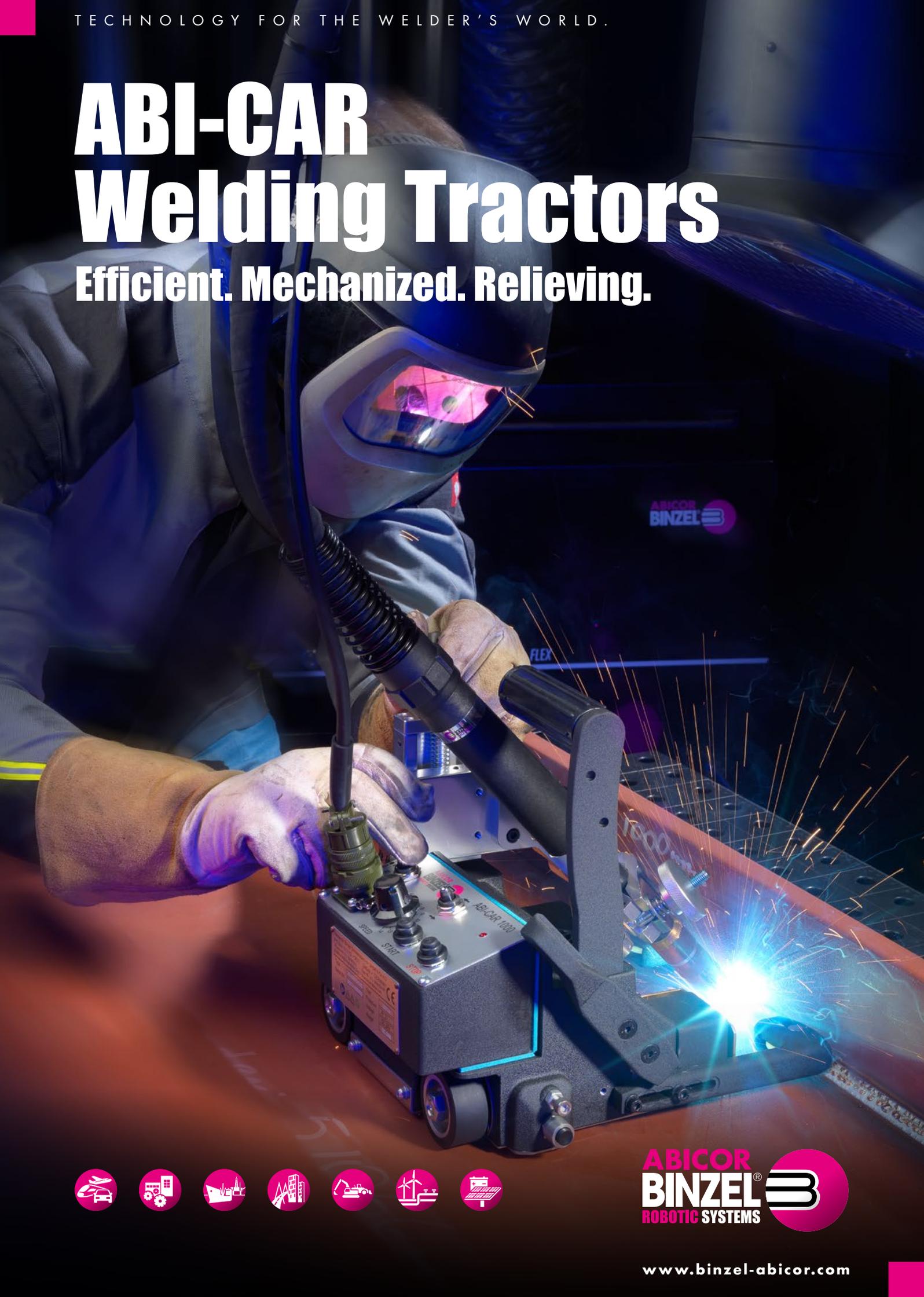


ABI-CAR Welding Tractors

Efficient. Mechanized. Relieving.



ABICOR
BINZEL

FLEX



More efficient production! Partially mechanized welding with the ABI-CAR welding tractors.



Fatigue-proof high-quality joining.

Economical entry-level solutions.

ABI-CAR welding tractors are a cost-effective alternative for high investments in fully automated plants. With a comparably low investment they offer a particularly easy entry into mechanized welding. Because they can be used quickly everywhere in the production, they allow excellent flexibility. Long and circumferential seams can be welded through easily and comfortably without interruptions, the user concentrates on the process and quality and makes manual adjustments if necessary – during operation. With the result: weld seams with consistently high quality. And the welder himself avoids welding in a forced position.

Physically relieving.

Welding long seams is not only physically demanding and tiring for the welder, but the quality of the seam

can also suffer. With the ABI-CAR welding tractors welders get a valuable support when welding long, straight seams, because the welding tractor takes over the continuous torch guidance. Even 5 m welding without portal or robot are no problem with the ABI-CAR welding tractors. They relieve the welder, allow a consistently better quality of the weld seam and for the company an increased profitability.

Ready to weld package solutions.

ABI-CAR welding tractors can be perfectly adapted to individual requirements. For this purpose, ABICOR BINZEL offers a wide range of mechanical components as well as welding torches and hose packages for all material groups and arc process variants. Due to the modular system, all components can be installed quickly, which additionally supports the productivity of the welder.

Simply integrate! A benefit for a wide range of applications.

ABI-CAR welding tractors are ideal for longitudinal and circular seam welding.



Arguments that speak for themselves.

ABI-CAR welding tractors form the bridge between classic manual welding and fully automated welding – and score with clear arguments:

- **Easy integration:** Easy and inexpensive connection to all commercially available manual welding devices
- **Simple handling:** Simply clamp the welding torch and start welding
- **Optimum seam quality:** Consistently high-quality welding results even with long components
- **Better ergonomics:** Reduced physical stress and thus absence from work
- **Increased productivity:** Constant high welding speed and uninterrupted welding
- **Premium quality:** Tractors and accessories meet the high ABICOR BINZEL quality standards

The tractor for perfect welding seams

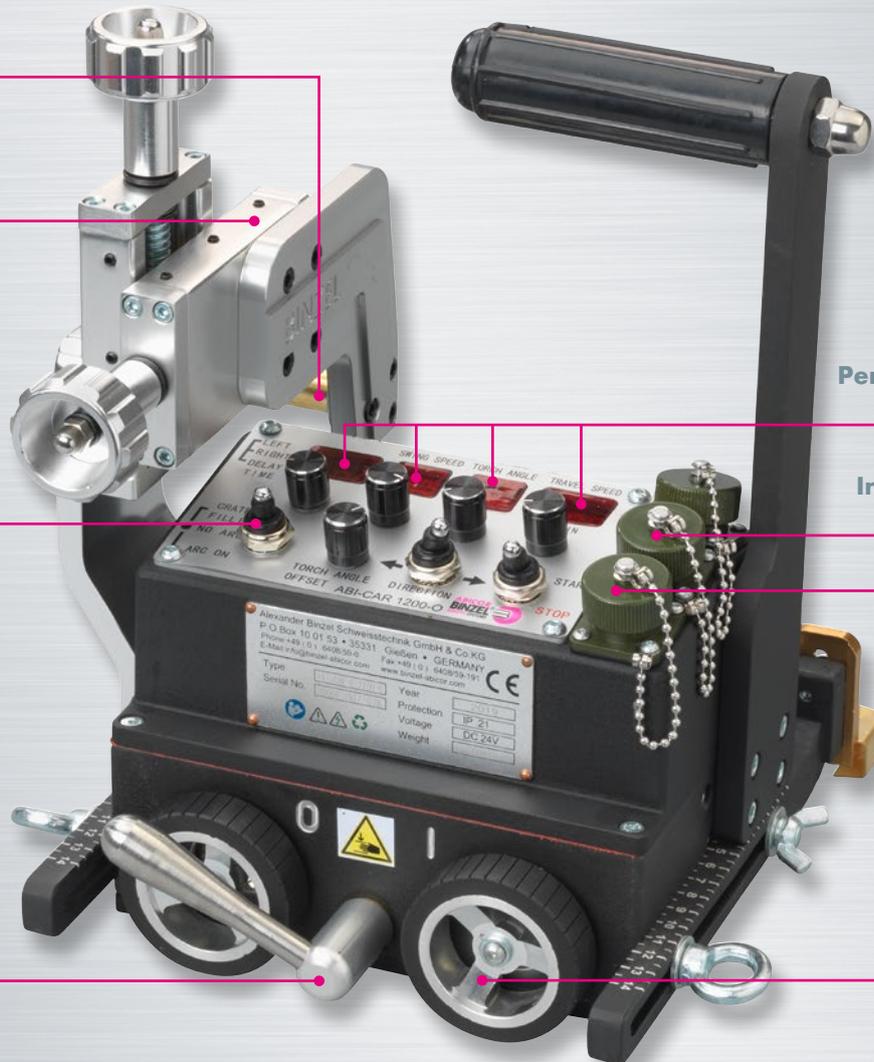
Welding tractor ABI-CAR 1200-O

Adjustment in X, Y or Z direction

Cross support

Welding function

Magnetic lifter



Pendulum parameter speed

Interface ABI-CAR & Wire feeder

Power supply

All-wheel drive

Programcontrolled movement and optimal communication with the power source.

Perfect welding seams in constant high quality are no problem with the welding tractor ABI-CAR 1200-O.

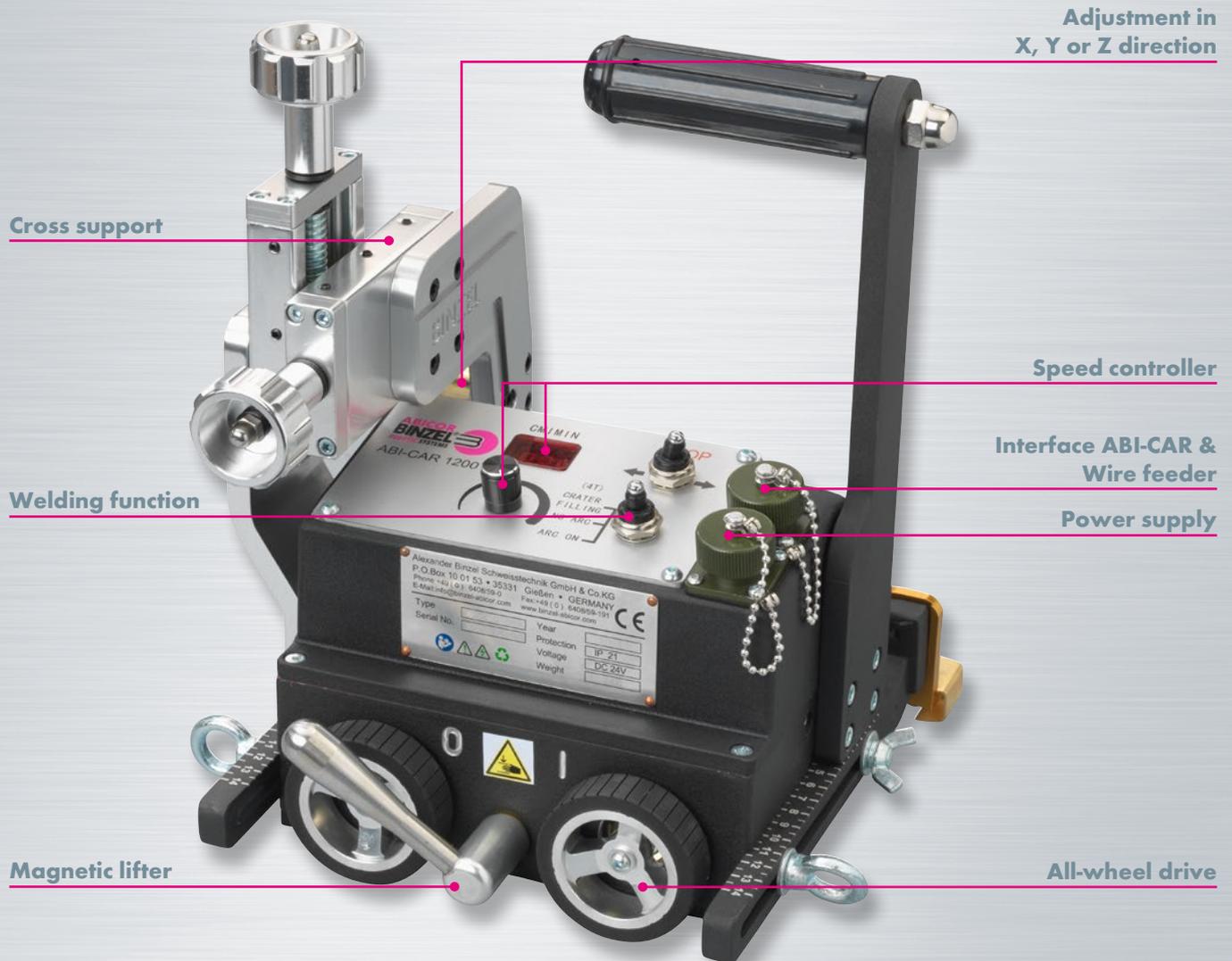
- **Adjustable pendulum unit** with a wide range of options – symmetrical/asymmetrical pendulum, center/left/right retardation
- **Clear display** shows real speed, edge dwell time, pendulum width and pendulum speed
- **5-axis torch adjustment** enables the torch to be positioned flexibly before starting – two axes can be adjusted while travelling – suitable for torch necks up to 25 mm in diameter
- **Adjustable speed** from up to 1200 mm/min

- **Practical additional functions** such as auto start/stop, manually controllable end crater filling for power sources with 4-stroke control

- **Open connection** to the wire feed case, which can be individually adapted

For use with guide rails

Welding tractor ABI-CAR 1200



Reproducible results for stable quality.

Reproducible working data enable perfect welding results and stable quality for long seams.

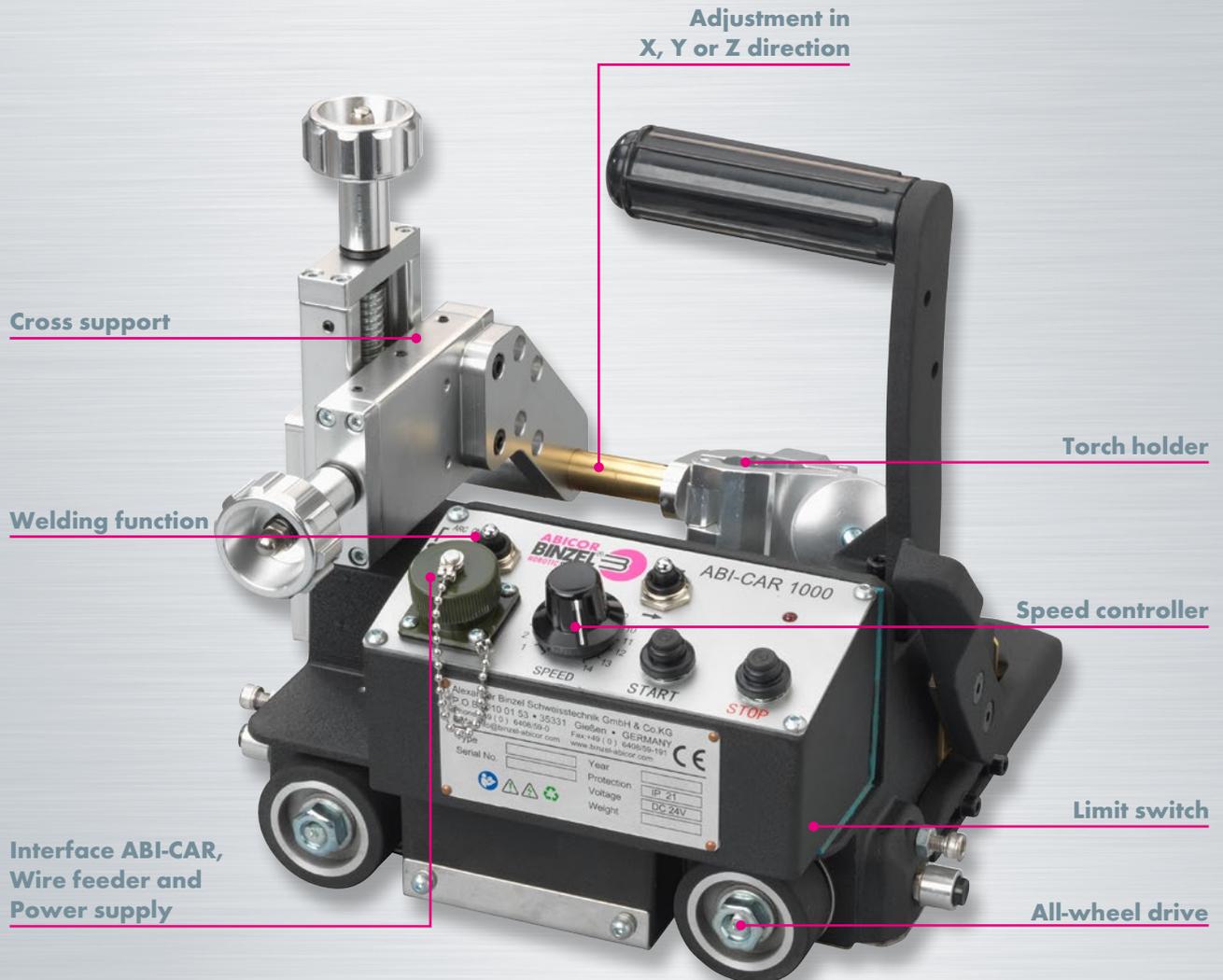
- **Optimal process control** through variable travel speed during operation
- **5-axis torch adjustment** enables the torch to be positioned flexibly before starting – two axes can be adjusted while travelling – suitable for torch necks up to 25 mm in diameter
- **Adjustable speed** of up to 1200 mm/min

- **Practical additional functions** such as auto start/stop, manually controllable end crater filling for power sources with 4-stroke control

- **Adaptable to guide rails** if they are required for the welding task
- **Open connection** to the wire feed case, which can be individually adjusted

The reliable entry-level model with no frills

Welding tractor ABI-CAR 1000



Partially mechanized welding made easy.

Robust and versatile welding tractor as entry-level model for simple applications.

- **Simple operation** by setting the travel speed up to 1000 mm/min using the rotary potentiometer
- **4-axis torch adjustment** enables the torch to be positioned flexibly before starting – two axes can be adjusted while travelling – suitable for torch necks up to 25 mm diameter

■ **Practical additional functions** such as auto start/stop, manually controllable end crater filling for power sources with 4-stroke control

■ **Open connection** to the wire feeder case, which can be individually adjusted

Getting started made easy with the complete package

ABI-CAR welding tractors.

The following components are included in the delivery unit:

- Driving carriage with control unit
- Power supply 220 V ~ /cable 24 V ~
- Cross support
- Steering cable set for MIG/MAG wire feeding cases for common start of tractor and current source (open wire end)
- Torch clamping (multi-axis adjustable)
- Complete radius oscillator unit with control (only with ABI-CAR 1200-O)

Welding tractors ABI-CAR

ABI-CAR 1200-O
Part-No.: 522.0070.1

ABI-CAR 1200
Part-No.: 522.0069.1

ABI-CAR 1000
Part-No.: 522.0068.1



Package with ABI-CAR.

The complete package of ABI-CAR consists of the following components:

- Welding tractor ABI-CAR
- Power source iROB & wire feeder incl. connection plug
- ABIMIG® welding torch



Welding tractor
ABI-CAR

Power source
iROB



ABIMIG®
welding torch

Starter package and more ...

Anyone who wants everything from a single source to get started with hard automation is optimally equipped with the complete package of ABI-CAR. ABI-CAR welding tractor, iROB power source and a selection of ABIMIG® welding torches form an ideal starting package for entry into mechanized welding.



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

