 to 88 cm/min)
Torch Holder:	Fits straight torch		ah
Vertical Lifting Power:	50 lbs. (22.7 kg.)		
Tractor Dimensions: (WxLxH)	12.34 to 14.9 x 9.67 x 8.48 t (313.44 to 378.46 x 245.62 ;		
Torch Support Adj.: Y-Stroke: Z-Stroke:	2.05" (52 mm) ± 5% 1.69" (43 mm) ± 5%	6 A MAR 0	

* When torch Pivot-to-Tip length is 6" (152.4 mm) as shown above. Increasing the Pivot-to-Tip length will increase the maximum speed and the weave width.



A QUALITY PRODUCT FROM BUG-O SYSTEMS • 280 TECHNOLOGY DRIVE • CANONSBURG, PA 15317-9564 USA A DIVISION OF WELD TOOLING CORPORATION [©] Weld Tooling Corp. ΧΡΙΣΤΟΣ ROM 1:16 Litho in U.S.A. LIT-KBUG-5100-BRO-0513