



# K-BUG 3000

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

**A magnetic travel carriage with oscillation for welding in all positions.**

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



**Bug-O Systems**

Automated Cutting and  
Welding Systems

412-331-1776

[www.bugo.com](http://www.bugo.com)

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



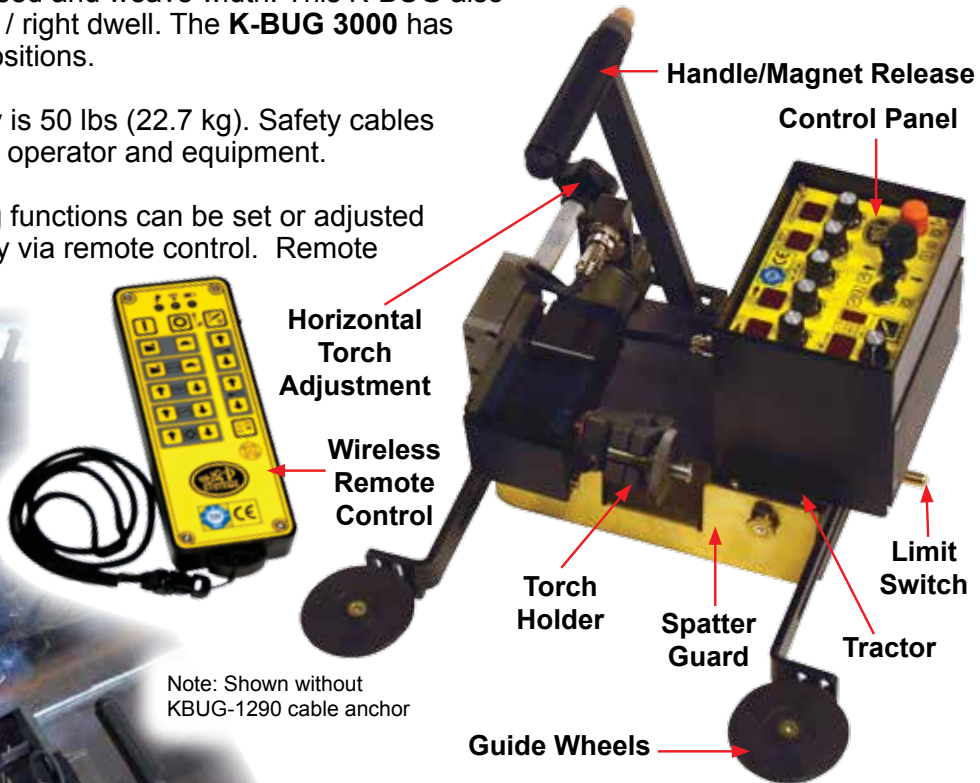


# K-BUG 3000 DIGITAL COMPACT HEAVY DUTY FILLET WELDER

The **K-BUG 3000** is a digital, compact, heavy duty fillet welder with oscillation designed for welding fillet joints. A lightweight, portable carriage utilizing powerful magnets and guide wheel clamps and tracks directly to the work piece. The **K-BUG 3000** features 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. The **K-BUG 3000** has the capability to perform in all 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** incorporates the following features:

- Digital compact all position fillet welder
- 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-1067** Magwheel Kit  
for welding curved or irregular shapes



**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

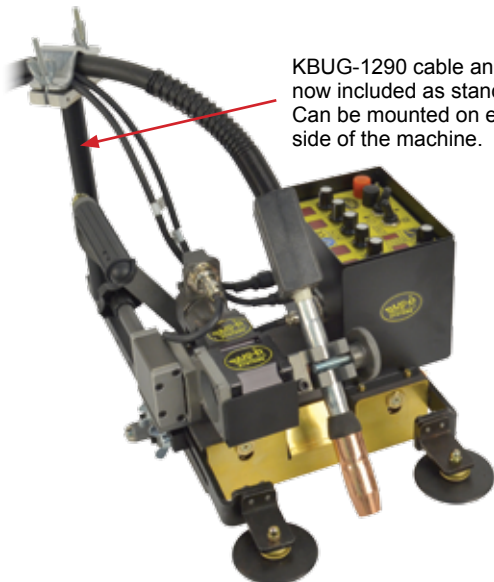
**SBG-450-E-(A)-(B)** 450 Amp Gun/Euro

(A)- Contact Tip Size (Consult Sales Rep.)

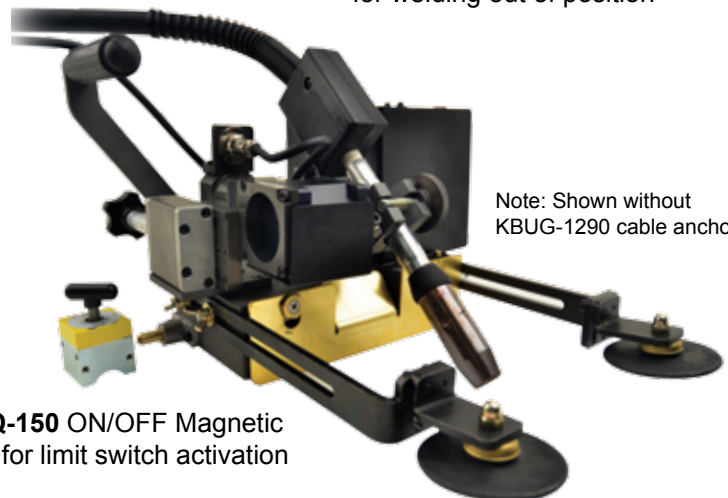
(B)- Cable Length 15 ft (4.57 m) / 25 ft (7.62 m)



**KBUG-3163** Fall Arrest Attachment  
for welding out of position



KBUG-1290 cable anchor  
now included as standard.  
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:

Part No. KBUG-3000 120VAC/50-50Hz/1Ph

Part No. KBUG-3002 240VAC/50-60Hz/1Ph

Drive Motor: 24 VDC, 12 W, 5000 RPM

Net Weight: 20.2 lbs. (9.2 Kg)

### Dimensions(WxLxH):

*inch:* 8.2 (min.) - 13.7 (max) x 13.1 x 9.3

*cm:* 20.8 (min) - 34.8 (max) x 33.2 x 23.7

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

Torch Angle: 45° +/- 10°

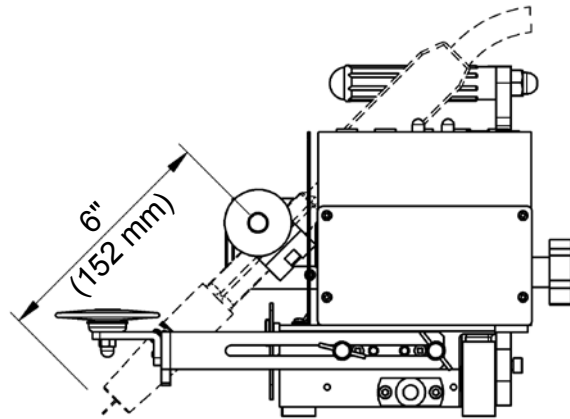
Dwell Time: 0 - 9.9 sec per side

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:

