

## ■ GECKO | COMPACT WELDING TRACTOR

Gecko is a portable trackless welding tractor that features a 4-wheel drive system with magnetic traction and a control loop feedback mechanism that provides 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 decreasing filler metal usage, substantially.

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

A wide range of accessories makes Gecko suitable for a variety of positions and applications.

A compact design tractor weighing 8 kg can be carried anywhere.

### ■ Applications:

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

### ■ Primary features and benefits

- The closed-loop speed control system stabilizes travel speed, enabling uniform heat input to produce consistently high-quality welds
- Multifunctional LED display to present travel speed, units and diagnostic messages
- 4-wheel drive magnetic traction permits out-of-position use
- Possibility of pre-setting the torch activation time before and after the tractor travel for better filling of the weld seam at both ends
- Convenient Power Supply 115–230 V, 50–60 Hz or 42 V, 50–60 Hz
- Gecko produces consistently high-quality welds and cuts in a fraction of the time required by manual operations
- Reduce wasted filler metal – eliminates over welding

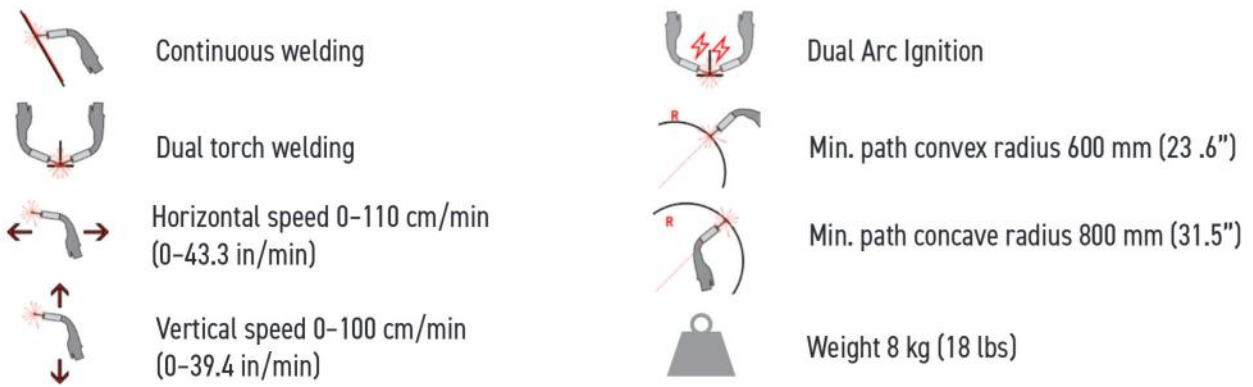


**42V AC** version available

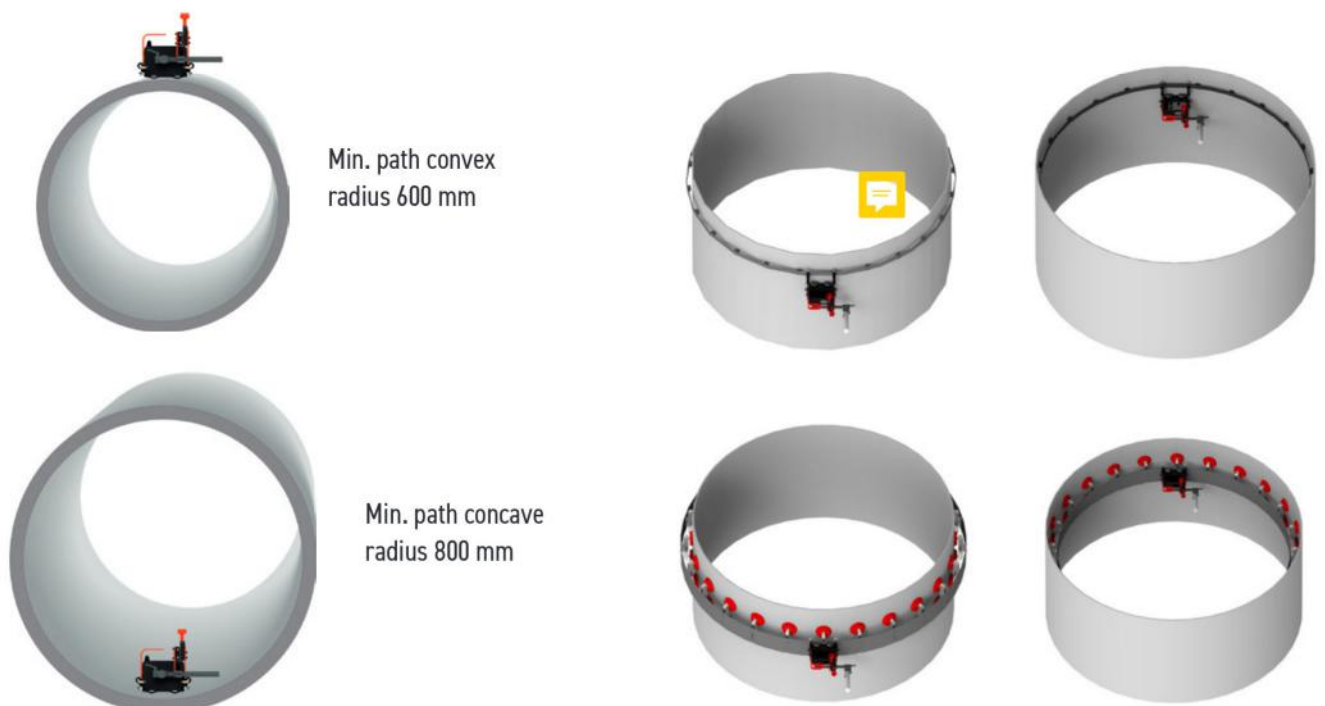
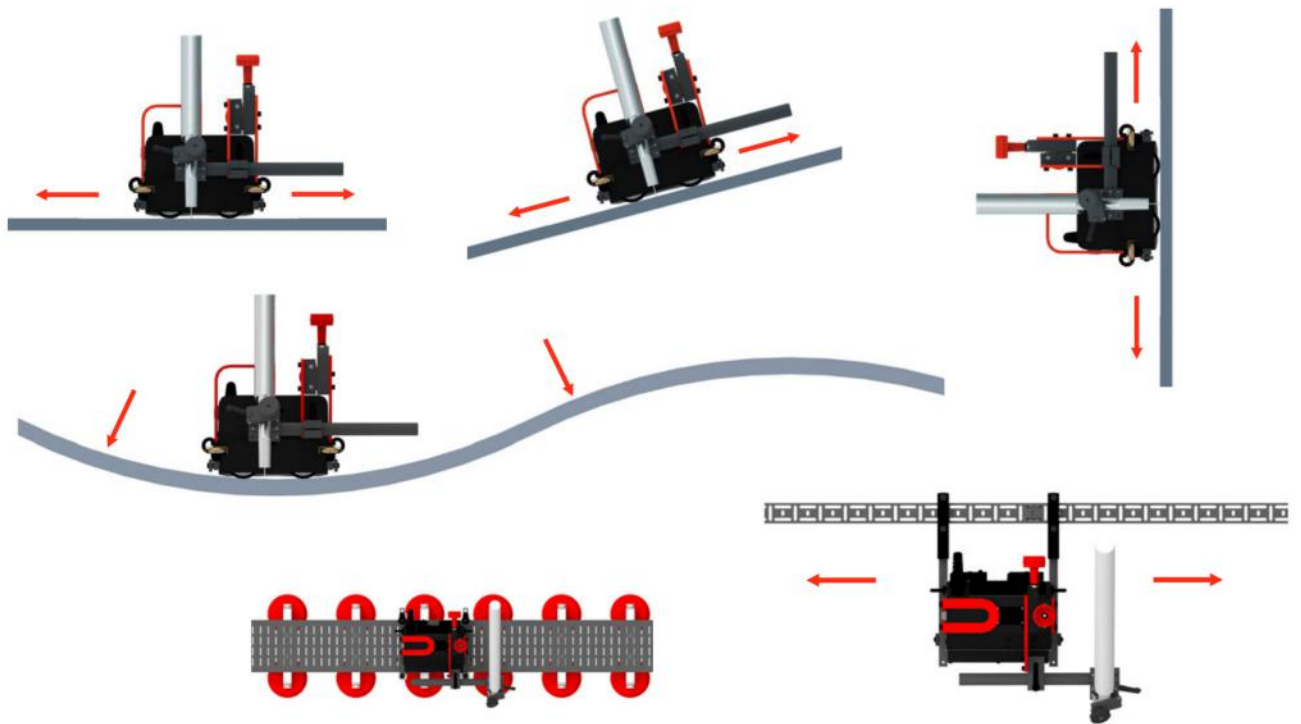


#### **GECKO HS (High Speed)**

with increased horizontal speed up to 220 cm/min (86.6 in/min) is suitable for both speed welding and plasma cutting



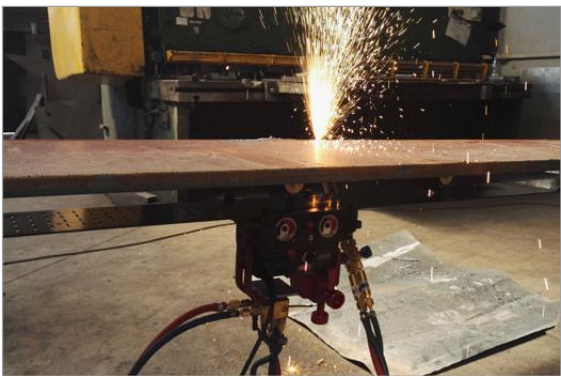
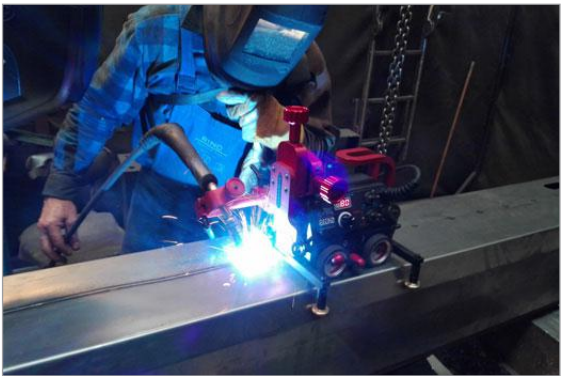
**Versatility of Gecko welding tractor applications including out-of-position use**





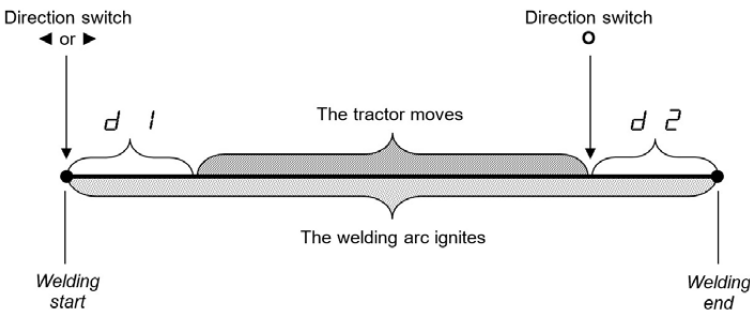
**More features and benefits of Gecko welding tractor:**

- Compact, lightweight design with durable aluminum cast housing
- Positive magnetic traction permits out of position use
- 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
- Capable of carrying and controlling 2 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
- Thermal cutting possible



**Pre-setting torch activation time**

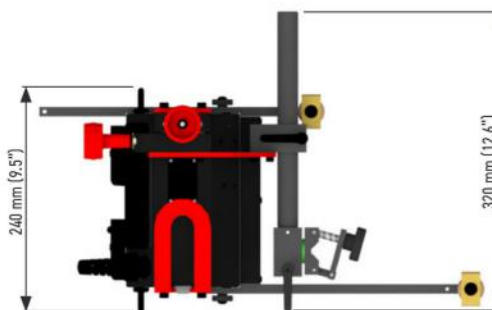
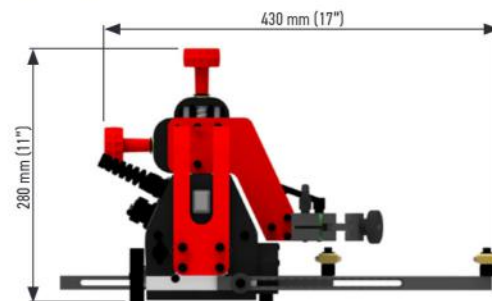
- Users can now select arc ignition times of up to 5 seconds at the start and end of the GECKO travel to create a preferred weld fill at both ends.



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 0: • $d2 = 0$ 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)

TECHNICAL SPECIFICATIONS	GECKO	GECKO HS
Voltage	1~ 115-230 V, 50-60 Hz 42 V, 50-60 Hz	1~ 115-230 V, 50-60 Hz 42 V, 50-60 Hz
Power	20 W	20 W
Welding position (according to EN ISO 6947 and AWS/ASME)	PA / 1F / 1G PB / 2F PC / 2G PD / 4F PE / 4G PG / 3F / 3G (contact dealer)	PA / 1F / 1G PB / 2F PC / 2G PD / 4F PE / 4G
Torch diameter	16-22 mm (0.63-0.87"); up to 35 mm (1.38") option	16-22 mm (0.63-0.87"); up to 35 mm (1.38") option
Minimum radius of curved workpiece surface	Outer 600 mm (23-5/8") Inner 800 mm (31-1/2")	Outer 600 mm (23-5/8") Inner 800 mm (31-1/2")
Minimum workpiece thickness	4 mm (0.16")	4 mm (0.16")
Ground clearance	4 mm (0.16")	4 mm (0.16")
Horizontal pulling force	150 N	150 N
Vertical pulling force	100 N	N/A
Cross slide adjustment range	0-35 mm (0-1.38") up down, left-right	0-35 mm (0-1.38") up down, left-right
Horizontal speed	0-110 cm/min (0-43.3 in/min)	5-220 cm/min (1.5-86.6 in/min)
Vertical speed	0-100 cm/min (0-39.4 in/min)	N/A
Weight	8 kg (18 lbs)	8 kg (18 lbs)
Welding settings storage	1 (last used)	1 (last used)
Product Code (115-230 V, 50-60 Hz, plug EU)	WOZ-0752-10-20-00-0	WOZ-0772-10-20-00-0
Product Code (115-230 V, 50-60 Hz, plug UK)	WOZ-0752-10-20-01-0	WOZ-0772-10-20-01-0
Product Code (42 V, 50-60 Hz)	WOZ-0777-10-04-00-0	WOZ-0778-10-04-00-0

### Dimensions:



More information at [www.promotech.eu](http://www.promotech.eu)



**American Welding Society**  
Supporting Company Member

Mitglied im DVS - Deutscher Verband für  
Schweißen und verwandte Verfahren e. V.



All information is subject to change without notice. 23.09



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