

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

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



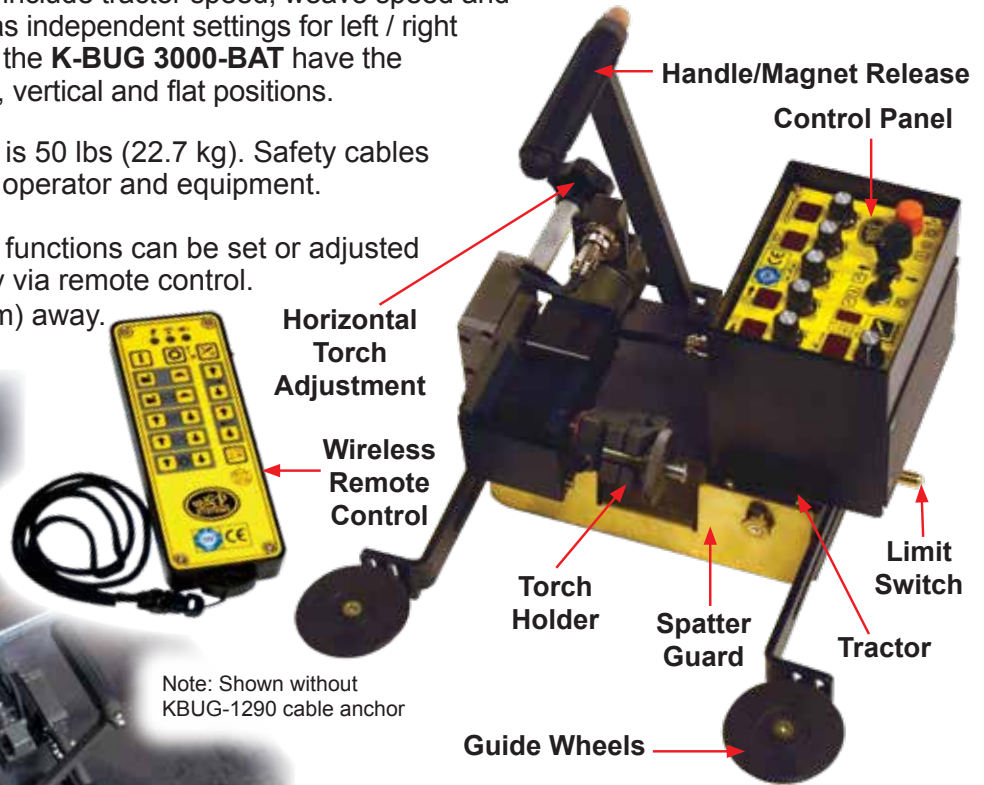


K-BUG 3000 DIGITAL COMPACT HEAVY DUTY FILLET WELDER

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.

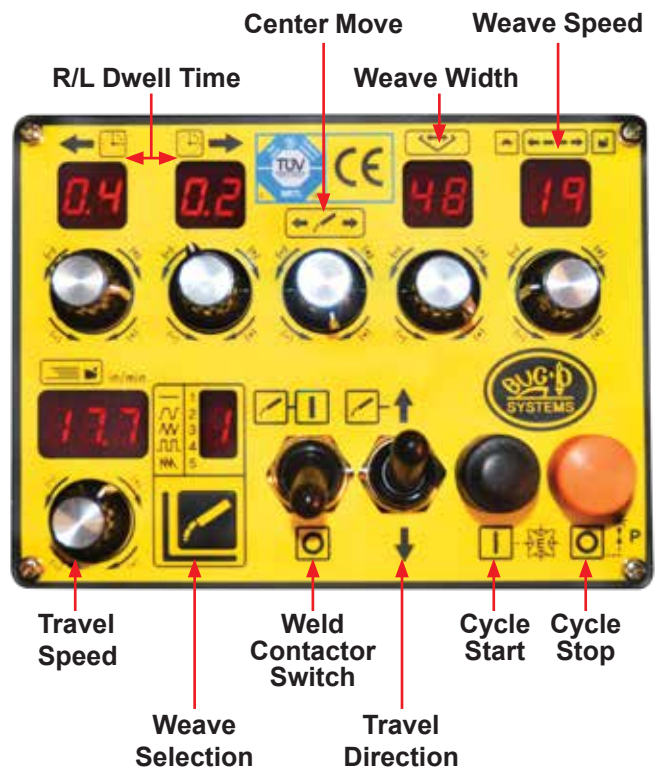
Control of all tractor and welding functions can be set or adjusted on the tractor's panel or remotely via remote control. Remote range is up to 32 ft (10 m) away.



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





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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)

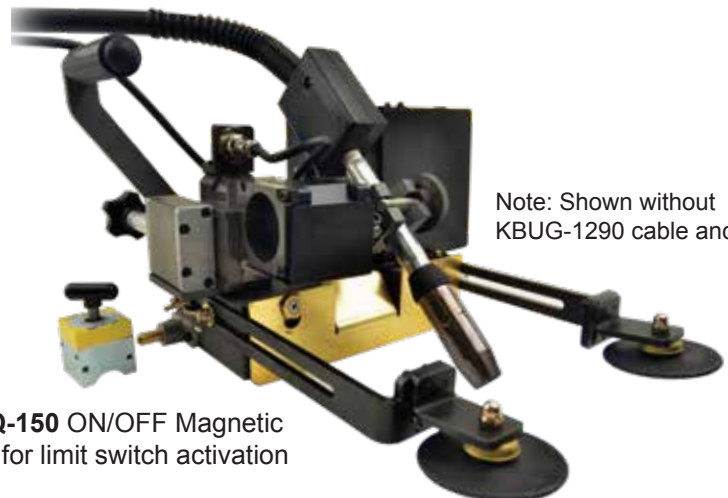


KBUG-1067 Magwheel Kit
for welding curved or irregular shapes



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.



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

Note: Shown without KBUG-1290 cable anchor



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

Drive Motor: 24 VDC, 12 W, 5000 RPM

Net Weight: 20.2 lbs. (9.2 Kg)

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: 25.2 lbs. (11.4 Kg)

Shipping Dimensions:

inch: 20x19x15
cm: 51x48x38

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

Torch Holder: Fits barrels up to 0.75 in (19 mm) dia.

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

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

Net Weight: 25 lbs. (11.34 Kg)

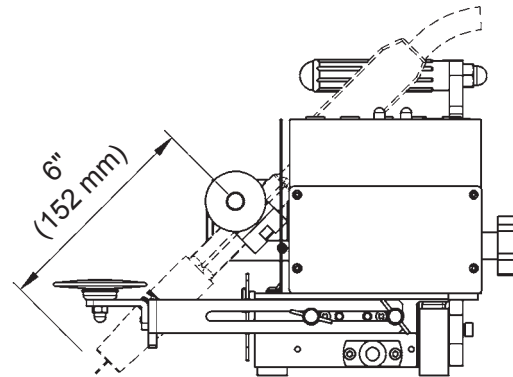
Dimensions(WxLxH):

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

Shipping Weight: 30 lbs. (13.6 Kg)

Shipping Dimensions:

inch: 20x19x15
cm: 51x48x38



* 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.

