GECKO BATTERY | MOBILE WELDING TRACTOR

The GECKO BATTERY is a battery-powered welding tractor designed to produce continuous butt and fillet welds using MIG/MAG torches.

4-wheel drive system with magnetic traction and a feedback loop provide speed stabilization in all welding positions.

Constant, continuous and repeatable travel speed enables weld bead geometry that is exact to the required specifications, thus reducing costly over welding and substantially decreasing filler metal usage.

Optional accessories make Gecko Battery fit for various applications with carbon steel, stainless steel and aluminum.

18 V DC battery with a capacity of 5.2 Ah provides energy for 6hrs average operation time.

GECKO BATTERY can also be connected to 110-240 V AC mains by means of power supply.

Applications:
- Trailer manufacturing
- Truck tanks
- Oil tanks
- Water storage tanks
- Transformers
- Shipyards
- Any application demanding a long, continuous fillet weld

18V battery supply (110-240 V AC option)
Continuous welding
Dual torch welding
Horizontal speed 0–110 cm/min (0–43.3 in/min)

Dual arc ignition
Min. path convex radius 1000 mm (3.5 ft)
Min. path concave radius 1000 mm (3.5 ft)
Weight 8.6kg (19 lbs)
**Primary features and benefits of Gecko Battery Welding tractor:**

- Compact, lightweight design with durable aluminum cast housing
- Convenient 18 V DC battery supply
- Optional power supply 110-240 V AC 50/60 Hz
- Strong magnetic traction permits out of position use
- Magnet on/off lever permits easy set up and adjustment on work piece
- Maintenance free 4-wheel drive with worm gear reduction
- Heat resistant silicone wheels
- Quick clamping torch holder mechanism for different types of MIG/MAG torches with diameters of 16-22 mm (5/8"-7/8"); optionally up to 35 mm (1-3/8"")
- Precise torch adjustment with screw drive cross slide
- Multifunctional LED display - presetting of travel speed, units, error codes information
- Closed loop speed control system stabilizes travel speed to reduce weld defects and costly rework
- Consistent heat input reduces distortion
- Reduced wasted filler metal - eliminates over welding
- Automatic arc on/off system initiates welding with travel, simultaneously
- Capable of carrying and controlling two torches
- Self-guiding roller arms eliminate the need for track
- Multi-surface guiding with user-friendly adjustment of tractor position
- Improves working environment - removes operator from heat and fumes
<table>
<thead>
<tr>
<th><strong>TECHNICAL SPECIFICATIONS GECKO BATTERY</strong></th>
<th></th>
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<tbody>
<tr>
<td><strong>Voltage</strong></td>
<td>18 V DC, 5.2 Ah</td>
</tr>
<tr>
<td><strong>Power</strong></td>
<td>20 W</td>
</tr>
<tr>
<td><strong>Welding position (according to EN ISO 6947 and AWS/ASME)</strong></td>
<td>PA / 1F / 1G, PB / 2F, PC / 2G, PD / 4F, PE / 4G</td>
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<tr>
<td><strong>Torch diameter</strong></td>
<td>16–22 mm (0.63–0.87”); up to 35mm (1.38”) option</td>
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<tr>
<td><strong>Minimum radius of curved workpiece surface</strong></td>
<td>1000 mm (3.5 ft)</td>
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<tr>
<td><strong>Minimum workpiece thickness</strong></td>
<td>4 mm (0.16”)</td>
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<tr>
<td><strong>Ground clearance</strong></td>
<td>4 mm (0.16”)</td>
</tr>
<tr>
<td><strong>Horizontal pulling force</strong></td>
<td>150 N</td>
</tr>
<tr>
<td><strong>Cross slide adjustment range</strong></td>
<td>0–35 mm (0–1.38&quot;) up-down, left-right</td>
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<tr>
<td><strong>Horizontal speed</strong></td>
<td>0–110 cm/min (0–43.3 in/min)</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>8.6 kg (19 lbs)</td>
</tr>
<tr>
<td><strong>Welding settings storage</strong></td>
<td>1 (last used)</td>
</tr>
</tbody>
</table>

* With battery fully charged.

**The newest improved guide arms family makes a proper welding tractor positioning even easier.**

- 7 different guide types are dedicated to various welding applications and positions
- include a number of fixing grooves for your convenience
- enable simpler, easier and more consistent adjustment of how guide arms stick out
- secure proper tilting of the carriage into a direction of its movement
- maintain a permanent contact with the workpiece
- allow either interval or continuous guide arms adjustment

Each new guide arm has got a number of indented grooves only on one side.

All types of guide arms are available in pairs of 2 pcs: right and left.
Standard accessories

PRW-0466-67-00-00-0
Standard guide arms (set of 2 pcs)

AKM-000086
5.2 Ah Battery

KBL-0466-17-00-00-0
Dual arc ignition cable of 6.5 m (21 ft)

UCW-0466-04-00-00-0
Torch holder long rod clamp assembly

Optional accessories for variety of applications

LDW-000006 (220–240 V, 50/60 Hz)
LDW-000007 (120 V, 60 Hz)
Battery charger

PWD-0466-18-00-00-0 (230 V CEE)
PWD-0466-16-00-00-0 (115 V USA)
PWD-0466-23-00-00-0 (115 V UK)
Power cord 3m (10 ft)

URZ-000001
Fall arrester device

ZSP-0466-46-00-00-1
Extended cross-slide
0-76 mm (0-3”) up-down,
0-35 mm (0-1.38”) left-right

PRD-0466-43-00-00-0
Torch Extension Arm

OSL-0466-29-00-00-0
Display shield

PDT-0526-21-00-00-0
Cable anchor

ZSL-0526-20-00-00-0
Power supply

ZRZ-0466-19-00-00-0
Torch clamp 22–35 mm
Optional accessories for multi-surface guiding and variety of applications

- **PRW-0466-41-00-00-1**
  Edge following guide arms (set of 2 pcs)

- **PRW-0466-42-00-00-1**
  Adjustable guide arms (set of 2 pcs)

- **PRW-0466-40-00-00-0**
  Dual Torch Mount

- **BLO-0466-44-01-00-0**
  Magnet blocks (front) M5x25

- **BLO-0466-47-01-00-0**
  Magnet blocks (front) with increased power M5x25

- **BLO-0466-45-01-00-0**
  Magnet blocks (back) M6x25 incl. additional spacer plate required for Gecko Battery only

- **BLO-0466-48-01-00-0**
  Magnet blocks (back) with increased power M6x25

- **PRW-0466-65-00-00-1**
  Low guide arms (set of 2 pcs)

- **PRW-0466-66-00-00-1**
  High guide arms (set of 2 pcs)

- **PRW-0466-50-02-00-1**
  Track following guide arms (set of 2 pcs)

- **PRW-0466-52-00-00-1**
  Magnet guide arms (set of 2 pcs)
Depending on sort of fixing units in use with flexible trackway, Gecko Battery welding tractor is suitable for applications with carbon steel, stainless steel and aluminum.

Flexible trackway length 1.88 m (6.1 ft),
Minimum curvature radius of 1.25 m (4.1 ft)
PRW-0466-71-00-00-0

Vacuum units in use on stainless steel or aluminum tanks

Bracket for magnetic narrow unit for flexible trackway
DYS-0466-71-07-00-0

Magnetic narrow unit
WSP-0466-71-05-00-0

Steel track support for flexible trackway
WSP-0466-71-06-00-0

Magnetic spacing-adjustable unit
ZSP-0523-19-00-00-0

Magnetic pivoting unit
ZSP-0475-85-00-00-0

Vacuum modular unit
MST-0541-10-02-00-0

Magnetic block for flexible track
box of 10 pcs
BLO-0466-68-00-00-0

UST-0466-53-00-00-0
Guide adjustment tool to position the track parallel to the edge

Flexible track length 185 cm (6 ft) 1 pc
Minimum curvature radius of 1.0 m (3.3 ft)
PRW-0466-50-01-01-0

Bracket for magnetic units for flexible trackway
DYS-0466-71-04-00-0

Bracket for magnetic narrow unit for flexible trackway
DYS-0466-71-05-00-0

Bracket for vacuum modular units for flexible trackway
DYS-0466-71-04-00-0

Bracket for magnetic units for flexible trackway
DYS-0466-71-05-00-0

Aluminum track support for flexible trackway
WSP-0466-71-03-00-0

More information at www.promotech.eu