

Bug-O Systems Operator Controlled Mechanization

12-331-1776 www.bugo.com

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

K-BUG 61

DIGITAL, COMPACT, ALL POSITION **LINEAR WEAVE WELDER**

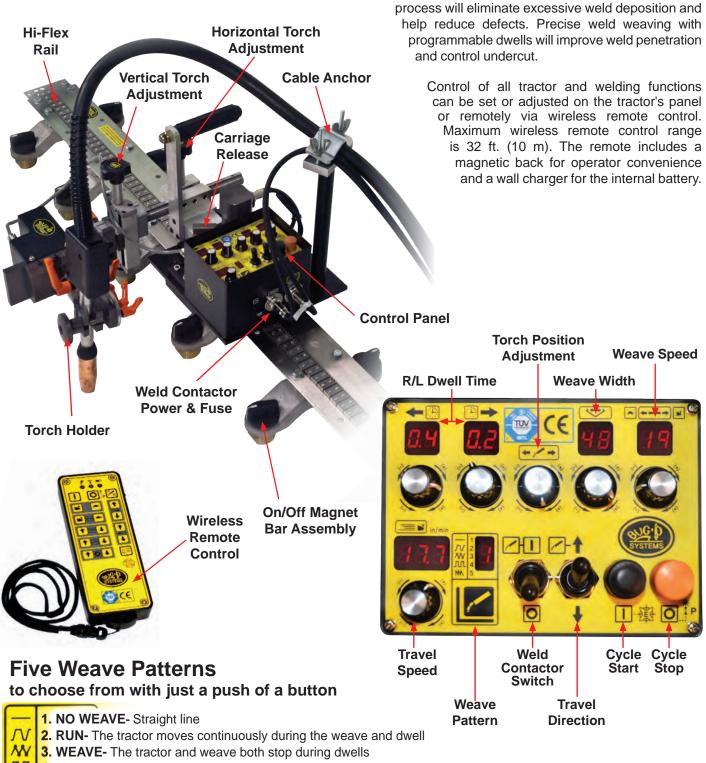
A Hi-Flex track guided travel carriage with oscillation for welding in all positions.

Increases welding production, improves weld quality and reduces operator fatigue.



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The **KBUG-6100** is a compact portable welding unit with an integrated linear weaver for all position welding. It runs on BUG-O Systems Hi-Flex Rail which attaches to the work surface via magnets or vacuum system in any position. Regulated travel speed without starting and stopping the welding



11 4. **STEP-** The tractor is stationary during the weave and moves only during the dwell

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 6100 DIGITAL, COMPACT, ALL POSITION LINEAR WEAVE WELDER



- High torgue, low inertia motor for precise stops and starts
- Lightweight and easy to carry, weighing just 21.5 lbs. (9.75 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
- Weaver motor design prevents torch movement when power is off
- Closed loop speed and position control •
- High speed motor for linear weaving
- Programmable puddle build and crater fill •
- Independent control of linear weaving right and left dwell times
- Drive unit motor overload protection •
- Closed loop speed control for adjustable and repeatable control
- Closed loop speed control prevents 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
- **Cable Anchor**

Hi-Flex Rail

Weld Contactor ON/OFF Switch

Rail Options:

The K-BUG 6100 package is designed to run on Bug-O Systems Hi-Flex Rail (FMD) for uses in radius or straight line applications. Carriage wheels run on stainless steel rail that can be mounted with magnets or vacuum system.



*High Heat models are rated at 180°C (356°F) for high temperature applications.



FMD-2010

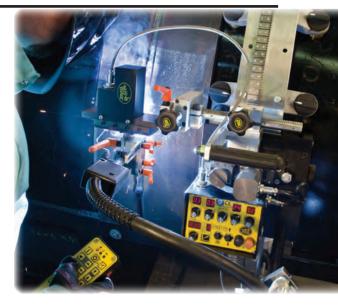
FMD-2010-HH*

Holding Power

250 lb. (113 kg)

Hi-Flex Magnet w/ Release FMD-2325 Holding Power 250 lbs. (113 kg)

R.E. On/Off Magnet, Hi-Flex





FMD-1220

Vacuum Support Kit for First Rail



Vacuum Support Kit for Additional Rails

Vacuum Pump Kit (Necessary for use w/vacuum cups)

ARV-2020 120 Volt/50-60 Hz or 100-1297-120 120 Volt/50-60 Hz ARV-2030 240 Volt/50-60 Hz or 100-1297-240 240 Volt/50-60 Hz

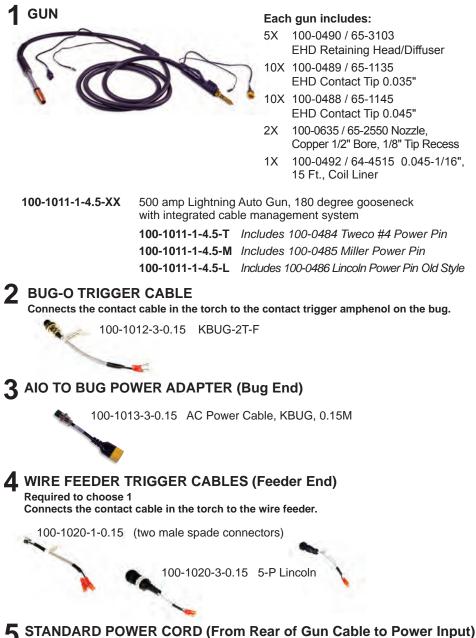






Accessories:

All-In-One (AIO) Mechanized Guns for KBUGs Choose from the options below to fit your application.



Optional Torch Holders Available:



KBUG-2080-1 1" Torch Holder



KBUG-4089 Torch Holder (BUG-O Style)

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

BUG-9454-42 42VAC

BUG-9454 120VAC

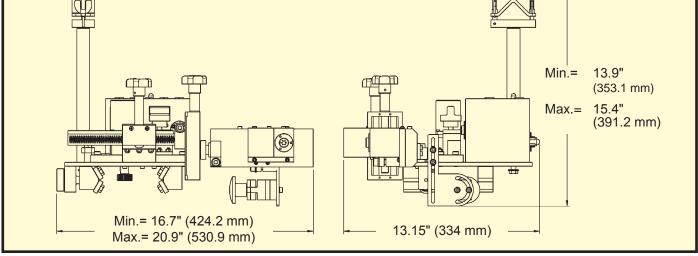
BUG-9454-240 240VAC



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Technical Data:

Power Requirements: KBUG-6100 KBUG-6102	120VAC/50-60Hz/1Ph 240VAC/50-60Hz/1Ph	Torch Support Adj.: Y-Stroke: Z-Stroke:	0-4.7" (0-120 mm) ± 3% 0-2.75" (0-70 mm) ± 3%
Net Weight:	21.5 lbs. (9.75 kg.)	Weaver Speed:	0 to 188 in/min (0-477 cm/min)
Shipping Weight:	25.5 lbs. (11.57 kg.)	Weave Width:	0 to 2" (0-51 mm)
Welding Position:	All position	Digital LED Travel Speed Indicator: 1 to 34.7 ipm (2.54 to 88 cm/min)	
Torch Holder:	Fits barrels up to 0.75 in (19 mm) dia.		
Vertical Lifting Power:	50 lbs. (22.7 kg.)		
Tractor Dimensions: (WxLxH) mm: Dimensions:	16.7 to 20.9 x 13.15 x 13.9 to 15.4 (424.2 to 530.9 x 334 x 353.1 to 391.2)		



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