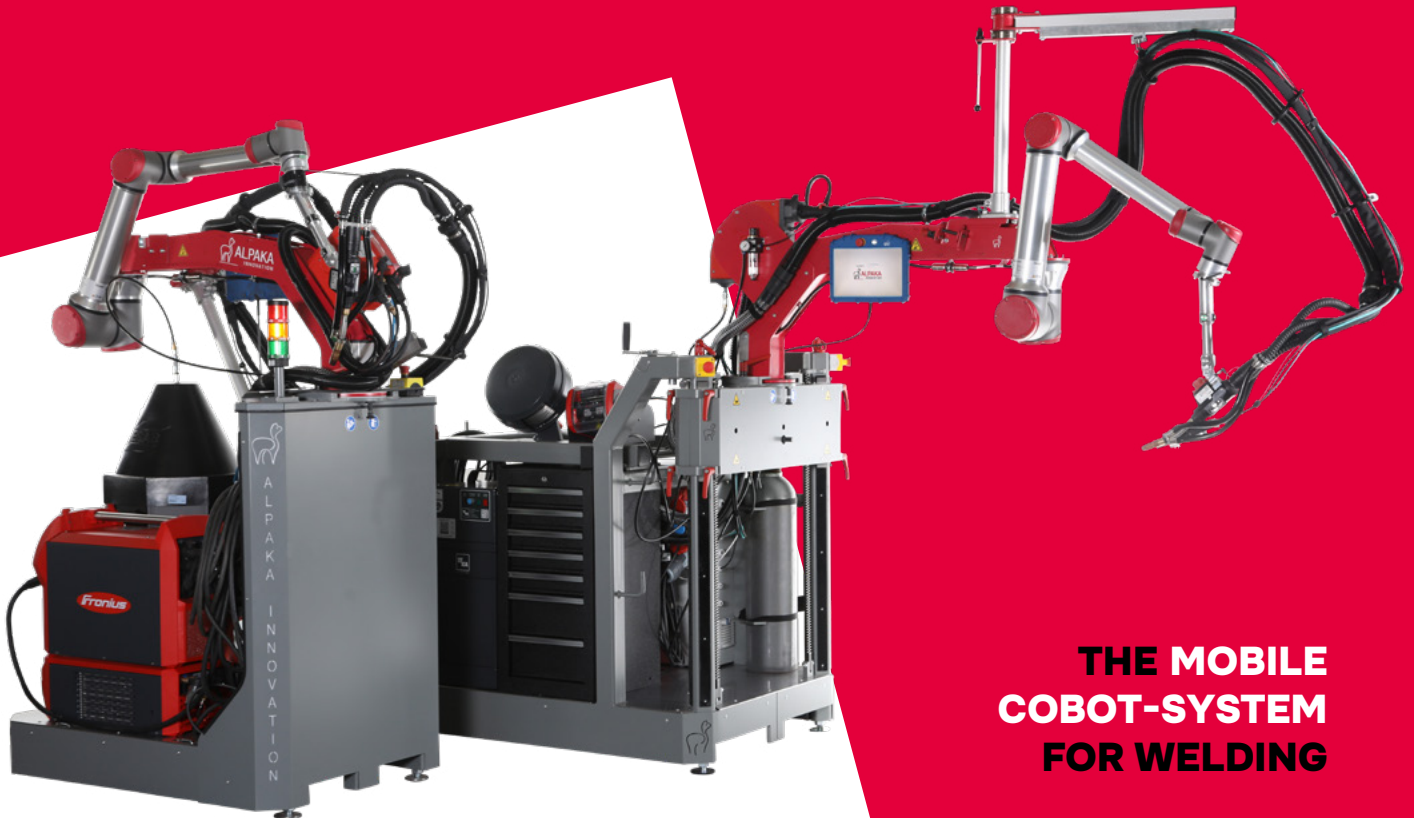


MOBILE PLUG & WELD SERIES



ALPAKA WELDING COBOT



**THE MOBILE
COBOT-SYSTEM
FOR WELDING**

MOBILE PLUG & WELD SERIES

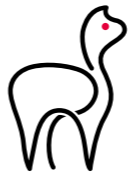
WELDING, AT THE
COMPONENT SITE.

The ALPAKA welding cobot Basic is a mobile, automated welding system mounted on a platform. It can be flexibly transported to any location using a pallet truck – connect, start, plug & weld.

Our self-developed hard- and software allows the welding system to be customized to your specific processes and, in the event of technical developments, to be modularly integrated into your current system at any time.



High Mobility
by easy transport



WELDING COBOT
BASIC



ALPAKA SimpliTeach
For fast programming
without any prior knowledge



Pre-programmed
weave beads
For common welding movements



Seam tracking
Via the arc or sensor technology

MOBILE PLUG & WELD SERIES

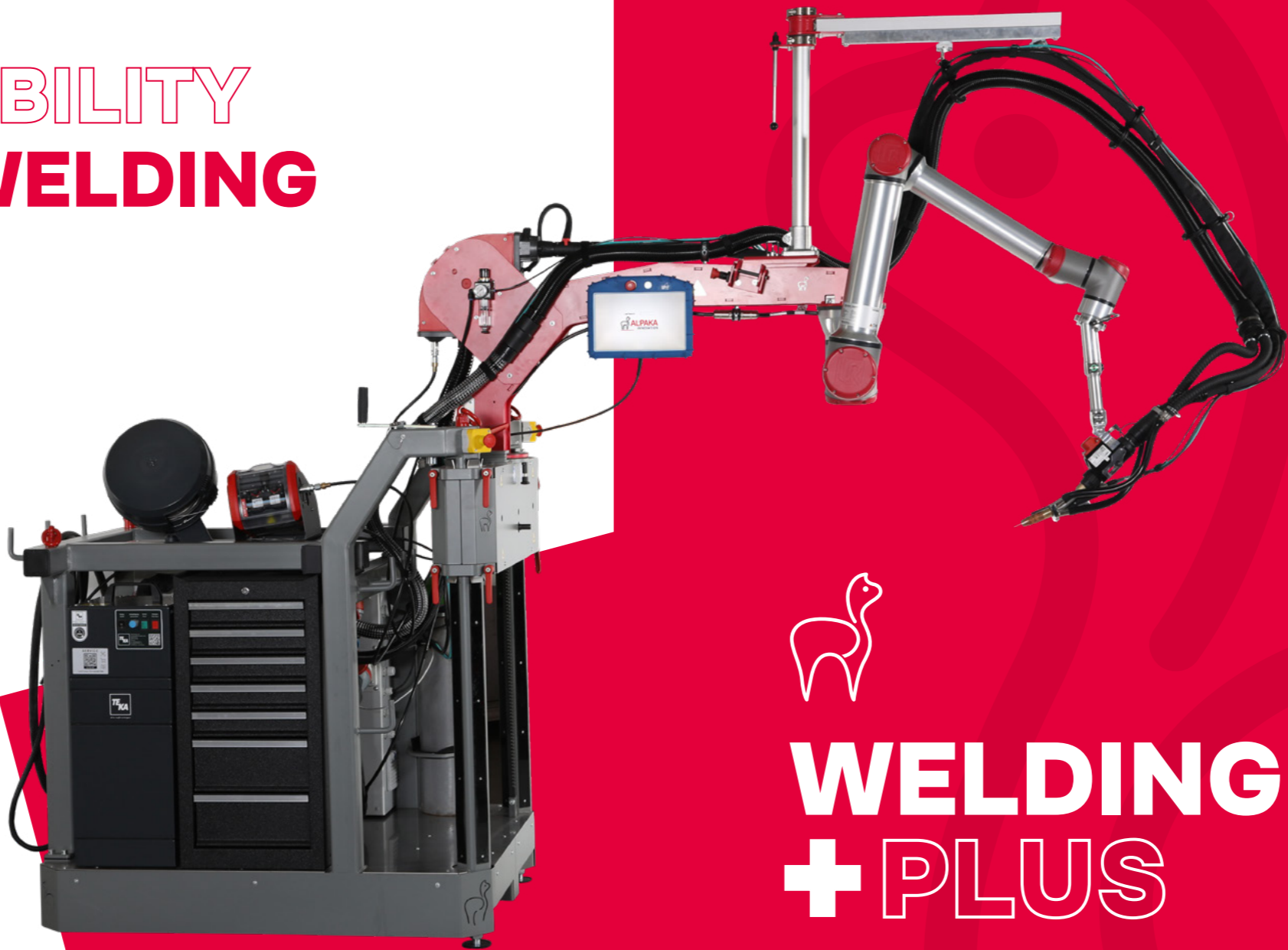
MORE FLEXIBILITY
FOR YOUR WELDING
TASKS.

If you need greater accessibility and even more flexibility when welding, the **Plus model of the ALPAKA welding cobot** is the right choice.

The workspace can be expanded by adjusting the height – ideal for large components. The Plus model is also mobile and can additionally be transported by crane. An integrated drawer cabinet for wear parts and tools also ensures that everything important is always within reach.



All functions
of the Basic model



WELDING COBOT
+ PLUS



Height adjustment
Expanded workspace thanks to
manual height adjustment



Individual work locations
Ideal for individual
production environments



Transport
By pallet truck or crane

MOBILITY

EVERYTHING ON BOARD
FOR MOBILE WELDING.



Welding Cobot
+Plus

1

Transport

by pallet truck to the component.
Plus model: transport by crane possible



2

Quick unfolding

Easy operation of
the cobot arm



3

Plug it in

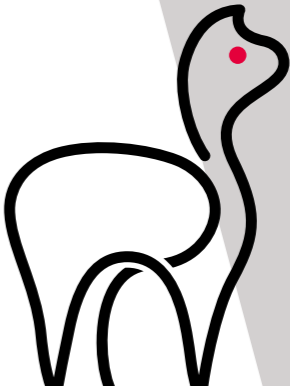
Plug & Weld – ready for
immediate use

The ALPAKA welding cobot is mounted on a transportable platform.

The ready-to-use system includes the cobot with SimpliTeach system, welding technology, fume extraction system and gas supply. With additional 230 volt sockets for further devices, everything is ready to go.

Want more
information?

Scan the QR code
and take a look

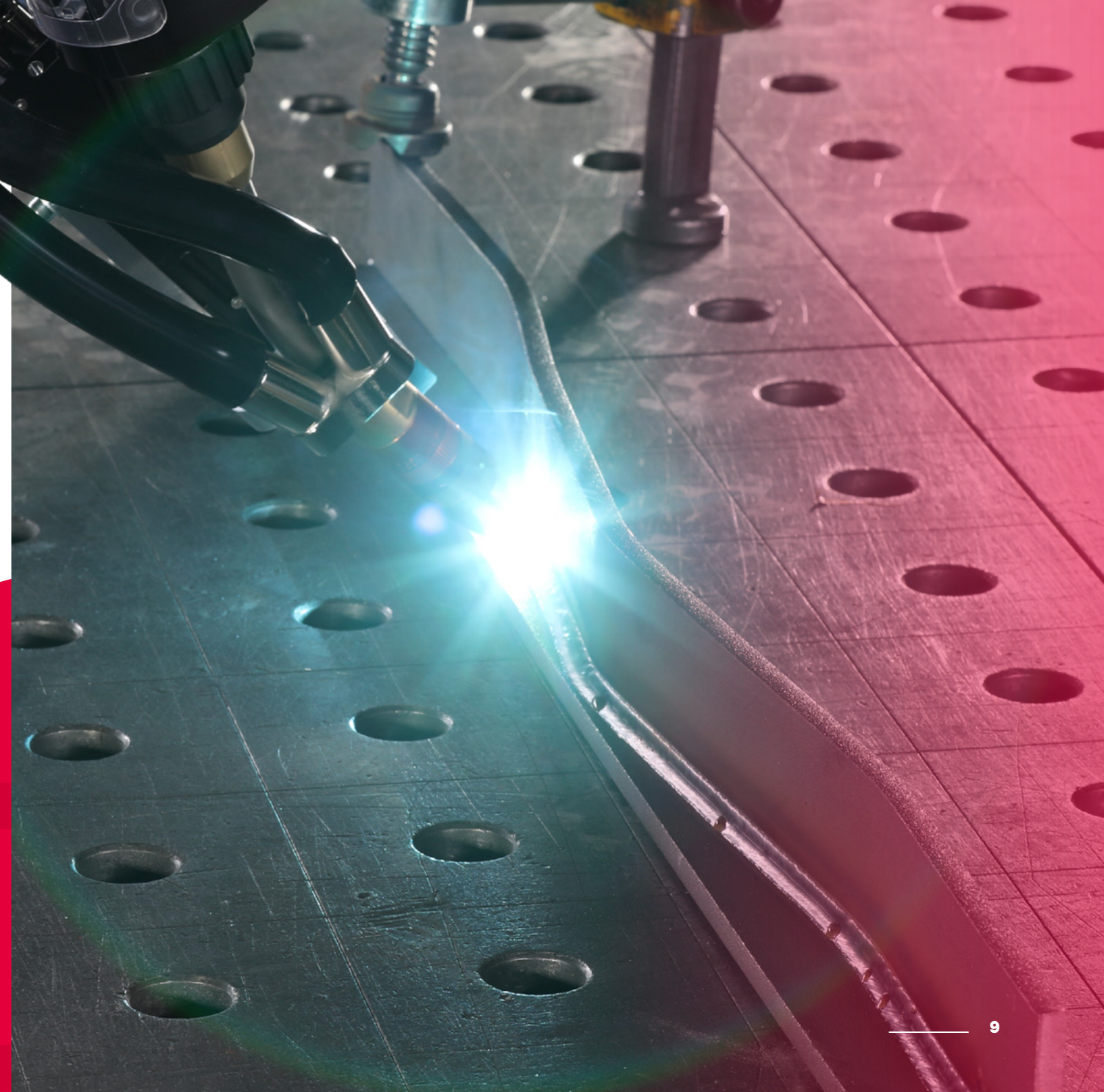


MADE IN GERMANY

WELDING WITH QUALITY.

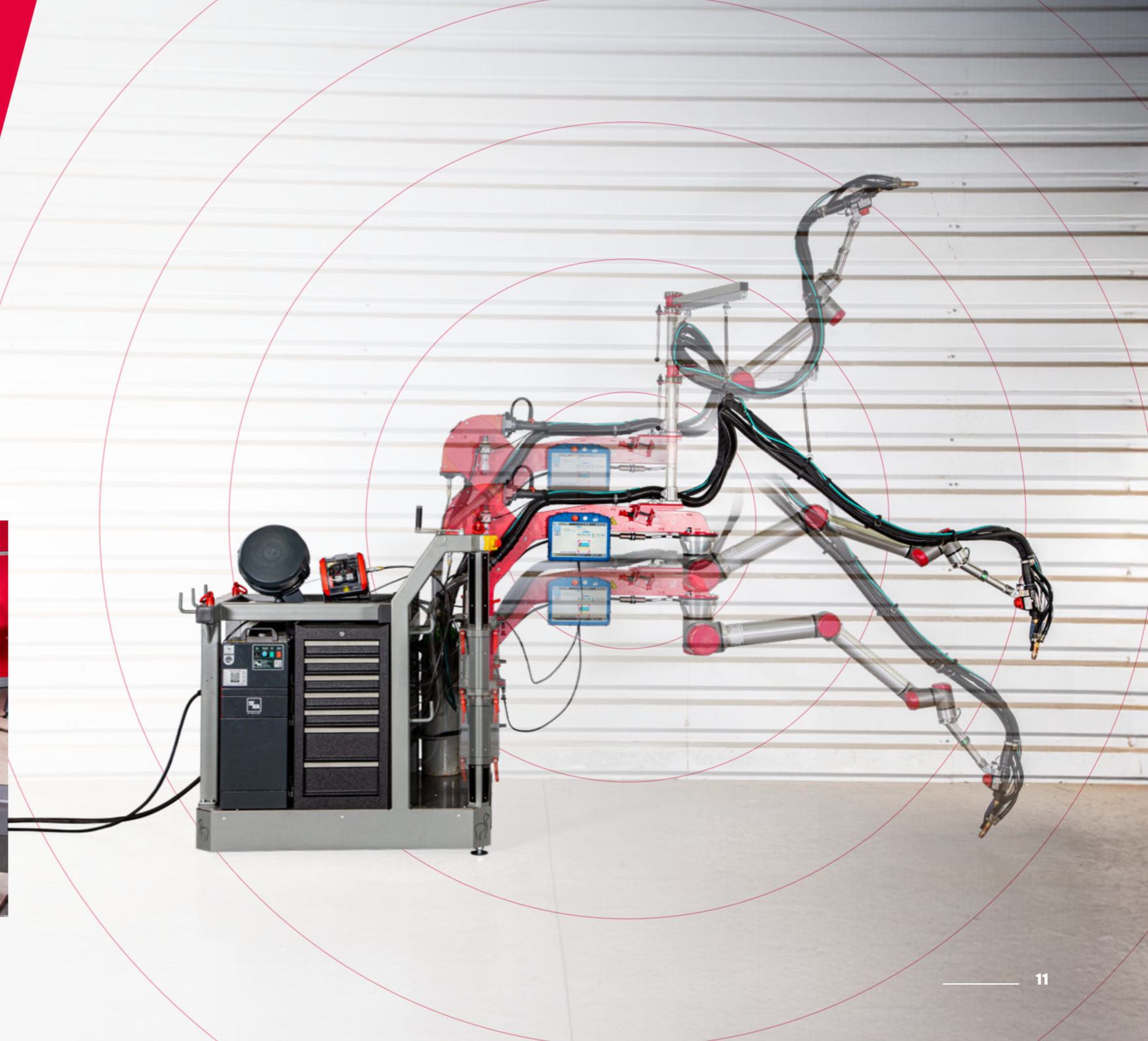
ALPAKA's mobile welding cobot stands for precision manufacturing – developed and produced in Germany. Each system bears the CE mark and meets the highest quality and safety standards.

Quality means more to us: our welding systems are developed by a dedicated team that is personally accessible and offers real solutions – direct, reliable and practical.



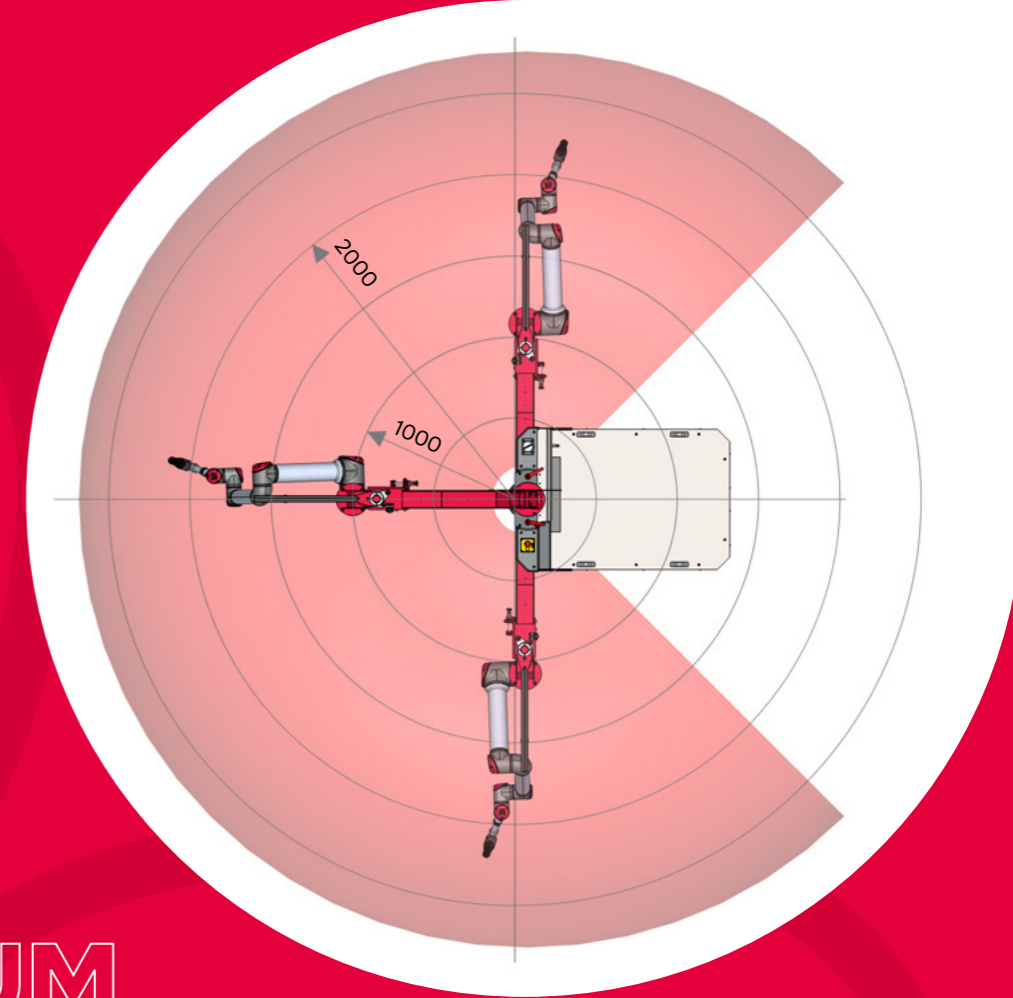
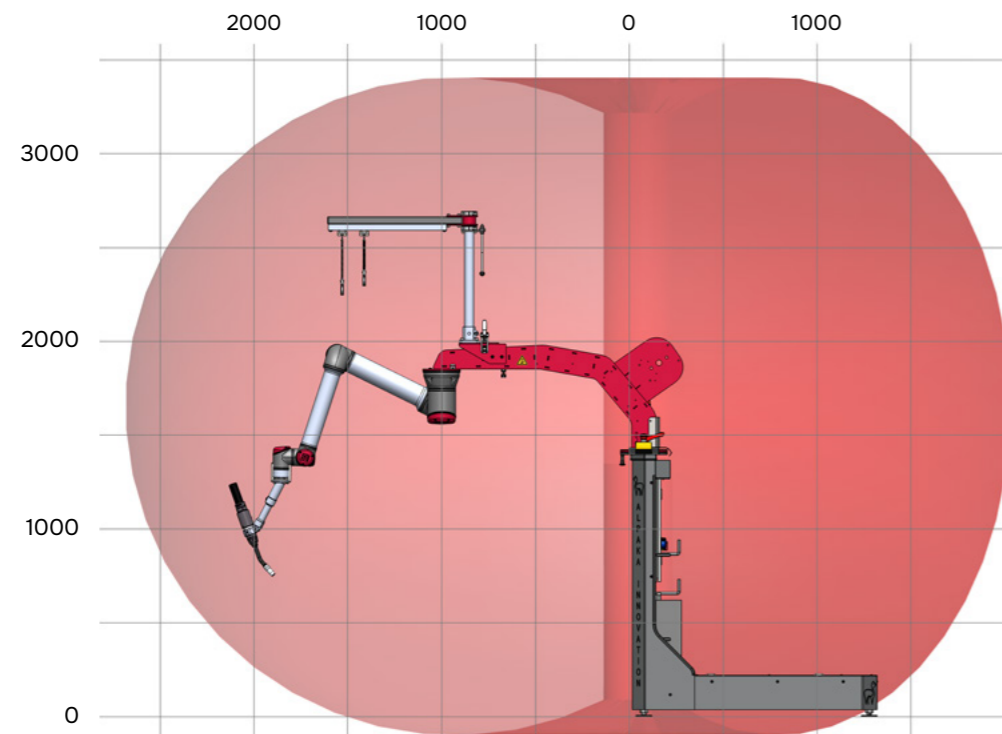
WORKING RANGE

360 DEGREES
FOR EVERY
WELDING TASK.



WORKSPACE

WELDING COBOT BASIC



MAXIMUM READINESS.

The mobile ALPAKA welding cobot BASIC offers maximum freedom of movement – even overhead.

This allows more weld seams to be produced in a single pass without having to retool the component or system. This saves time, increases added value and adapts flexibly to any welding task.

MORE WELDING DIMENSIONS.

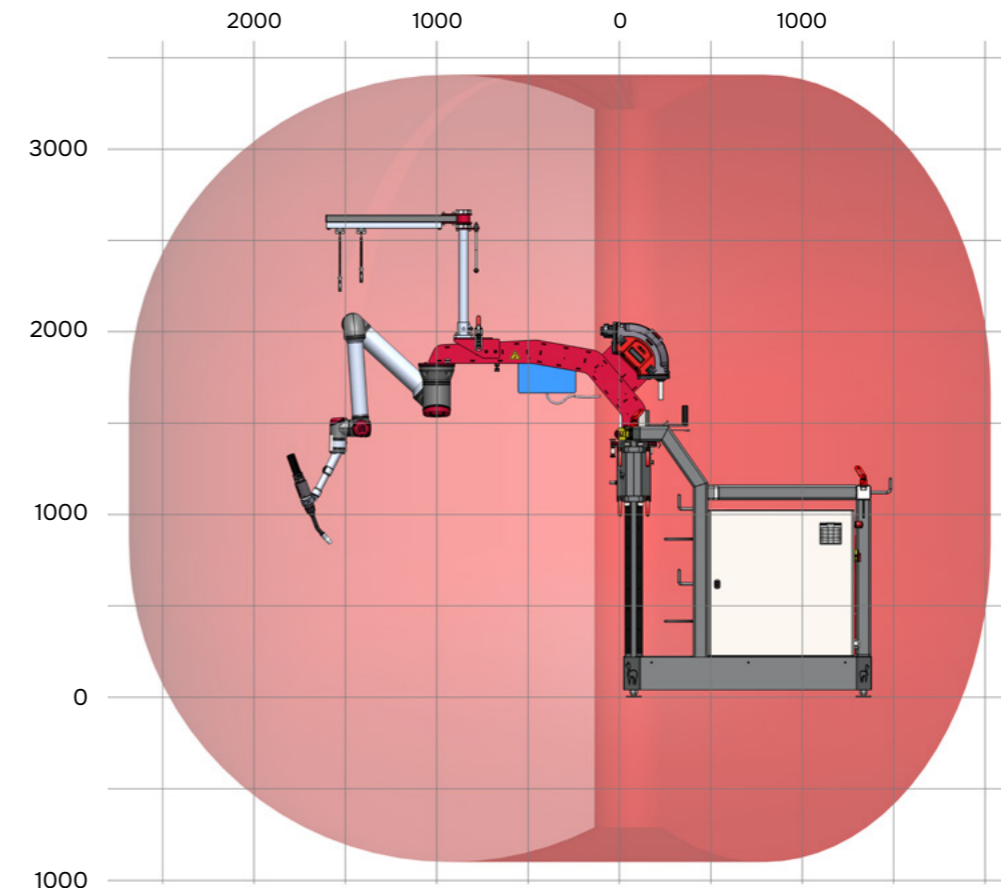


The Plus model of the mobile ALPAKA welding cobot expands the spherical workspace by an additional dimension: height.

Manual height adjustment allows the system to be flexibly adapted to different component heights – quick, easy and without tools. This creates an extended cylindrical workspace – for even greater reach, less retooling effort and higher productivity for a wide variety of welding tasks.

WORKSPACE

WELDING COBOT + PLUS





SIMPLITEACH: YOUR WELDING PROGRAMME AT THE PUSH OF A BUTTON.

SimpliTeach makes programming the ALPAKA welding cobot easier than ever – no prior knowledge, no entering coordinates on the teach panel and no experience with robots required.

Operation is carried out exclusively via three buttons directly on the handle. A colour LED menu guides you step by step through the process – intuitive, visually guided and perfect for everyday workshop use.



SIMPLITEACH

FAST & SMART
PROGRAMMING.

SimpliTeach combines ease of use with visual menu navigation and outstanding ergonomics to create a system that even untrained employees can use to weld at the touch of a button.

Starting point

Guide the welding arm by hand with minimal force to the starting point.



Waypoints

Define the starting point at the touch of a button and set as many waypoints as you like.



End point

Define the end of the weld seam at the touch of a button.



SIMPLITEACH REMOTE

PROGRAMMING BY REMOTE CONTROL.

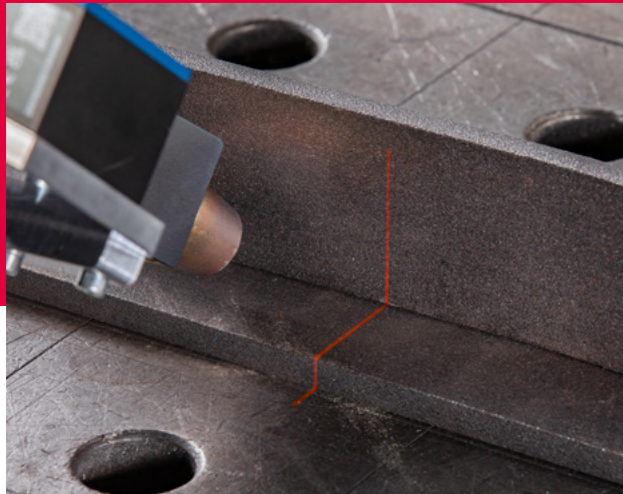
SimpliTeach Remote makes teaching the welding cobot even faster – and even more ergonomic. The wireless remote control in the form of a welding torch enables path programming without manual movement of the cobot.

The system is lightweight, robust and ideal for everyday use in the workshop. At the same time, SimpliTeach Remote opens up new possibilities: it reduces physical strain, speeds up workflows and creates opportunities for people with disabilities.



AUTOMATIC SEAM TRACKING SENSOR

PRECISION IN REAL TIME.



The **automatic seam tracking sensor** detects component changes in real time, dynamically adjusts the welding process and significantly reduces programming effort through automatic component recognition.

This ensures that the weld seam remains precise even with tolerances, processes are accelerated and process reliability is increased.

Your benefits at a glance:

- Real-time adjustment of the weld seam using intelligent sensor technology
- Automatic detection and compensation of component deviations
- Less programming effort & greater efficiency

REMOTE CONTROL

ON-PART CONTROL.



The **analogue remote control** is robust, glove-compatible and does not require a touch panel – ideal for everyday use in the workshop.

Welding speed, arc correction and power can be adjusted in real time and optimised on the fly.

Your benefits at a glance:

- Easy operation without a touchscreen
- Suitable for use with gloves and robust for workshop use
- Real-time adjustment of central welding parameters directly on the component
- Ideal for optimising welding parameters



WELDING CAN BE SO EASY

**STRONG INDUSTRIES.
STRONG CONNECTIONS.**



Commercial vehicles



Shipping industry



Rail vehicle construction



Steel construction



Crane construction



Railing construction



Agricultural machinery



Defense

WELDING

ACCORDING TO YOUR REQUIREMENTS.

Both the Basic and Plus models of our mobile welding cobot can be flexibly adapted to your production processes.

ALPAKA develops customised solutions in the fields of special machine construction, robotics, automation and software. We work with you to take welding to the next level – quickly, application-oriented and precisely tailored to your needs.

Your Benefits:

- Customisable models for your production
- High flexibility for special requirements
- Fast implementation thanks to in-house development



SUPPORT & SERVICE

CLOSE BY. EVEN AFTER THE PURCHASE.

ALPAKA provides reliable support from initial commissioning through to daily production. With digital e-learning courses, personal training and individual service, we ensure that your system remains operational at all times.

As a certified UR partner, we carry out maintenance and repairs on the entire system and offer plannable, flexible services tailored to your processes.

Services at a glance:

- E-learning and personal training courses
- Maintenance & servicing
- Fault analysis, repairs & spare parts supply
- Personal support & fast response times

Want more information?

Scan the QR code and take a look



ALPAKA INNOVATES

**GET IN TOUCH
WITH US TODAY!**



ALPAKA GmbH & Co. KG

Gerhardsweg 5
36100 Petersberg-Böckels
GERMANY
telephone: +49 661 9652-300
fax: +49 661 9652-301
email: info@alpaka-innovation.de

ALPAKA-INNOVATION.DE/EN

