PROMOTECH®

smart tools
for heavy tasks

ISO 9001 Quality Management Systems CERTIFIED
FM 37982

MINI SPIDER BATTERY | CORDLESS WELDING TRACTOR

The MINI SPIDER Battery is a battery-powered welding tractor designed to produce continuous fillet welds using MIG/MAG torches. The CAS LiHD (High Density Lithium Ion) battery provides sufficient power for handling even the toughest applications without the need for cables.

The 4-wheel drive system and permanent magnetic base provide powerful traction and smooth travel. Travel speed control and stabilization enable precise matching of weld bead geometry to required specifications, reducing costly over-welding and significantly decreasing filler metal consumption.

The torch can be swapped from one side of the MINI SPIDER Battery to another, enabling the operator to weld the entire workpiece from end to end.

Features and benefits:

- The compact and lightweight design facilitates welding in narrow spaces
- Convenient 18 V DC battery supply (same 4.0 Ah battery as other PROMOTECH battery-powered tractors)
- No need for mains power and one less cable to carry around
- Intelligent battery management for long-lasting performance
- Digital LED display for presetting of travel speed and diagnostic messages
- Easy access for battery charge level reading
- Built-in guide rollers with adjustable height
- Torch on the left or right side
- Welding edge to edge (e.g. welding of stiffeners for bridge structures)
- Consistent heat input reduces distortion

BOOST YOUR MOBILITY WITH BATTERY POWER!
No need for power cables

Control system of battery pack:

Detection and supervised parameters:

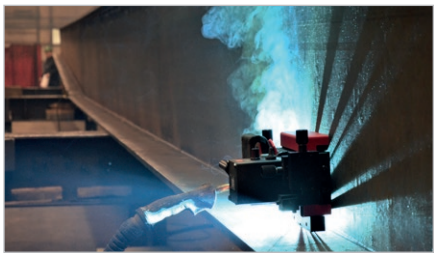
- too low and too high voltage
- too low and too high temperature
- failure of the temperature sensor
- internal battery failure

Benefits:

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

CAS CORDLESS ALLIANCE SYSTEM

Torch on the left or right side



Welding edge to edge

Welding in narrow spaces (min. width 200 mm)

Continuous welding

Horizontal speed 0–110 cm/min

Torch on the left or right side

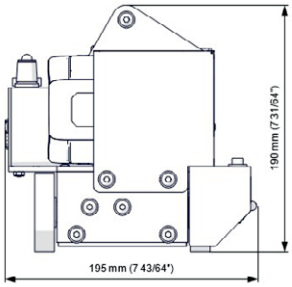
Welding in narrow spaces

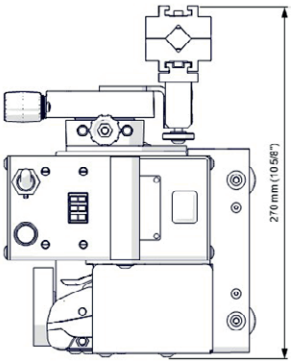
Weight 6,6 kg

MINI SPIDER Battery Technical Specification	
Voltage	18 V DC, 4.0 Ah
Power	25 W
Welding position (according to EN ISO 6947 and AWS/ASME)	PB / 2F PA / 1F
Torch diameter	16–22 mm (0.63–0.87")
Min. workpiece thickness	4 mm (0.16")
Ground clearance	4 mm (0.16")
Horizontal pulling force	150 N
Horizontal speed *	0–110 cm/min (0–43.3 in/min)
Cross slide adjustment range	0–21 mm (0–0.83") up down, left-right
Weight (w/o battery)	6.6 kg (14.6 lbs)
Product code	WOZ-0759-10-00-00-0

** With battery fully charged*

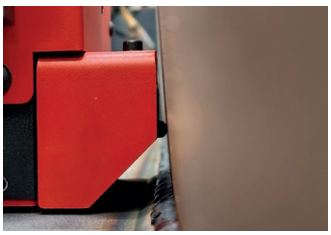
Dimensions:



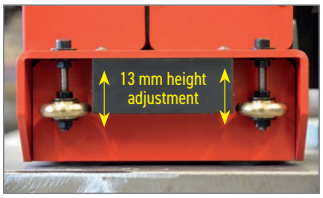


Horizontally laid control panel with display for easy reading and knob adjustment.

Side mounted battery for ergonomic handling with easier access for battery charge level reading.



Specially designed shielding with an undercut that facilitates multi-pass welding and significantly reduces the risk of collisions

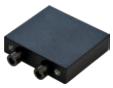


Height-adjustable guide rollers in a range of 13 mm

Standard accessories:

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

Torch holder
ZCS-0270-42-00-00-0



Bracket for opposite torch placement
DYS-0759-08-00-00-0

Optional accessories:

Cross-slide with bracket
ZSP-0759-07-00-00-0

Enlarged cross slide bracket
WSP-0759-12-01-00-0

Auxiliary magnet blocks
ZSP-0759-10-00-00-0

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

Battery Charger
LDW-0738-10-00-30-0 (EU)
LDW-0738-06-00-30-0 (AUS/NZ)
LDW-0738-04-00-30-0 (UK)

Torch position – left or right side

For continuous operation, the cross-slide with torch holder is positioned on the left side of the tractor.
The torch can be mounted on the right side for short-term use of up to 10 minutes, ideal for completing the weld.
No optional accessories are required to change the torch position side.

Cross-slide with torch holder on the **left side**: suitable for **continuous operation**

Cross-slide with torch holder and bracket are included in standard shipping set

Cross-slide with torch holder on the **right side:** suitable for **operation up to 10 minutes**

Standard shipping set:

- Tractor
- Plastic box
- Bracket
- 3 mm hex wrench
- 4 mm hex wrench
- 5 mm hex wrench
- Battery 4.0 Ah (2 pcs)
- Operator's manual

Optional configuration with two cross slides

If the customer finds it useful to have the tractor ready to hold a torch on either side, the optional cross slide is needed.

Torch to be hold on the left side

Optional cross-slide with bracket

Torch to be hold on the left or right side

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

DVS VERBAND

American Welding Society
Supporting Company Member

More information on www.promotech.eu

All information is subject to change without notice. 25.12

PROMOTECH Sp. z o.o.
Elewatorska 23/1
15-620 Białystok, POLAND
Phone +48 85 678 34 05
marketing@promotech.eu

Your local dealer: