



# K-BUG 3000 & K-BUG 3000-BAT

**DIGITAL, COMPACT, HEAVY DUTY FILLET WELDER W/ OSCILLATION**

**Magnetic travel carriage with oscillation  
for welding in all positions.**

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

**Battery powered unit available.**



**Bug-O Systems**

Operator Controlled  
Mechanization

412-331-1776  
[www.bugo.com](http://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.

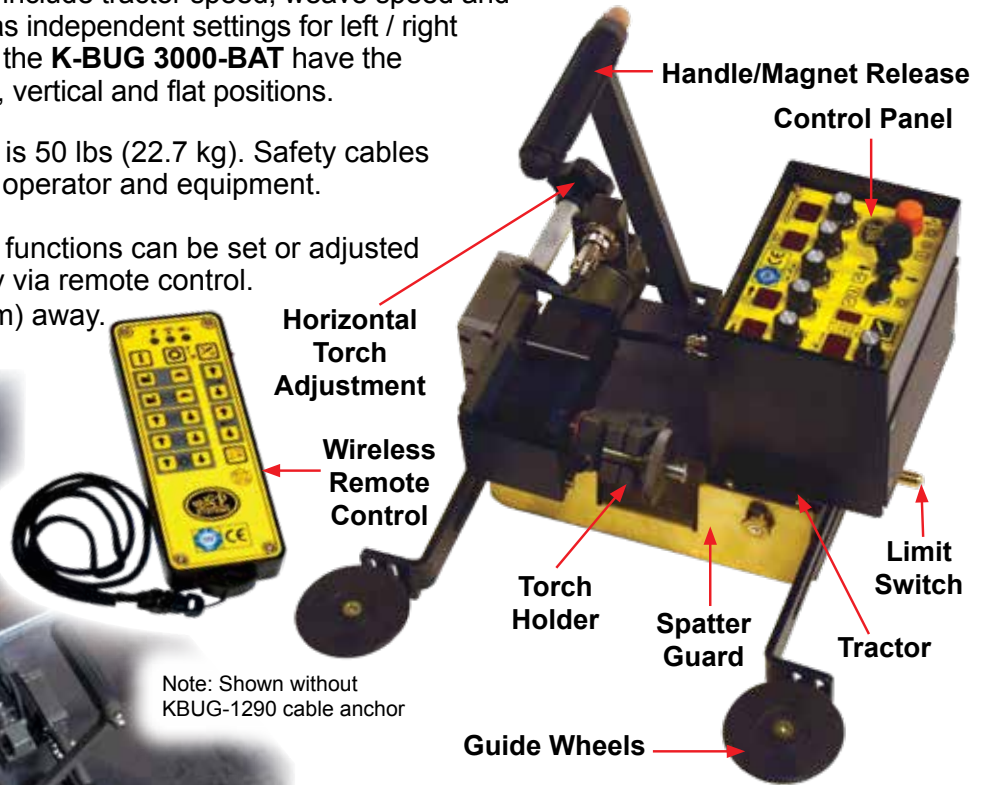


# K-BUG 3000 DIGITAL COMPACT HEAVY DUTY FILLET WELDER

The **K-BUG 3000** and the **K-BUG 3000-BAT** are digital, compact, heavy duty fillet welders with oscillation designed for welding fillet joints. A lightweight, portable carriage utilizes powerful magnets and guide wheel clamps to track directly to the work piece. The **K-BUG 3000** and the **K-BUG 3000-BAT** feature programmable control of weave parameters that include tractor speed, weave speed and weave width. This K-BUG also has independent settings for left / right dwell. Both the **K-BUG 3000** and the **K-BUG 3000-BAT** have the capability to perform in horizontal, vertical and flat positions.

Maximum vertical lifting capacity is 50 lbs (22.7 kg). Safety cables are recommended to protect the operator and equipment.

Control of all tractor and welding functions can be set or adjusted on the tractor's panel or remotely via remote control. Remote range is up to 32 ft (10 m) away.

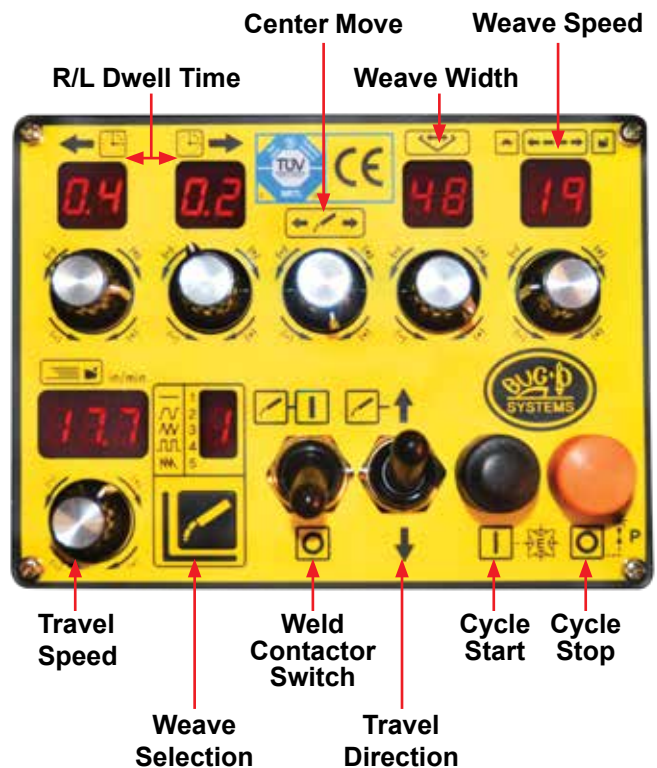


Note: Shown without KBUG-1290 cable anchor

## Features:

The **K-BUG 3000** and **K-BUG 3000-BAT** incorporate the following features:

- Digital compact all position fillet welder
- Cordless 18 volt battery capable of running two shifts (K-BUG 3000-BAT model only)
- State of the art digital technology insures accuracy
- Industry's smallest and lightest all position oscillating fillet welder
- Digital LED display of all parameters
- Permanent magnet for powerful traction
- Closed loop speed and position control
- Spatter Guard on work-side wheels
- Drive Wheels are rated to 400°F (204°C)
- Available in two voltages: 120VAC and 240VAC
- Limit switches provide automatic travel / weld stop
- Programmable weld control features for better puddle control and crater fill





# K-BUG 3000 DIGITAL COMPACT HEAVY DUTY FILLET WELDER

Choose between five weave patterns with just a push of a button



1. **NO WEAVE**- Straight line
2. **RUN**- The tractor moves continuously during the weave and dwell
3. **WEAVE**- The tractor and weave both stop during dwells
4. **STEP**- The tractor is stationary during the weave and moves only during the dwell
5. **TRACTOR STOP ON DWELL**- While the weave moves away from the tractor, the tractor is stationary. While the weave moves toward the tractor, the tractor also travels.

## Accessories:



**KBUG-1201-BAT** Replacement Battery  
**KBUG-1205-BAT** 120V Battery Charger

**KBUG-1206-BAT**  
 240V Battery Charger



**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

**SBG-450-M-(A)-(B)** 450 Amp Gun/Miller  
**SBG-450-E-(A)-(B)** 450 Amp Gun/Euro

(A)- Contact Tip Size (Consult Sales Rep.)  
 (B)- Cable Length 15 ft (4.57 m) / 25 ft (7.62 m)

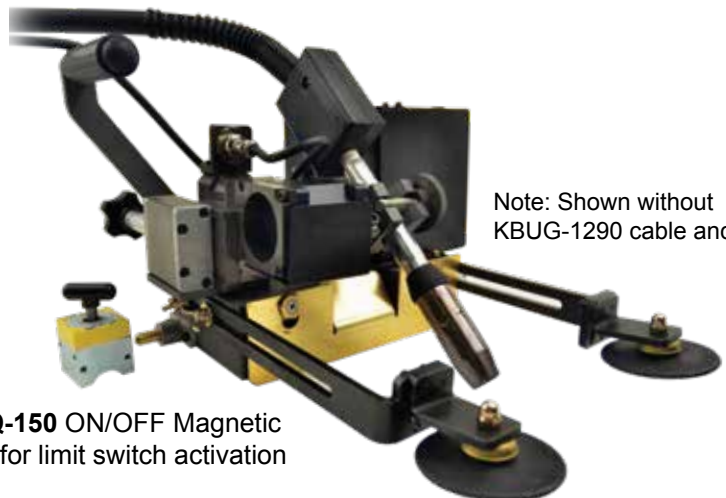
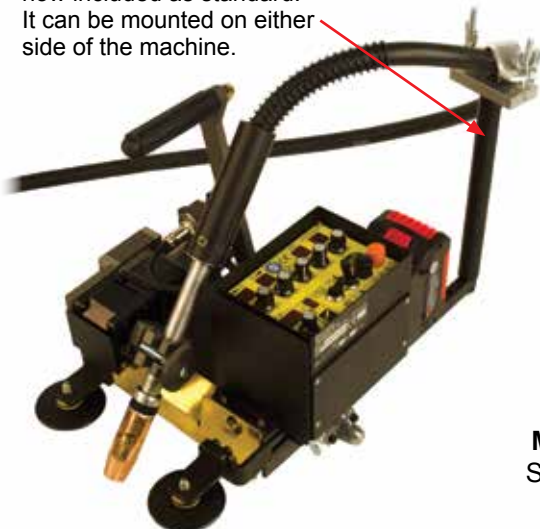


**KBUG-1067** Magwheel Kit  
 for welding curved or irregular shapes



**KBUG-3163** Eye Bolt  
 Connection point for fall arrester when welding out of position

KBUG-1290 cable anchor now included as standard. It can be mounted on either side of the machine.



Note: Shown without KBUG-1290 cable anchor

**MSQ-150** ON/OFF Magnetic Stop for limit switch activation



# K-BUG 3000 DIGITAL COMPACT HEAVY DUTY FILLET WELDER

## Technical Data:

### Power Requirements:

**KBUG-3000** 120VAC/50-60Hz/1Ph  
**KBUG-3002** 240VAC/50-60Hz/1Ph

**KBUG-3000-BAT** 120VAC/50-60Hz/1Ph  
**KBUG-3002-BAT** 240VAC/50-60Hz/1Ph

**Drive Motor:** 24 VDC, 12 W, 5000 RPM

**Net Weight:** 25 lbs. (11.34 Kg)

**Net Weight:** 20.2 lbs. (9.2 Kg)

**Dimensions(WxLxH):**  
*inch:* 14.63(min.) - 22.5 (max) x 13.1 x 13.9  
*cm:* 37.16 (min) - 57.15 (max) x 33.2 x 35.30

**Dimensions(WxLxH):**  
*inch:* 13.25(min.) - 22.5(max) x 13.1 x 13.9  
*cm:* 33.66(min) - 57.15(max) x 33.2 x 35.30

**Shipping Weight:** 30 lbs. (13.6 Kg)

**Shipping Weight:** 25.2 lbs. (11.4 Kg)

**Shipping Dimensions:**  
*inch:* 20x19x15  
*cm:* 51x48x38

**Shipping Dimensions:**  
*inch:* 20x19x15  
*cm:* 51x48x38

**Travel Speed:** 1.18 - 35 in/min  
 (3.0 - 88 cm/min)

**Torch Angle:** 45° +/- 10°

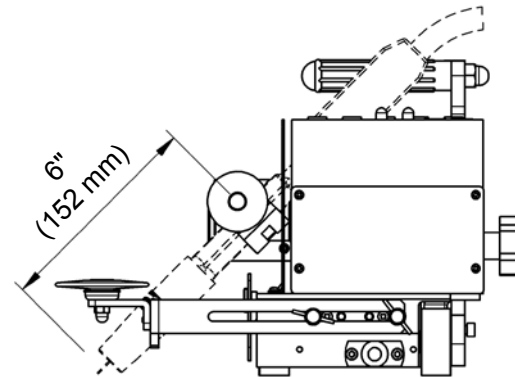
**Dwell Time:** 0 - 9.9 sec per side

**Y-Stroke:** 0 - 0.78" (0 - 20 mm)

**Weave Width\*:** 1.05" (26.67 mm)

**Weave Speed\*:** 0 to 247 in/min  
 (0 to 627 cm/min)

**Cycles\*:** 68 cycles per min. at 1.05" (26.67 mm) weave width  
 115 cycles per min. at .525" (13.34 mm) weave width  
 200 cycles per min. at .25" (6.35 mm) weave width



\* 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.

## Dimensions:

