

ABICAR POWER PAK

The system solution for welding specialists and environmental protection

This welding tractor complete system offers the best health protection when welding long distances – and completely does without lithium-containing batteries!



Focus on health of the welding specialist – and the environment



Clamping your own manual torch onto the welding tractor when welding long distances can be so easy: with the ABICAR POWER PAK. This system solution combines welding tractor, manual welding torch, TCP clamp and power source including wire feed unit. TCP – Tool Center Point – is a term used in automation and means working point.

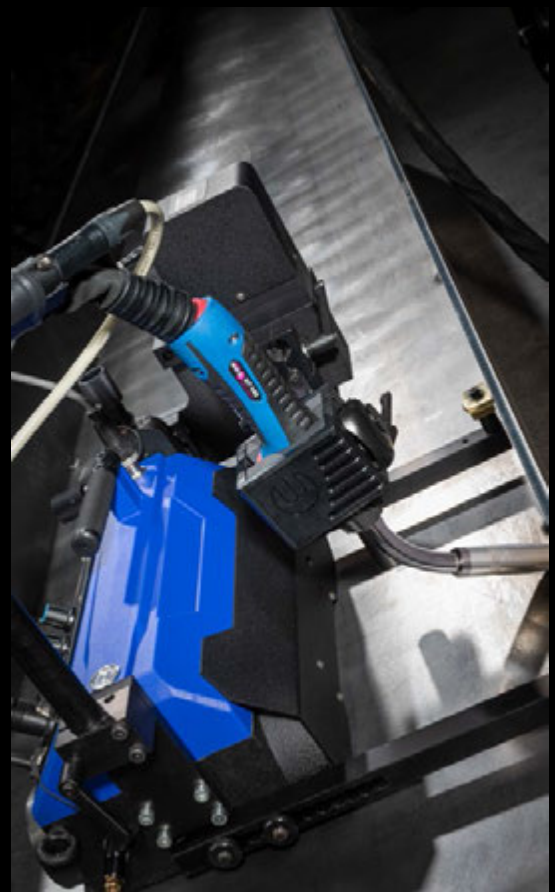
Anyone who wants to weld long seams safely and with a stable TCP after unclamping and reclamping the manual torch will be able to save a lot of time with this complete system.

Without battery – good for the environment

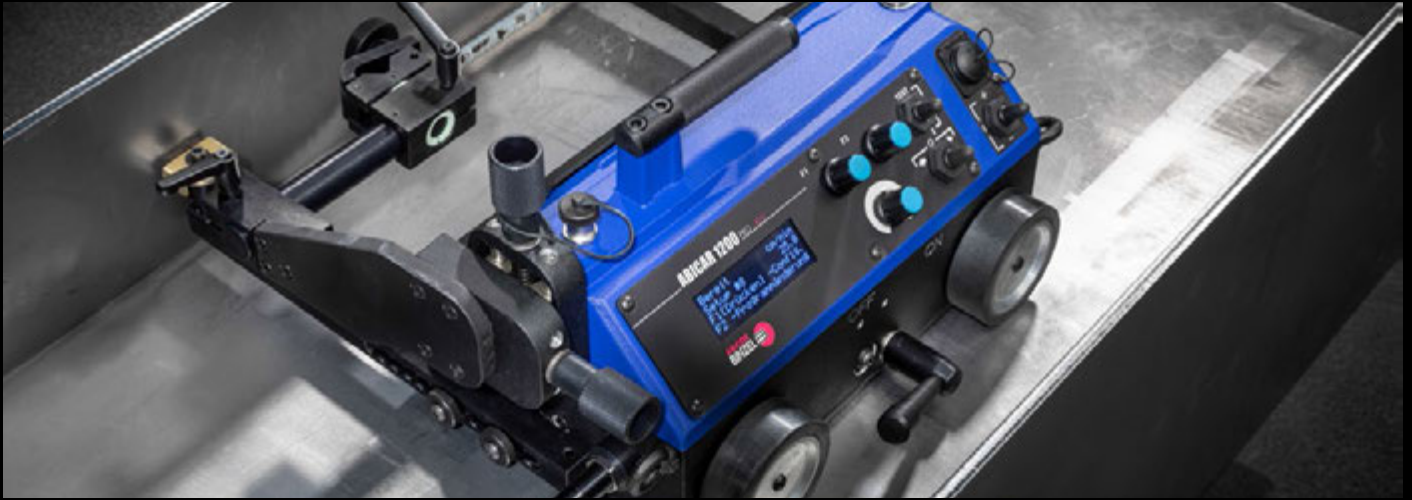
Welding in a tank without a battery-powered welding tractor or isolating transformer? No problem with the ABICAR POWER PAK, because the power supply is integrated in the torch cable assembly and is at 42 volts operating voltage. This system solution minimises the ruthless exploitation of the environment, as the ABICOR BINZEL welding tractors can be operated entirely without lithium-containing rechargeable batteries.

42 volts – powerful for every safety requirement

The ABICAR POWER PAK is available in a 42 volts version. Welding in areas with electrical risks, e.g. in tanks, thus becomes a safe job for the welding specialist. With the ABICAR POWER PAK, danger to people from electricity is excluded. Even if the voltage supply line is damaged by falling, sharp or sharp-edged objects.



ABICAR P



ABICAR POWER PAK to the point:

- Complete system solution for welding long seams
- Robust design for use in heavy engineering
- Mechanised welding without additional cables
- Ideally matched components
- Welding parameters controlled via the welding tractor
- Working in areas with electrical risk is possible
- All accessories from one source

	Manual	Mechanised	Automated
Flexibility	xxx	xx	x
Process control	xx	xxx	x
Duty cycle	x	xx	xxx
Consistent quality	x	xxx	xx
Purchasing costs	€	€€	€€€

POWER PAK

The TCP clamp

Precise, reproducible reclamping guaranteed



Precise welding

Weld a long seam with the welding tractor and the last part manually? Unclamp the torch for e.g. spot welding and reclamp it? With the TCP clamp of the ABICAR POWER PAK, restarting the welding process at the same position is guaranteed. The manual torch can be **clamped to the handle** in seconds, two drill holes on the handle and the special shape of the TCP clamp secure the torch against twisting and ensure a firm fit. Using the ABICAR POWER PAK for a constantly recurring welding task reduces set-up times to practically zero.

ABICAR POWER PAK TCP clamp to the point:

- Flexible switching between manual and mechanised welding
- Precise reclamping
- Fixing of the manual torch within seconds
- Suitable for all MIG/MAG manual torches from ABICOR BINZEL
- Available in two sizes – also suitable for xFUME® extraction torches
- No more clamping on the torch neck
- Protection of the torch trigger against accidental activation



The manual torches

Well-known quality torches with additional function



ABIMIG® W T

ABIMIG® MTG

ABICOR BINZEL is known as the world market leader in arc welding for the high quality of its welding torches. The MIG/MAG welding torches ABIMIG® W T as well as ABIMIG® MTG designed for the ABICAR POWER PAK are equipped with an additional cable for communication with the power source.

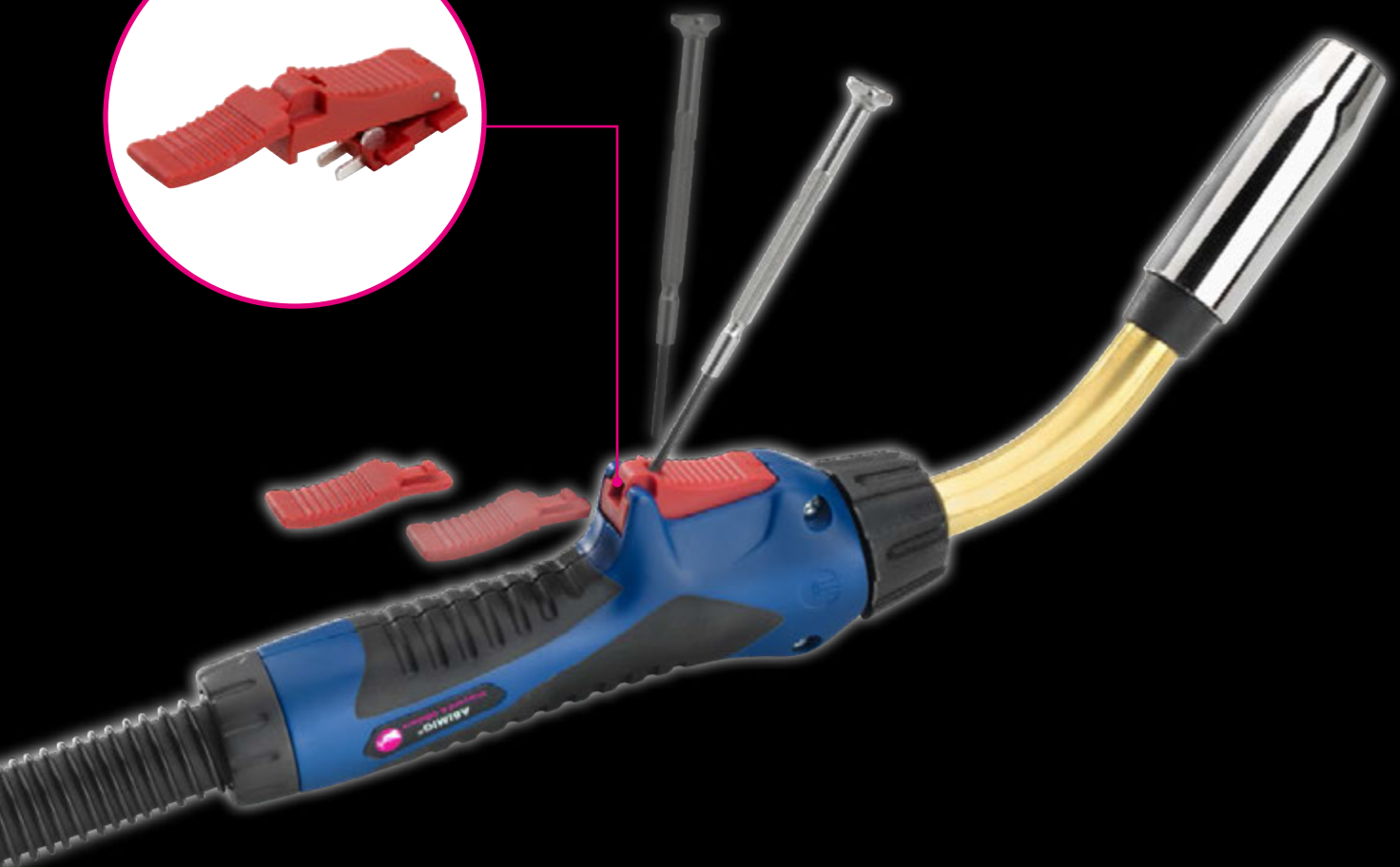
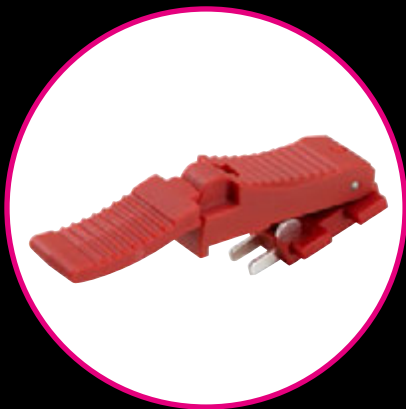
The voltage cable and the signal cable are inside the cable assembly of the torch. Thus, you need no connecting cable from the power source to the welding tractor. This makes the welding tractor easier to handle and also reduces the risk of damage or tripping.

You can start or stop the welding process with the START/STOP switch on the ABICAR. If you want to adjust the welding parameters during operation, simply use the UP/DOWN switch.

If you want to continue welding manually, you can remove the torch within a few seconds thanks to the quick connectors without screws.

ABICAR POWER PAK manual torches to the point:

- All advantages of the proven ABIMIG® torches W T and MTG
- Additional communication interface to the power source
- Quick connector without screws enables connecting and disconnecting in seconds



The power source including wire feed unit Valuable team player in a complete system



With the iMIG POWER 400 welding power source, a true team player in mechanisation complements the ABICAR POWER PAK system solution – and is only available in this combination. This power source is intuitive to operate, provides excellent arc ignition and keeps the arc constant. All components installed in this power source are extremely robust and thus optimally suited for use in tough industrial environments. Even for the provision of 42 volts, everything is already prepared without having to carry out any further additional installation measures. The flat wire feed unit with 4-wheel drive can be easily pulled even through low construction heights.

iMIG POWER welding power source to the point:

- Ideal for tough industrial use
- Modular design with roller function allows high flexibility
- Excellent arc ignition
- 42 volts supply already included

**With the
ABICAR POWER PAK
system solution, longitudinal
seam welding of several
metres has never been
so gentle for the welding
specialist – and for
our environmental
resources.**



Our product range

MANUAL

- MIG/MAG welding torches
- TIG welding torches
- Plasma cutting torches
- Plasma welding torches

EXTRACTION TECHNOLOGY

- Fume extraction systems
- Fume extraction torches
- Fume extraction & power source combination system

ROBOTIC SYSTEMS

- Robot torches MIG/TIG/Plasma
- Robot switch-off protections
- Torch cleaning stations
- Wire cutting devices
- Robot power source
- System solutions for cobots
- Pipe welding robot
- Wire feeder systems
- Seam tracking sensors
- Gas management systems

LASER SYSTEMS

- Remote laser scanner
- Tactile laser optics
- Wire feeder systems
- Process monitoring tools
- Weld seam inspection

ORBITAL WELDING

- Orbital welding systems
- Positioning bands
- Coated contact tips

HARD AUTOMATION

- Welding tractors
- Welding tractor & power source combination system
- MIG/MAG automatic torches
- Plasma automatic welding and cutting torches

WELDING ACCESSORIES

- Wear parts MIG/TIG/Plasma
- Intermediate cable
- Sockets and plugs
- Electrode holders
- Gouging torches
- Gouging electrodes
- Utilities and tools
- Cooling units
- Wire feeding units
- Equipment for weld seam treatment
- Anti-spatter agents, sprays and pastes



Alexander Binzel Schweisstechnik GmbH & Co. KG
Kiesacker · 35418 Buseck · GERMANY
T +49 64 08 / 59-0
F +49 64 08 / 59-191
info@binzel-abicor.com

www.binzel-abicor.com