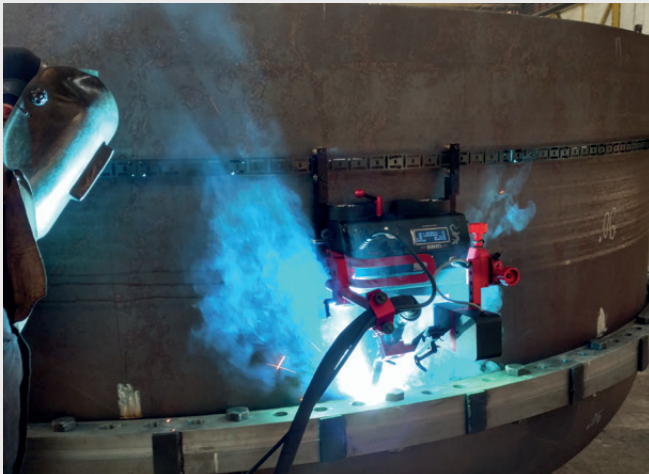


PROMOTECH®

WHEEL TRACTORS



RAIL TRACTORS



WHEEL TRACTORS



RAIL TRACTORS



*smart tools
for heavy tasks*

**WELDING & CUTTING
TRACTORS**

Mini Spider

FILLET WELDING TRACTOR



Continuous welding



Torch placement on either side



Horizontal speed
5–110 cm/min



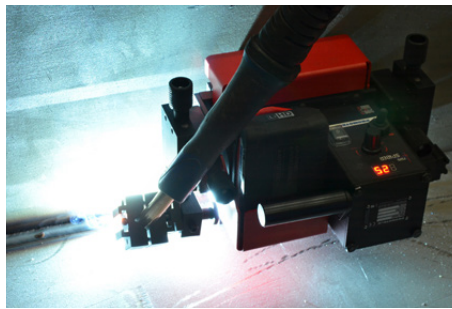
Vertical speed
0–100 cm/min



Welding in narrow spaces

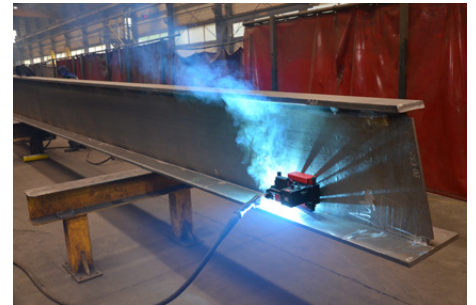


Weight 7,6 kg



Features & benefits:

- Compact and lightweight design facilitates welding in narrow spaces
- Convenient 18 V DC battery supply (the same battery for both Mini Spider and Gecko Battery)
- LiHD battery ensures maximum power availability for an extremely long time
- Intelligent battery management for long-lasting battery
- Low-battery indicator
- Closed loop speed control system stabilizes travel speed enabling uniform heat input to produce consistently high-quality welds
- Digital LED display for presetting of travel speed and diagnostic messages
- Torch placement on either side
- Welding edge to edge (e.g. welding of stiffeners for bridge structures)
- Built-in guide rollers



Gecko Battery

MOBILE WELDING TRACTOR



Continuous welding



Dual torch welding



Horizontal speed
0–110 cm/min



Dual Arc Ignition



Min. path convex radius
600 mm



Min. path concave radius
800 mm

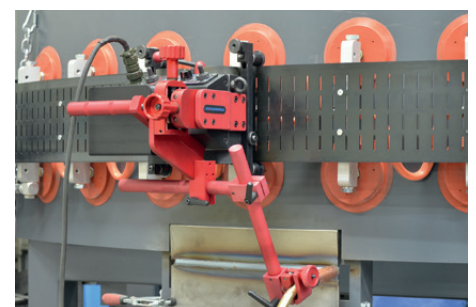


Weight 8,6 kg



Features & benefits:

- Compact, lightweight design with durable aluminum cast housing
- Convenient 18 V DC battery supply (the same battery for both Mini Spider and Gecko Battery)
- LiHD battery ensures maximum power availability for an extremely long time
- Intelligent battery management for long-lasting battery
- Digital speed control and stabilization for high quality welds
- Multifunctional LED display to present travel speed, units and diagnostic messages
- Precise torch adjustment with screw drive cross slide
- Capable of carrying and controlling two torches
- Automatic arc on/off system initiates welding and travel, simultaneously
- Optional accessories make Gecko Battery fit for various applications with carbon steel, stainless steel and aluminum



Gecko

COMPACT WELDING TRACTOR

42V AC version available



Continuous welding



Dual torch welding



Horizontal speed
0-110 cm/min



Vertical speed
0-100 cm/min



Dual Arc Ignition



Min. path convex radius
600 mm



Min. path concave radius
800 mm

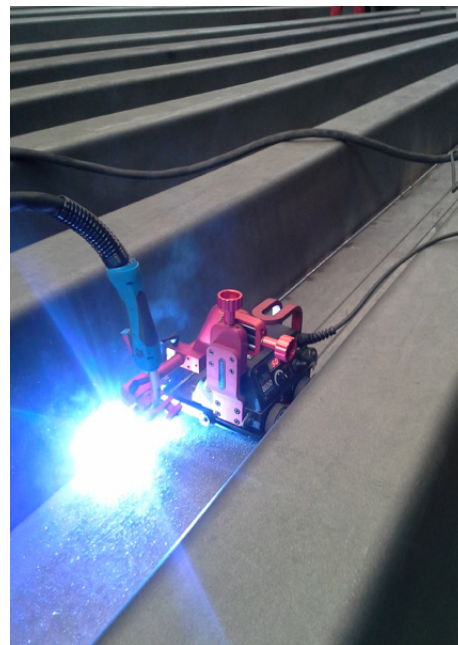


Weight 8 kg



Features & benefits:

- Compact, lightweight design with durable aluminum cast housing
- Closed loop speed control system stabilizes travel speed enabling uniform heat input to produce consistently high-quality welds
- Reduce wasted filler metal - eliminates over welding
- Multifunctional LED display to present travel speed, units and diagnostic messages
- Precise torch adjustment with screw drive cross slide
- Capable of carrying and controlling two torches
- Automatic arc on/off system initiates welding and travel, simultaneously
- Convenient Power Supply 115-230 V, 50-60 Hz or 42 V, 50-60 Hz



Lizard

PROGRAMMABLE WELDING TRACTOR

42V AC version available



Continuous welding



Stitch welding



Dual Arc Ignition



Angular oscillation



Dual torch welding



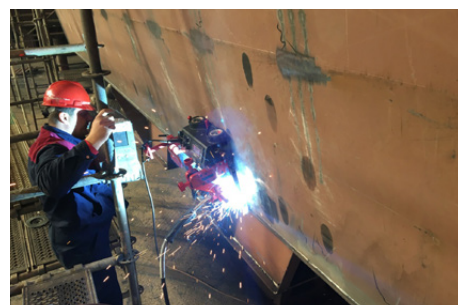
Min. path convex radius
1500 mm



Min. path concave radius
1500 mm

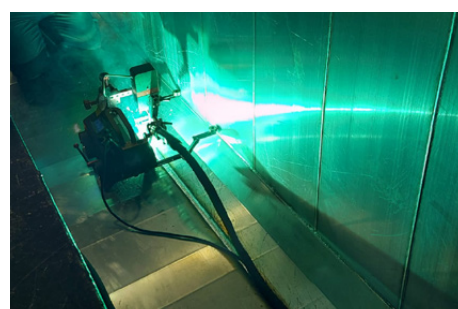


Programming device up to
40 welding programs



Features & benefits:

- Up to 40 complete programs may be stored in non-volatile memory to repeat optimum weld procedures
- Closed loop speed control system stabilizes travel speed enabling uniform heat input to produce consistently high-quality welds
- Can work in continuous or stitch welding modes
- Multifunctional LCD display and 2-function buttons for programming of selected welding patterns and parameters such as weld length, distance between welds, reverse fill, crater fill time and others
- Lizard travels at full speed between stitches, which saves valuable welding time.
- Optional torch oscillator produces weave welds
- 4-wheel drive magnetic traction permits out of position use
- Compact, lightweight design with durable aluminum cast housing
- Capable of carrying and controlling two torches
- Automatic arc on/off system initiates welding and travel, simultaneously
- Convenient Power Supply 115-230 V, 50-60 Hz or 42 V, 50-60 Hz

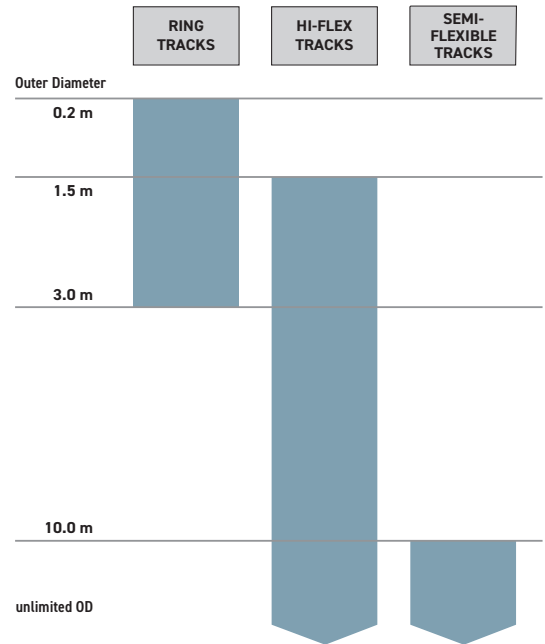


TRACKS FOR RAIL TRACTORS

Promotech offers a wide range of tracks suitable for straight line, circumferential and irregular surface applications down to min. radius of 100 mm. The tracks can be fixed on both ferrous and non-ferrous materials by means of magnetic or vacuum units. Single track sections can be joined together to accomplish the required working track length.

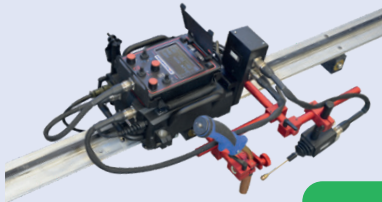
- RING TRACKS for Rail Titan and Rail Tug**
For circumferential applications from 200 mm OD up to 3000 mm OD
Ring tracks can be equipped with various supports depending on the customer's needs.
- HI FLEX TRACKS for Rail Titan and Rail Tug**
For lots of circumferential and irregular applications down to 750 mm radius.
- SEMI-FLEXIBLE TRACKS for Rail Titan, Rail Tug and Rail Bull**
For straight line and irregular surface applications. It can be flexed to minimum radius of 5 m without permanent deformation.
- RIGID TRACKS for Rail Titan, Rail Tug and Rail Bull**
For straight line applications and for going beyond workpiece and continuous welding edge to edge.
- V-TRACKS for Dragon and Dragon HS**
Customized tracks for thermal cutting tractors.

Tracks for circumferential and irregular applications



Rail Titan

MODULAR TIG-MIG-MAG WELDING AND CUTTING RAIL TRACTOR

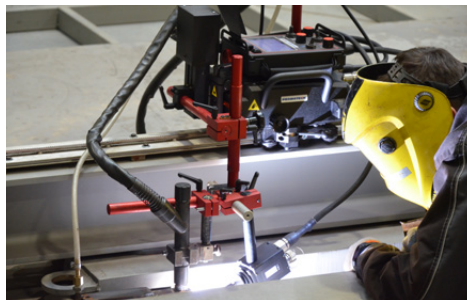


TIG
resistant

- Continuous welding
- Stitch welding
- Linear oscillation with trapezoid, triangle, square and straight line paths
- Horizontal speed 0-250 cm/min
- Vertical speed 0-250 cm/min
- Hi Flex Track min OD 1500 mm min ID 3400 mm
- Min. path convex radius for semi-flexible tracks is 5 m
- Ring tracks from 200 mm OD up to 3 m OD

Features & benefits:

- Robust design with die-cast aluminum housing
- Suitable for TIG welding (HF resistant)
- Advanced closed loop position control system based on electric motor with high resolution encoder ensures increased accuracy of speed and positioning
- Ergonomic remote control pendant with simple and easy to find control knobs makes adjustments possible without lifting of the operators welding hood
- Programmable path of stitch welds
- Suitable for variety of circumferential and irregular surface applications down to minimum radius of 100 mm (4")
- Seam tracking enables active compensation of torch position vertically and horizontally with and without oscillation
- Suitable for all welding positions on both ferromagnetic and non-ferromagnetic materials
- Signal sockets/plugs feature increased HF immunity and improved grip for easier tightening & loosening
- Wide input voltage range: 100-240V, 50-60Hz 1ph (single phase)



Rail Bull

TRACK WELDING TRACTOR WITH OSCILLATOR



Continuous welding



Horizontal speed
0–120 cm/min



Vertical speed
0–110 cm/min



Min. path convex radius
5000 mm



Min. path concave radius
5000 mm



Linear oscillation with
trapezoid and straight
line paths



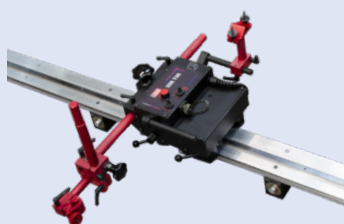
Features & benefits:

- Compact, lightweight design with durable aluminum cast housing
- Closed loop position control system based on electric motor with encoder ensures increased accuracy of speed and positioning
- Integrated linear oscillator for weave welding and overlay
- Multifunctional LCD display shows process parameters and warnings
- The tracks that can be clamped to ferrous materials with magnetic units and to non-ferrous materials by means of vacuum track system incl. vacuum pump and vacuum units.
- The minimum curvature radius required is 5 m
- Ready to work in both vertical and horizontal positions
- Convenient power supply 115–230 V, 50–60 Hz or 42 V, 50–60 Hz



Rail Tug

TRACK WELDING AND CUTTING TRACTOR



Continuous welding



Horizontal speed
10–200 cm/min



Vertical speed
10–200 cm/min



Hi Flex Track
min OD 1500 mm



Min. path convex radius for
semi-flexible tracks is 5 m

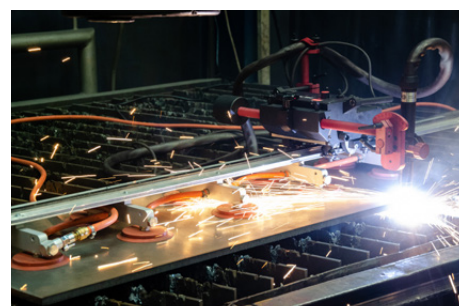


Ring tracks from 200 mm
OD up to 3 m OD



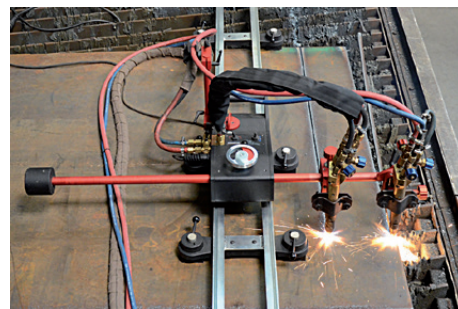
Features & benefits:

- Compact, lightweight design
- Closed loop speed control system stabilizes travel speed enabling uniform heat input to produce consistently high-quality welds and cuts
- Digital LED display for pre-setting travel speed
- Suitable for variety of circumferential and irregular surface applications down to minimum radius of 100 mm (4")
- Precise torch adjustment with screw drive cross slide
- Automatic arc on/off system initiates welding and travel, simultaneously
- Oxy-fuel and plasma cutting possible with optional accessories
- Convenient power supply 115–230 V, 50–60 Hz



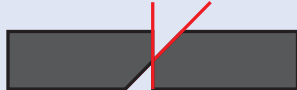
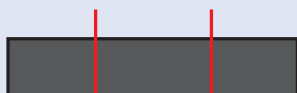
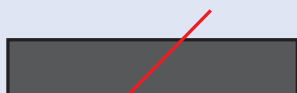
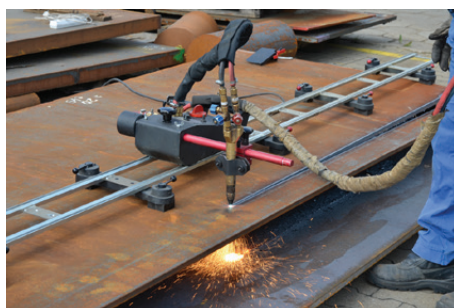
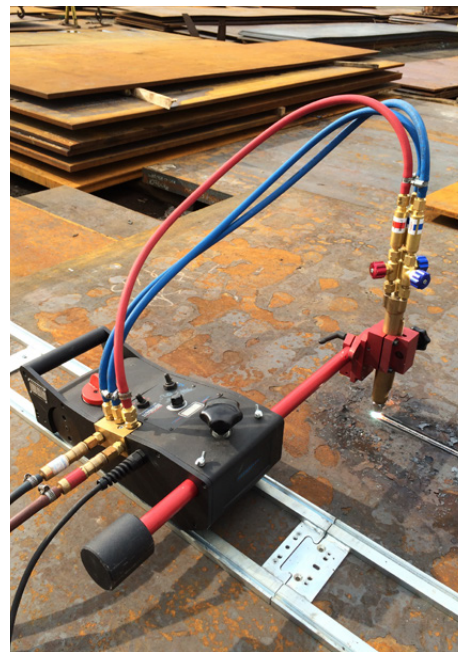
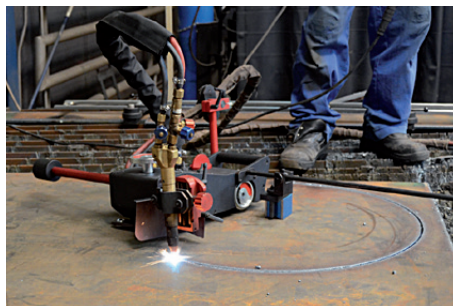
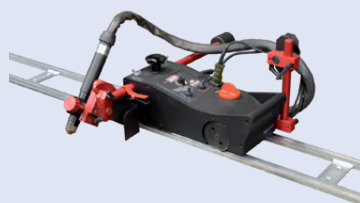
Dragon

CUTTING TRACK TRACTOR
FOR OXY-FUEL



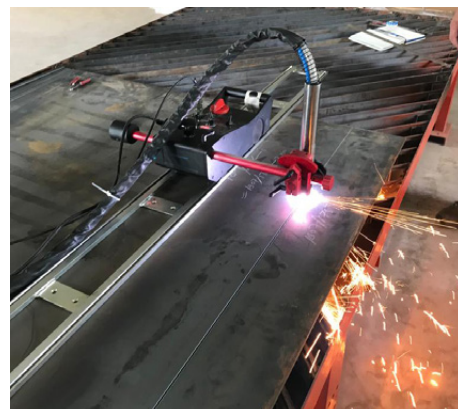
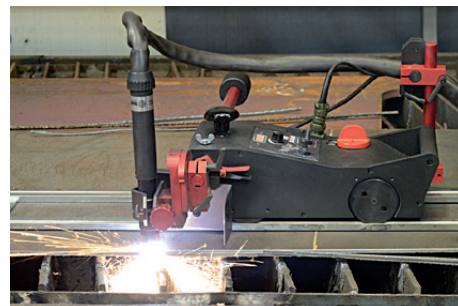
Dragon HS

CUTTING TRACK TRACTOR
FOR PLASMA



Features & benefits:

- Cutting and beveling up to 45° (also parallel by means of 2 torches)
- Digital speed control and stabilization for high quality cuts
- LED display with readout of actual and set speed, and report messages
- Runs on a rail or directly on a workpiece
- Quick drive release switch for easy re-positioning
- Wide assortment of optional accessories like machine barrel torch holders, manifolds, circle cutting attachment make it useful for variety of applications.
- Convenient Power Supply 115-230 V, 50-60 Hz
- The 42V AC version is also available



All information is subject to change without notice. 23.06



PROMOTECH Sp. z o.o.
ul. Elewatorska 23/1, 15-620 BIAŁYSTOK, POLAND
tel. (+48 85) 678 34 05, fax (+48 85) 662 78 77
marketing@promotech.eu www.promotech.eu

Your local dealer:

