

STEELBEAST®



GECKO BATTERY

CORDLESS WELDING TRACTOR



The **GECKO Battery** is a fully battery-powered, trackless welding tractor engineered for producing consistent butt and fillet welds with MIG/MAG torches.

Powered by a CAS LiHD battery, it delivers high performance for demanding applications, with no need for cables. A 4-wheel drive system with magnetic traction and feedback control ensures stable travel speed and smooth operation in any welding position.

Its constant, repeatable travel speed guarantees uniform weld bead geometry, reducing costly overwelding and saving filler material. Operators can set arc ignition and crater fill times up to 5 seconds at the start and end of the weld for optimal bead finish. The **GECKO Battery** is also ready for oscillation welding, with a built-in power socket for the **OSC-8 PRO** pendulum oscillator.

Applications:

- Trailer manufacturing
- Truck tanks
- Oil tanks
- Water storage tanks
- Transformers
- Shipyards

Primary Features and Benefits

- **Compact and durable:** Lightweight aluminium housing ensures easy handling and long service life.
- **Versatile applications:** Works with optional accessories for carbon steel, stainless, and aluminium welding.
- **Programmable torch timing:** Set arc start and end delays for ideal weld terminations.
- **Oscillation-ready:** Built-in socket powers the **OSC-8 PRO** pendulum oscillator.
- **Cordless convenience:** 18 V CAS battery compatible with our other cordless machines.
- **Extended runtime:** LiHD battery delivers reliable power for a full shift.
- **Smart battery management:** Optimises performance and extends battery life.
- **Precise digital control:** Maintains steady travel speed for consistent weld quality.
- **Clear LED display:** Shows travel speed, units, and diagnostic messages.



Continuous
welding



Dual torch
welding



Dual arc
ignition



Horizontal speed
0–110 cm/min
(0–43.3 in/min)



Min. path
concave
radius
800 mm
(31-1/2")



Min. path
convex radius
600 mm
(23-5/8")



Weight
8.4 kg
(18.5 lbs)

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CORDLESS WELDING TRACTOR

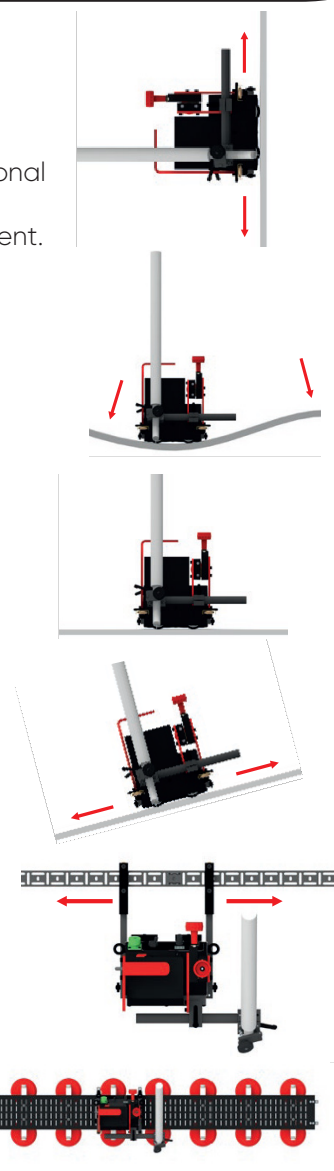
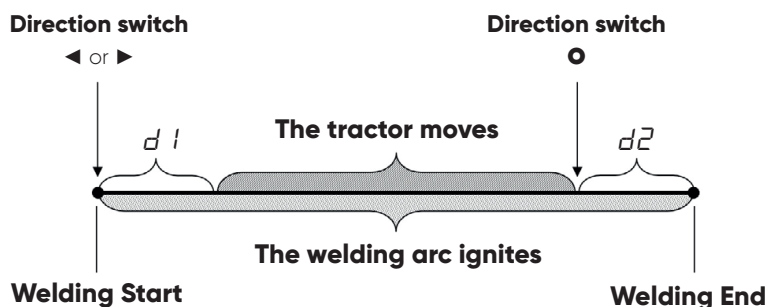
More Features and Benefits

- **Strong magnetic traction:** Enables stable operation in out-of-position welding.
- **Heat-resistant wheels:** Durable silicone wheels withstand high temperatures.
- **Quick torch clamping:** Fast adjustment for MIG/MAG torches Ø16–22 mm (optional up to 35 mm).
- **Precise torch positioning:** Screw-drive cross slide allows fine, accurate adjustment.
- **Consistent heat input:** Minimises distortion & ensures uniform weld quality.
- **Reduced filler waste:** Prevents overwelding & saves consumables.
- **Automatic arc control:** Arc starts & stops in sync with tractor travel.
- **Dual-torch capability:** Supports & controls two torches simultaneously.
- **Trackless operation:** Self-guiding roller arms remove the need for a track.
- **Multi-surface adaptability:** Simple adjustment for use on various workpiece geometries.
- **Safer working environment:** Keeps the operator away from heat & fumes.
- **Thermal cutting ready:** Can be adapted for cutting operations.

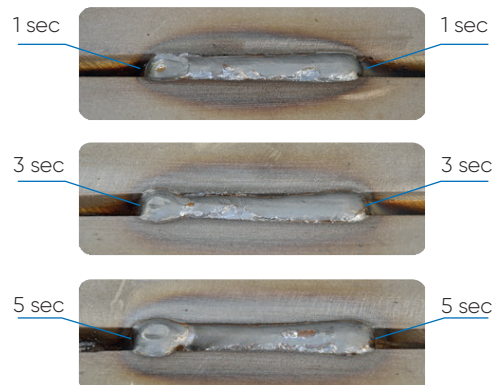
Pre-setting torch activation time

- Users can now select arc ignition times of up to 5 seconds at the start and end of the **GECKO Battery** travel to create a preferred weld fill at both ends.

| Parameter | Value | Description |
|-----------|------------------------|---|
| d1 | 0–5 s [step: 0.5 s] | Tractor movement delay time. When the direction switch is set to ◀ or ▶: • d1 = 0 s – the arc ignites and the tractor starts immediately, • d1 > 0 s – the arc ignites and the tractor starts after the set time (see drawing above) |
| d2 | 0–5 s [step: 0.5 s] | Arc out delay time. When the direction switch is set to O: • d2 = 0 s – the tractor stops and the arc goes out immediately, • d2 > 0 s – the tractor stops and the arc ignites for the set time (see drawing above) |



Crater filling times



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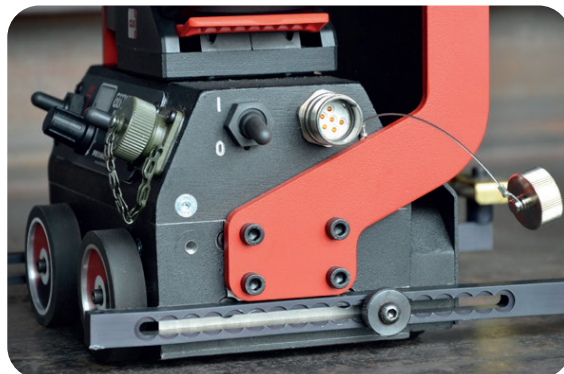


GECKO BATTERY

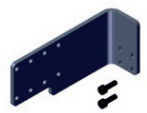
Optional Pendulum Oscillator OSC-8 PRO Configuration

The **GECKO Battery** is fully compatible with the **OSC-8 PRO** external pendulum oscillator, featuring a built-in power socket that removes the need for an additional power supply.

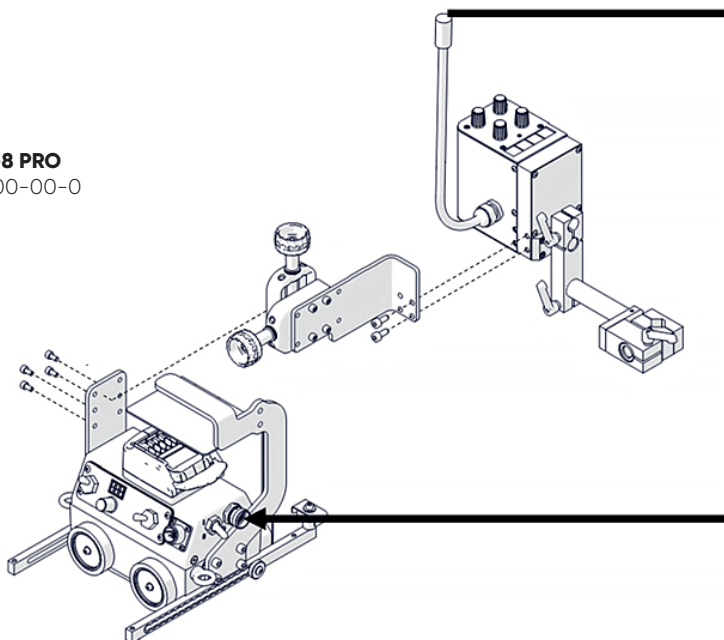
The new **OSC-8 PRO** includes a digital LED display for precise adjustment and easy monitoring of weave width, speed, and left/right dwell times. The display also provides status, safety, and diagnostic information to ensure smooth and reliable operation.



Oscillator OSC-8 PRO
OSC-0799-10-00-00-0

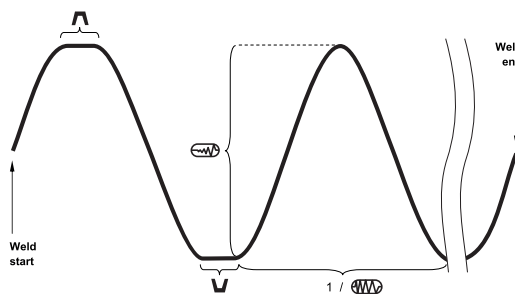


Oscillator support
(incl. two M6x14 screws)
KTW-0805-99-01-00-0

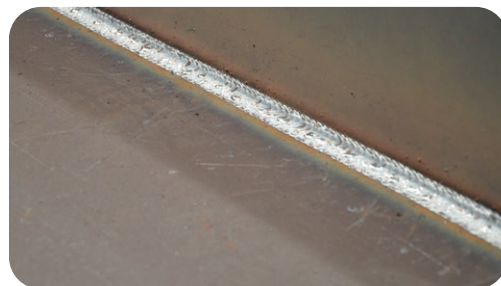
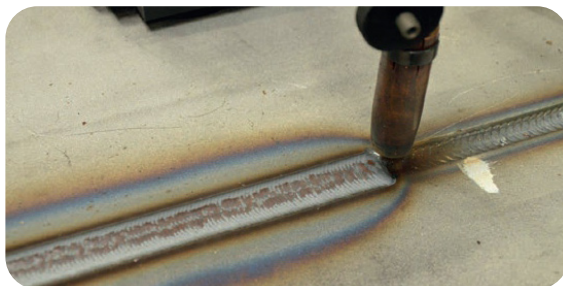


The following oscillation parameters can be set and adjusted with both pendulum weave welders:

oscillation width
oscillation speed
dwell time on both ends



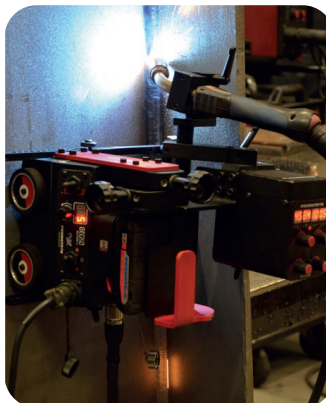
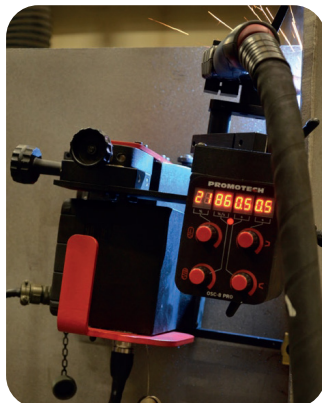
Weld paths: TRAPEZOID & TRIANGLE



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Versatility of applications including out-of-position use



Min. path convex radius
600 mm



Min. path concave radius
800 mm

Control system of battery pack:

Detection and supervised parameters:

- too low and too high voltage
- too low and too high temperature
- failure of the temperature sensor
- internal battery failure

Benefits:

- over discharge protection
- extended battery life
- high level of safety for both tractor and operator



Standard accessories



Battery 4.0 Ah
AKM-0738-10-00-01-0
(2 pcs included)



6.5 m dual arc ignition cable
KBL-0466-17-00-00-0



Standard guide arms
ZST-0752-17-00-00-1
(set of 2 pcs)



**Long rod torch holder
with 16–22 mm clamp**
UCW-0752-07-00-00-0

JEI Solutions

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Optional accessories for variety of applications



Torch clamp 16-22 mm
ZRZ-0752-07-01-00-0



Torch clip 16-22 mm
ZCS-0476-06-01-00-0



Torch clamp 22-35 mm
ZRZ-0466-19-00-00-0



Short Rod Clamp
WLK-0476-20-01-00-0



Short rod torch holder
with clip 16-22 mm
UCW-0476-27-00-00-0



Long Rod Clamp
WLK-0466-04-10-00-0



Short rod torch holder
with clamp 16-22 mm
UCW-0754-07-00-00-0



Long rod torch holder
with clip 16-22 mm
UCW-0466-22-00-00-0



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



Display shield
OSL-0526-22-00-00-0



Guide arm screw long
SRB-0466-10-00-00-0



Cable anchor
PDT-0776-04-00-00-0



Battery Charger
LDW-0738-04-00-30-0



Extended cross-slide 0-76
mm (0-3") either up-down
or left-right
ZSP-0466-46-00-00-1



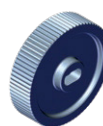
Fall arrester device
URZ-000001



Stainless steel driving wheel
KOL-0466-72-00-00-0



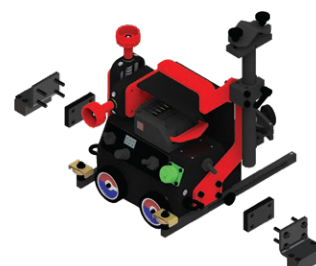
Oscillator OSC-8 PRO
OSC-0799-10-00-00-0



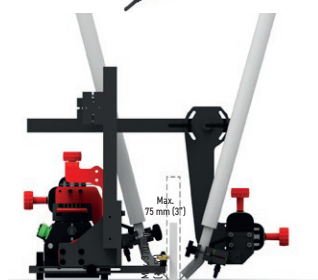
Magnet blocks (front &
back) clamping force 55 N
BLO-0466-45-01-00-0



Dual Torch Mount
PDT-0466-40-00-00-0



Magnet blocks (front)
clamping force 80 N
BLO-0752-22-00-00-0



Oscillator support
(incl. two M6x14 screws)
KTW-0805-99-01-00-0



Magnet blocks (back)
clamping force 80 N
BLO-0466-48-01-00-0

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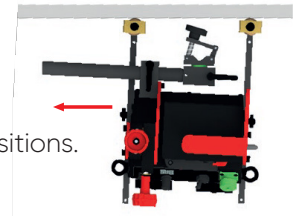
Optional accessories for multi-surface guiding and variety of applications

Guide arms enable a proper welding tractor positioning.

Seven different guide types are available to suit various welding applications and positions.

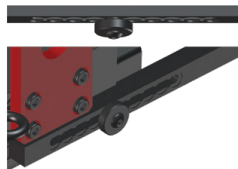
Each guide design:

- Features multiple fixing grooves for quick and convenient setup
- Allows easy and consistent adjustment of guide arm extension
- Ensures correct tilting of the tractor in the direction of travel
- Maintains constant contact with the workpiece
- Supports both interval and continuous guide arm adjustment

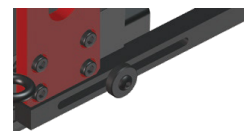


Each new guide arm has got a number of indented grooves only on one side.

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



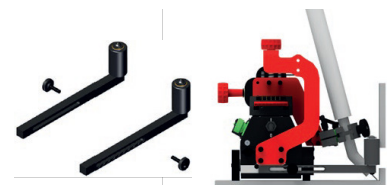
Interval adjustment of a degree how much the guide arms stick out



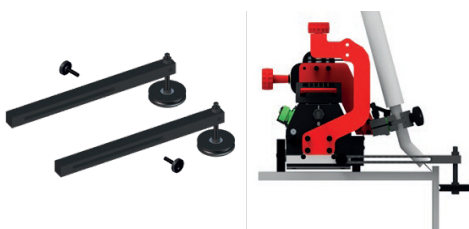
Continuous adjustment of a degree how much the guide arms stick out



Low guide arms (2 pcs)
PRW-0752-12-00-00-1



High guide arms (2 pcs)
PRW-0752-13-00-00-1



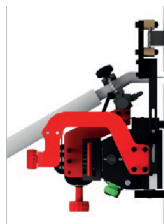
Edge following guide arms (2 pcs)
PRW-0466-41-00-00-1



Adjustable guide arms (2 pcs)
PRW-0752-10-00-00-1



Track following guide arms (2 pcs)
PRW-0752-14-00-00-1

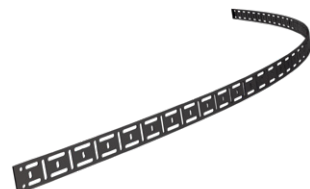
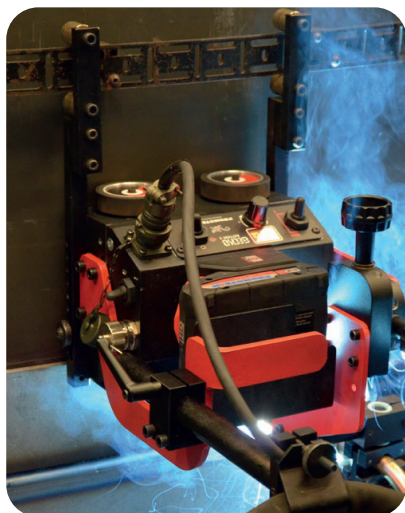


Magnet guide arms (2 pcs)
PRW-0752-11-00-00-1

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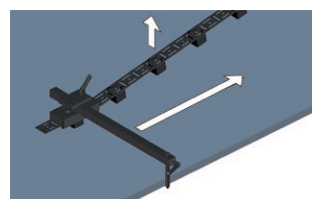
Flexible track length 185cm (6ft) 1pc
Minimum curvature radius of 1.0 m (3.3 ft)
PRW-0466-50-01-01-0



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



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

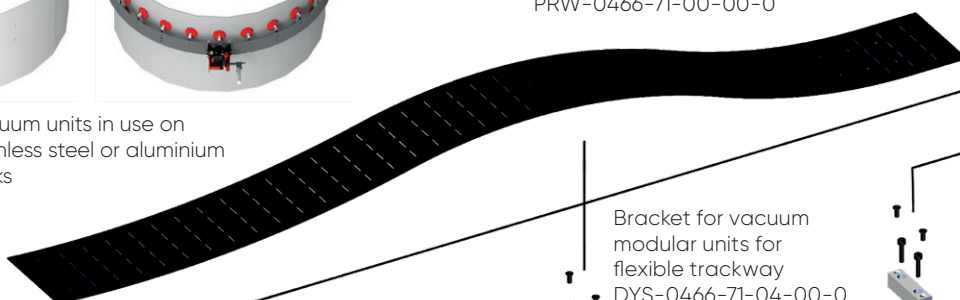


Depending on sort of fixing units in use with flexible trackway, **GECKO Battery** welding tractor is suitable for applications with carbon steel, stainless steel and aluminium.



Vacuum units in use on stainless steel or aluminium tanks

Flexible trackway length 1.88 m.
Minimum curvature radius of 1.25 m
PRW-0466-71-00-00-0



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

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

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

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

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

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

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

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

Magnetic narrow unit with hexagon
PDS-0582-10-00-02-0

Heat-resistant magnetic unit
ZSP-0475-93-00-00-0

Magnetic unit
ZSP-0475-92-00-00-0



Trackway following guide arms (set of 2 pcs)
ZST-0466-69-00-00-0

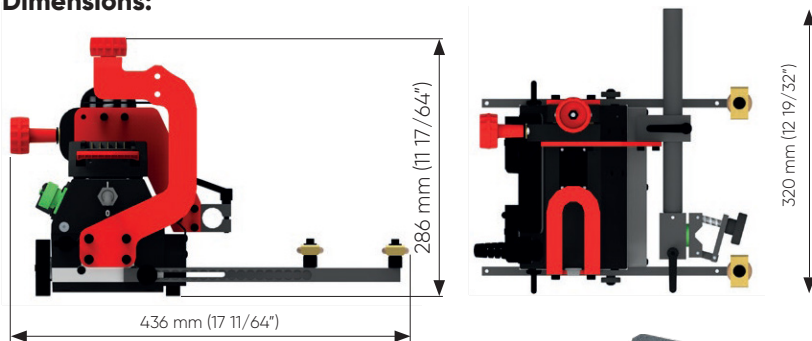
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TECHNICAL SPECIFICATIONS GECKO BATTERY

| | | |
|--|---|--|
| Voltage | 18 V DC, 4.0 Ah | |
| Power | 20 W | |
| Welding position (according to EN ISO 6947 and AWS/ASME) | Horizontal | PA / 1F / 1G PB / 2F PC / 2G PD / 4F PE / 4G |
| | Vertical | PF / 3G PF / 3F (with OSC-8 PRO) |
| Minimum path curve radius | Outer | 600 mm (23-5/8") |
| | Inner | 800 mm (31-1/2") |
| Torch diameter | 16–22 mm (5/8"–55/64") up to 35 mm (1.38") option | |
| Minimum workpiece thickness | 4 mm (0.16") | |
| Ground clearance | 4 mm (0.16") | |
| Horizontal pulling force | 150 N | |
| Cross slide adjustment range | 0–35 mm (0–1.38") up-down, left-right | |
| Horizontal speed* | 0–110 cm/min (0–43.3 in/min) | |
| Weight | 8.4 kg (18.5 lbs) | |
| Welding settings storage | 1 (last used) | |
| Product Code | WOZ-0805-10-00-01-0 | |

* With battery fully charged.

Dimensions:



Standard shipping set:

- GECKO Battery tractor
- Battery 4.0 Ah (2 pcs included)
- Standard guide arms (set of 2 pcs)
- Long rod torch holder with clamp 16–22 mm
- Dual arc ignition cable of 6.5 m (21 ft)
- 4 mm hex wrench
- Plastic box
- Operator's manual

