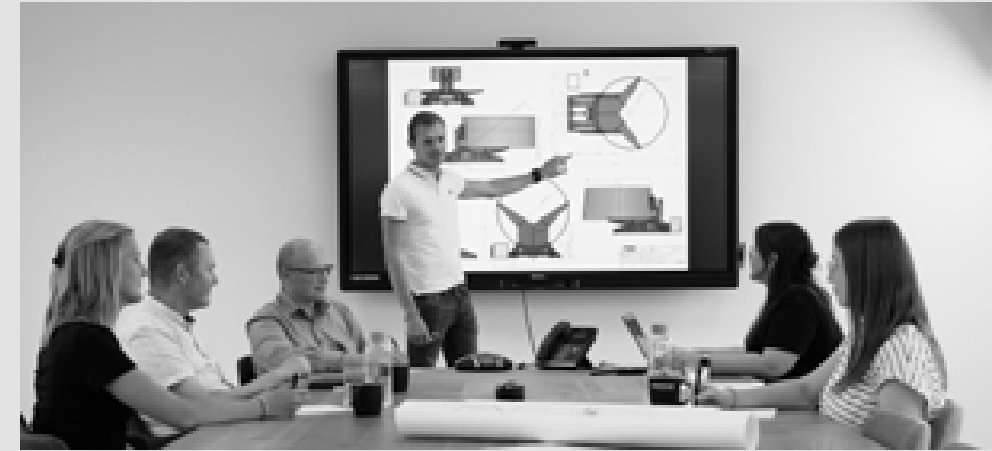


**HAANE®**

# EXCELLENCE IN XXL WELDING & HANDLING MACHINES.



## PRECISION THAT CONNECTS – TECHNOLOGY THAT LASTS.

At HAANE, we create high-precision machines and handling systems for automated welding of large-scale components – engineered to meet the unique challenges of each project.

From our facility in Weseke, Germany, we deliver solutions that set benchmarks in performance and reliability. Every system is Engineered and Made in Germany – crafted with care and built to last.

Behind our technology stands a highly skilled, motivated, and agile team – combining expertise with fresh thinking and a hands-on spirit. We don't just build machines – we build trust, through intelligent design and solutions that prove themselves day after day.

Let's shape the future of welding together – with precision, care, and confidence.

## YOUR HAANE-TEAM:

H. G. P. 3. G. K. A. P. E. P. P.  
J. K. P. R. K. P. J. K. P.  
H. G. P. J. K. P. S. G. P.  
A. S. G. P. J. K. P. R. K. P.  
L. P. R. K. P. R. K. P. R. K. P.  
D. P. R. K. P. R. K. P. R. K. P.

U. B. R. K. P. K. K. A. P. P.  
M. V. K. P. H. K. P.  
M. G. P. S. G. P. H. K. P.  
S. G. P. M. G. P. L. R. K. P.  
R. K. P. H. K. P. L. R. K. P.  
H. K. P. L. R. K. P. D. P.  
M. G. P. D. B. R. K. P. H. K. P.



**HAANE HEADQUARTER**

# START TO FINISH

## ONE SOURCE – ALL OPTIONS

At HAANE Welding Systems, we bring together engineering, design, manufacturing, automation, and commissioning – all in one place. This integrated setup allows us to develop tailored solutions efficiently and with full technical depth.

Our project teams are assembled individually for each task, combining the right expertise exactly where it's needed. This flexibility ensures short response times, fast decision-making, and a development process that adapts to your pace and priorities.

Fewer interfaces, direct communication, and full control over every step – that's how we turn complex ideas into working technology.



### ENGINEERING

From first concept to final detail – our engineering team turns complex requirements into intelligent designs. The result: tailor-made solutions that combine precision with practicality.



### ELECTRICAL INSTALLATION & ASSEMBLY

Electrical design, cabinet construction, and on-site installation – all carried out by our in-house experts. This ensures smooth integration, consistent quality, and maximum system reliability.



### SERVICE

We offer reliable support before, during, and after commissioning. Thanks to direct contact and fast response times, we keep your production running – securely and efficiently.



### PROJECT MANAGEMENT

Clear structures, close coordination, and full transparency. Our project teams manage every step with focus and flexibility – so that everything comes together when and where it should.



### IN-HOUSE SOFTWARE

According to the principle of “everything from one source” the control of our machines is developed in our company. This guarantees individuality with reliable and fast service.

# KNOWN FOR A REASON

WHAT WE'RE RECOGNIZED FOR

# HAFSLUND



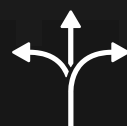
## HEAVY DUTY

Handling high material thickness and large scale workpieces



## TOUGHLY MADE

Robust design for demanding even rough conditions – onshore & offshore



## FLEXIBILITY

One solution – multiple applications, smartly designed



## SUSTAINABLE INVEST

Engineered for long-term value and uptime



## INNOVATION

Our drive: creating smart technologies that shape the future of welding



## AUTOMATION

Efficient workflows through intelligent automation



## SMART INTEGRATIONS

Smart design merges steps for seamless and efficient operation



## PERFORMANCE

Reliable output, even under high demands



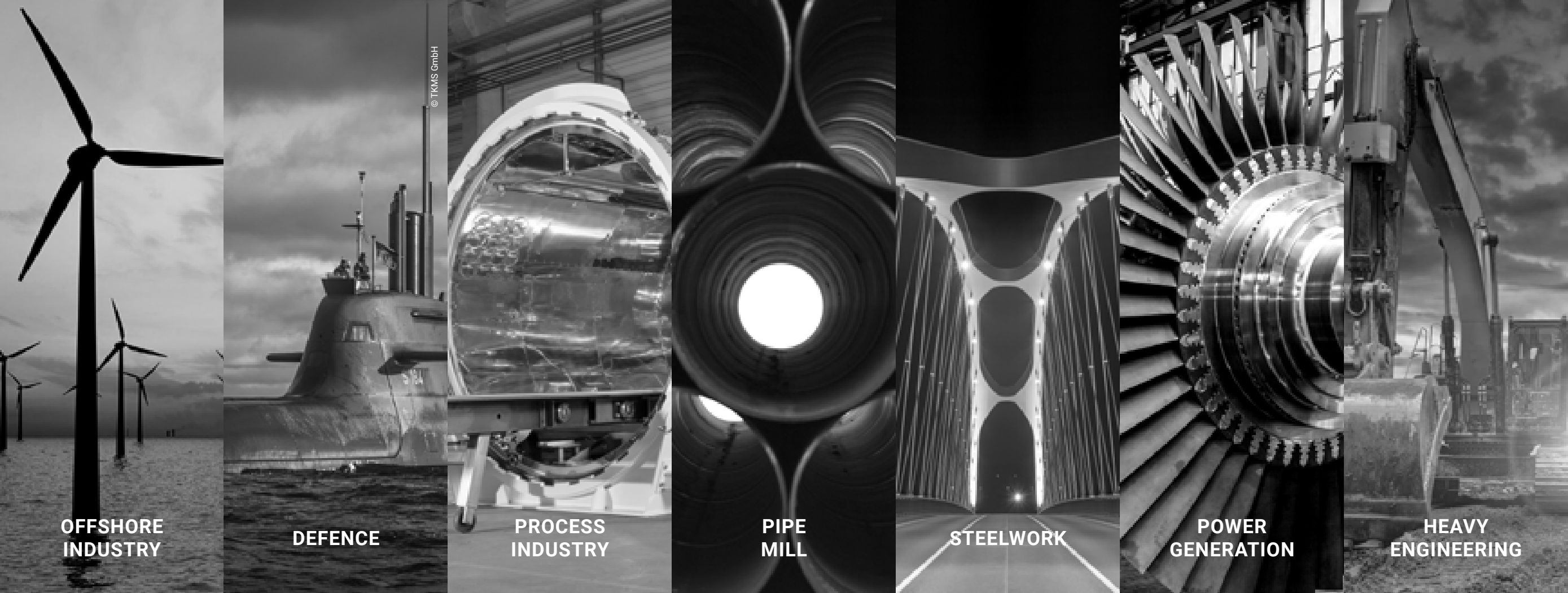
## RELIABILITY

Consistent performance, reliable partnership – every time



## CERTIFIED

Certified safety meets proven engineering.



# INDUSTRIES

HAANE welding systems delivers advanced welding and handling solutions for a wide range of industries – from pipeline and pressure vessel manufacturing to offshore wind, energy, and special-purpose vehicle engineering.

Our systems are built to meet the toughest standards across sectors. Broadly positioned, we take on every challenge with expertise and commitment.

## WHO WE WORK WITH

HAANE serves a diverse global customer base – from specialized manufacturers requiring custom-built machines to major industry leaders ordering complete factory layouts. Our clients operate across all sectors, including energy, infrastructure, and heavy industry.

Whether small-scale or large-scale, we support every project with the same commitment to quality and innovation. Many top-tier companies worldwide rely on HAANE as their trusted partner.

# WELDING SOLUTIONS

## WELDING TECHNOLOGY – IMPROVED FOR TOMORROW

At HAANE, we master the full range of arc welding technologies – from GMAW, GTAW and FCAW to tandem and laser hybrid processes. Every solution is precisely engineered to meet the demands of automated large-scale welding.

Our systems integrate advanced sensor technology and adaptive control to ensure consistent quality – even under changing conditions.

With decades of experience, we are your trusted partner for forward-looking welding solutions – with particular expertise in Submerged Arc Welding (SAW).



+ SAW

+ GMAW

+ GTAW

+ FCAW

+ Laser Hybrid

+ TIG

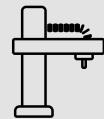
+ ESW

## VARIOUS MACHINERY – CHALLENGING EVERY TASK

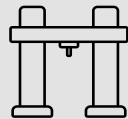
From compact solutions to XXL-scale systems – HAANE welding systems offers a broad range of machines designed to master even the most demanding welding tasks. Whether it's longitudinal or spiral pipe welding, (offshore) pipeline projects, cladding, laser applications, or heavy-duty part joining – we deliver precision and performance across all dimensions.

Our portfolio includes portal systems, column & boom setups, platforms, telescopic solutions, and plate welding stations – each engineered to match your process. Cutting solutions and robotic or hybrid configurations add even more flexibility to our modular range.

All welding systems are fully compatible with our in-house handling solutions and can be seamlessly integrated into your production environment – for maximum efficiency and control.



(Telescopic)  
Column & Boom



Welding Portal



Welding Platform

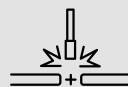
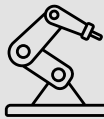


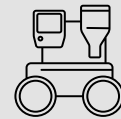
Plate Joining



Robot Supported  
Welding



Laser Welding



Welding Tractor



Line & Spiral  
Pipe Mills



(Offshore)  
Pipeline Welding



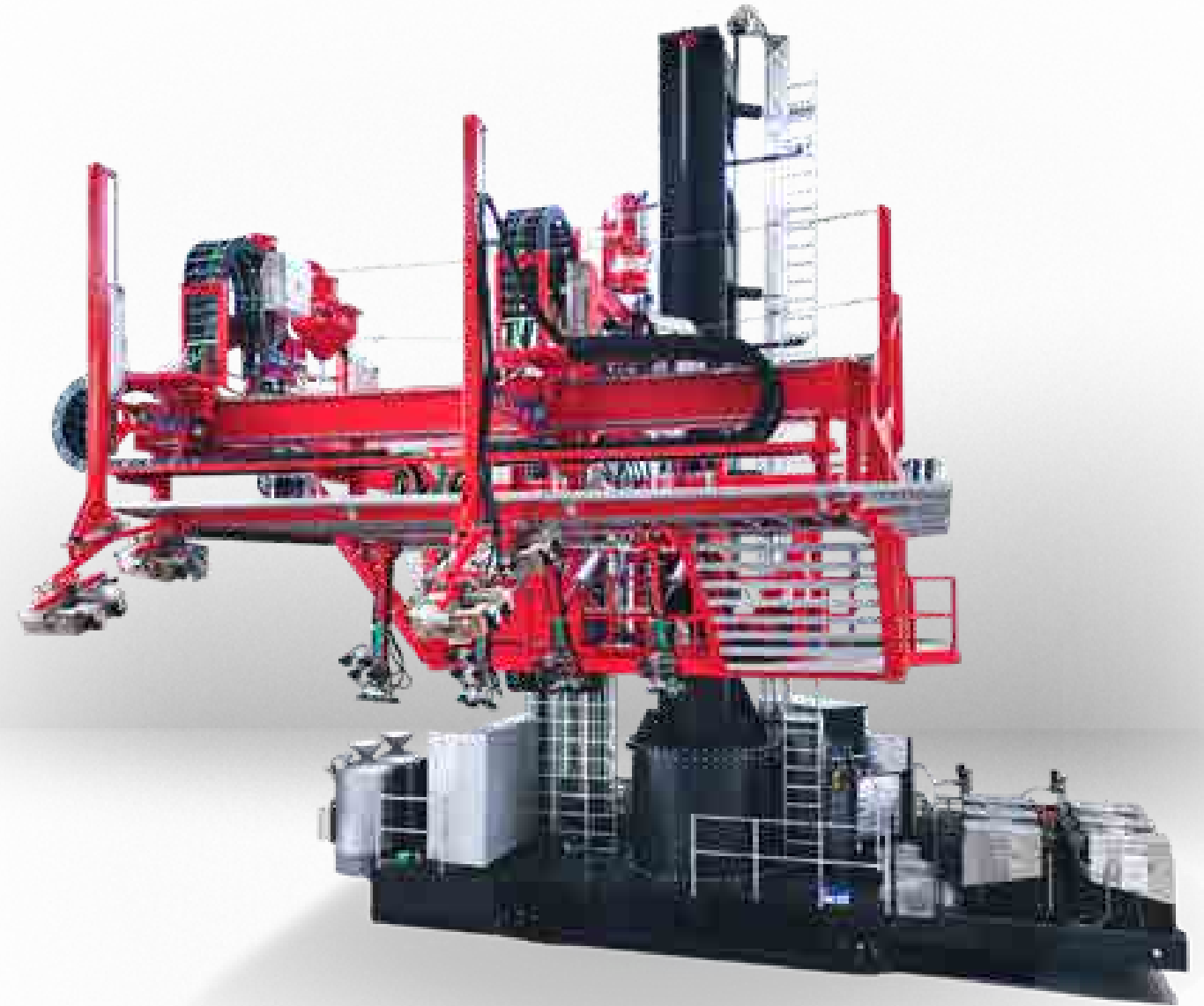
Dual Welding  
Technologies



Cutting Solutions

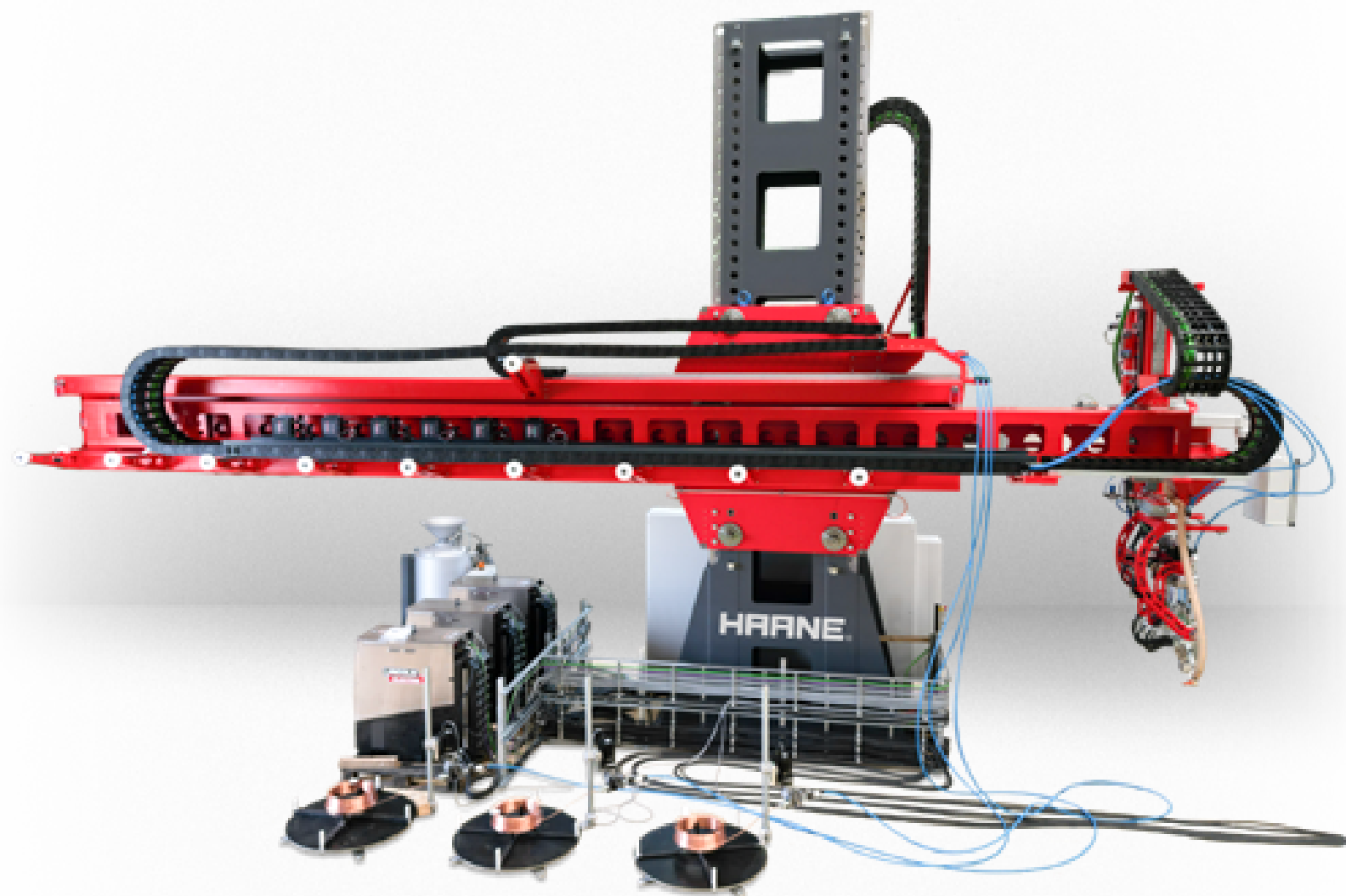


Cladding



**Picture:** Welding Platform with double Welding Head for producing Monopiles up to 13 m diameter.





**Picture:** Telescopic Welding Boom for welding inside of pipes – Used for Monopile and Submarine production with optional double welding head.



## HOW WE WORK FROM CONCEPT TO COMMISSIONING – AND BEYOND.

Every HAANE project begins with your requirements: whether a detailed layout or a specification sheet. Based on this, we develop a customized concept – starting from a blank sheet or building on our proven modular systems. The result is a solution precisely tailored to your production needs.

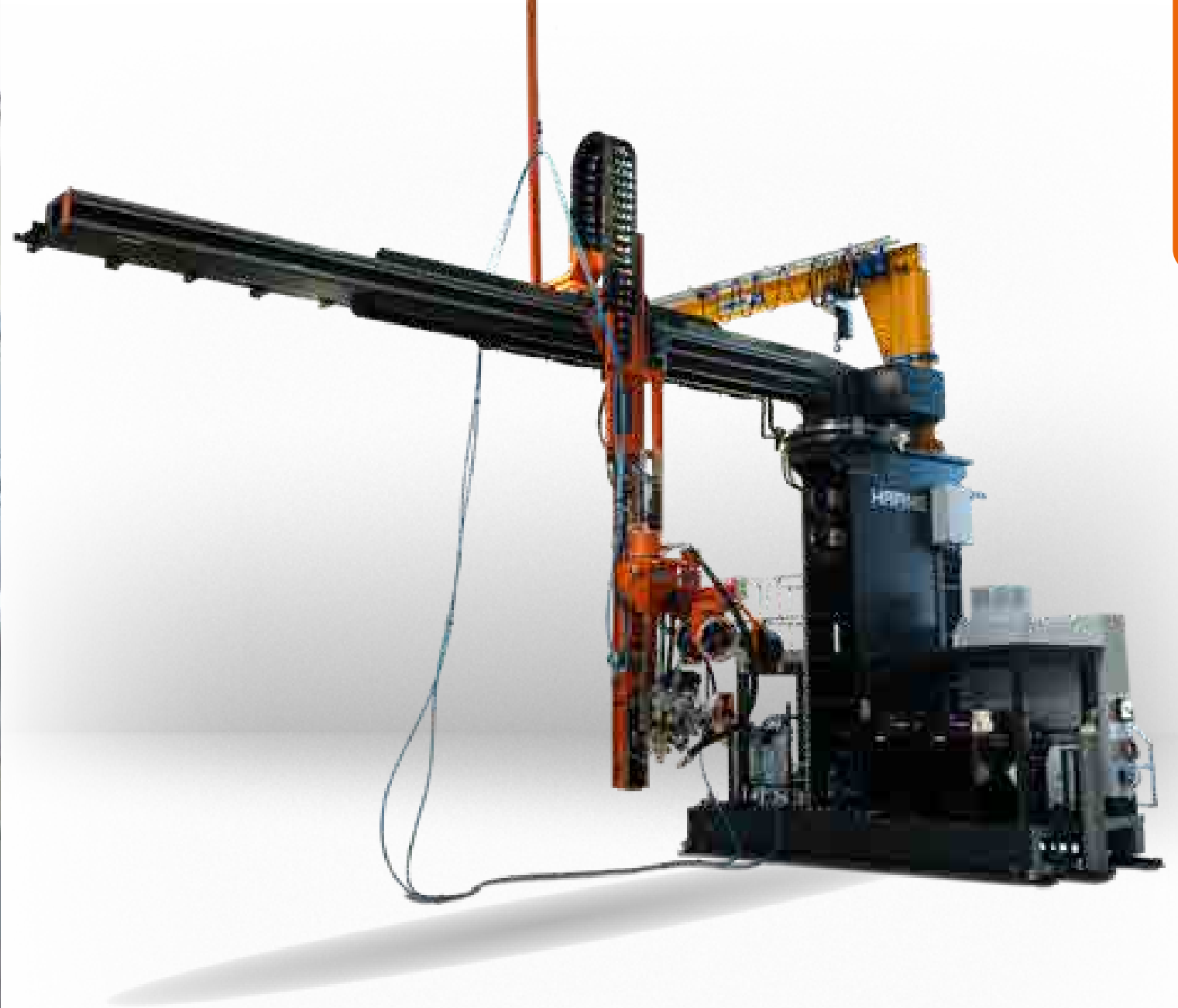
All systems are manufactured and fully assembled at our headquarters in Weseke. There, you'll carry out the factory acceptance test (FAT) under

real conditions – with our team by your side. After disassembly and coordinated logistics, we install and commission the system at your site anywhere in the world – followed by the final acceptance.

But our partnership doesn't end there. With a strong service team, digital support tools, and retrofit capabilities, HAANE stays by your side to ensure long-term performance and reliability. That's how we define a truly worry-free solution.



**Picture:** Welding Portal for welding precisely large diameter.  
Fully integrated inductive preheating simplifies the production process.



**Picture:** Mobile combination system for welding longitudinal and joint seams.  
The boom can be rotated by 90° and the system can switch between SAW and MAG technology.

## OFFSHORE CAPABILITIES: BUILT FOR EXTREMES

Engineering offshore structures means working in one of the most demanding environments in industry. Harsh weather, heavy loads, and tight tolerances push both equipment and personnel to their limits. We design welding and handling systems that meet these conditions, ensuring operations remain precise, reliable, and safe.

### Monopile Production

Producing monopiles for offshore wind involves handling massive steel sections with thick walls while maintaining strict tolerances. Our systems combine preheating, adaptive welding, and synchronized handling to manage these challenges efficiently, enabling consistent quality and high deposition rates even under demanding production schedules.

### Pipeline Installation Vessels

Laying pipelines at sea requires coping with constant vessel movement, waves, and long distances, all while keeping alignment and weld quality uncompromised. Our solutions provide precise welding and robust clamping, supported by advanced Double Jointing technologies for continuous installation. All operations are carried out by personnel fully trained and certified for offshore work, ensuring safety and efficiency even in the harshest conditions.







**PIPE MILL SOLUTIONS:  
FLEXIBLE CONCEPTS FOR  
DURABLE PERFORMANCE**

HAANE offers complete solutions for spiral pipe mills that can be adapted to different production environments. Our systems are available both as stationary installations and as mobile units on a container basis, providing flexibility wherever pipe production is needed.

Each pipe mill layout is tailored to the specific requirements of our customers – from available space to individual process preferences. We rely on robust components that are generously dimensioned, ensuring long service life and reliable operation even under demanding conditions. By combining these design principles with precise welding and handling technology, our pipe mills deliver consistent quality and high efficiency.

In addition to spiral pipe mills, HAANE also supplies solutions for Longitudinally welded line pipes (LSAW), Double Jointing and internal welding for pipelines. This makes HAANE a strong partner for customers looking for practical, long-lasting and customized production solutions.



**+ SAWL    + HSAW**

**+ Double Jointing**

**+ Internal Pipeline Welding**



Spiral pipe mill with an adjustable diameter range from 20" (508 mm) to 120" (3,048 mm), ensuring flexible pipe production.

**HAANE PIPE MILL SOLUTIONS**



high forming force for  
precise positioning



durable robust guide  
construction



mobile on  
container basis



**PRECISION WORK  
– ANYWHERE IT  
IS NEEDED**

At HAANE, compact project teams of highly qualified specialists ensure precise execution from planning to commissioning. Occupational safety is our top priority – for our people and your projects. With certified training and extensive field experience, our teams are ready for operations onshore, offshore, and even in the air. Wherever your system goes, HAANE goes with it – safely and reliably.

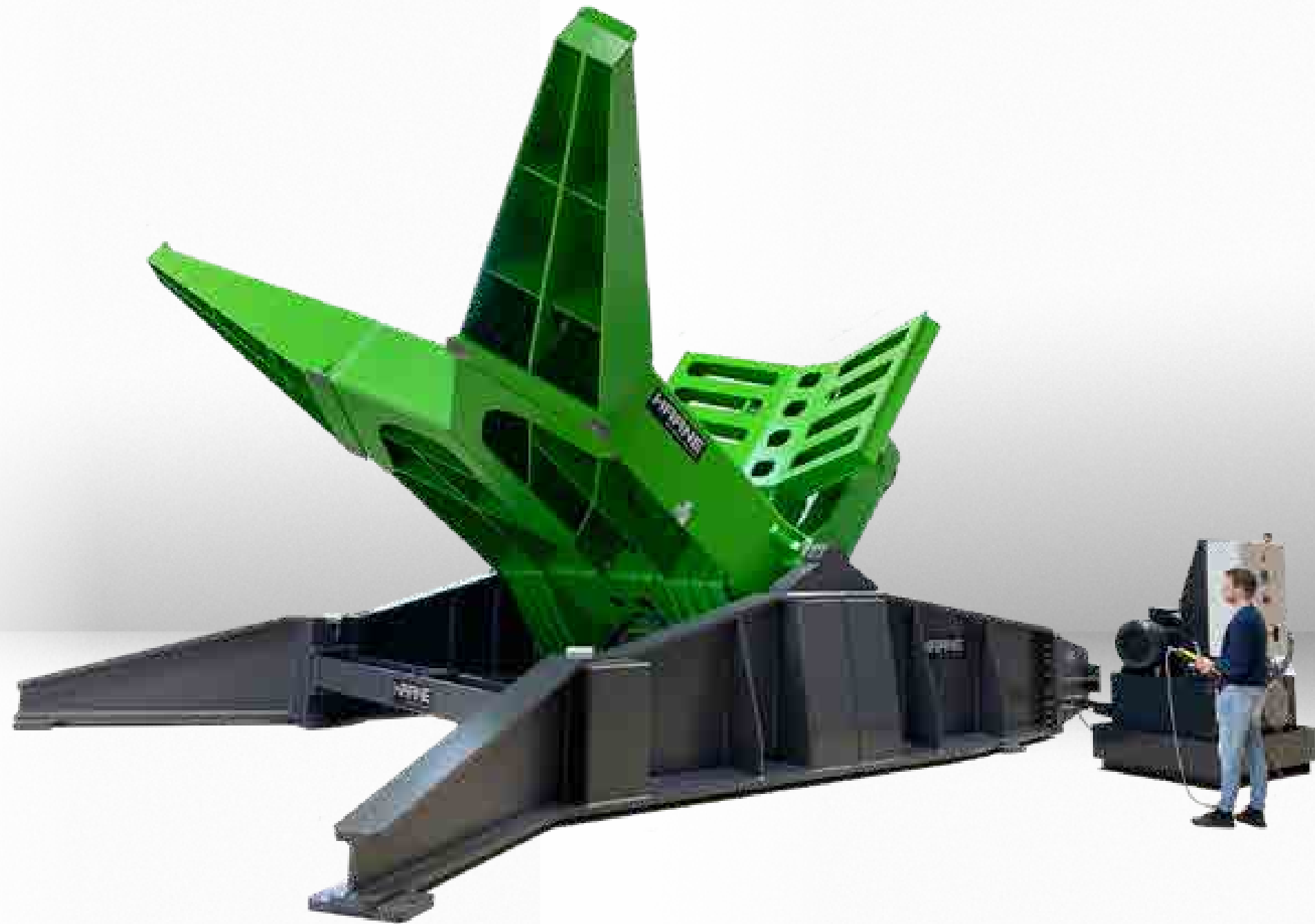
# HANDLING SOLUTIONS

## HANDLING SYSTEMS – SMART MOVES FOR HEAVY PARTS

At HAANE, we develop robust handling systems designed to move and position heavy components with maximum precision and safety. From turning, lifting, and tilting to synchronised rotation – our technology ensures optimal conditions for every welding process.

Hydraulic monitoring and smart sensor integration increase safety and control. Our systems are engineered for seamless integration into automated production lines – fully compatible with HAANE welding solutions.

Whether roller beds, turning tables, tilting tables, or positioners – we offer a wide range of modular systems tailored to your production needs. Built to perform. Designed to last.



**Picture:** Tilting Table to handle conical and cylindrical work pieces.  
Tilting 150t from 90° to 0° in about a minute.

**EFFICIENT WORKFLOWS  
START WITH  
RELIABLE HANDLING**

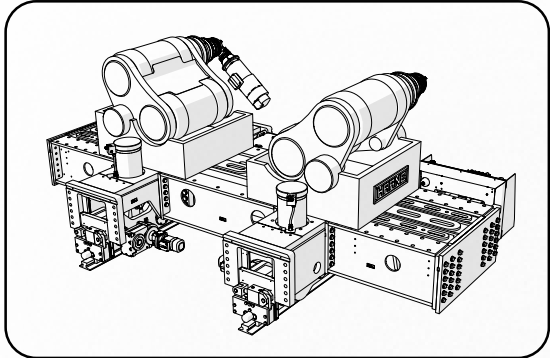
At HAANE, handling systems are more than support equipment – they’re key drivers of productivity. Designed for high loads and built to last, our robust systems ensure safe and precise workpiece positioning throughout the entire production process.

With intelligent control integration, hydraulic system monitoring, and user-friendly operation, downtime is reduced, setup becomes faster, and process stability increases. Whether rotating, tilting, lifting, or guiding – each movement is engineered for accuracy and efficiency.

Our portfolio spans rollerbeds, turning and tilting tables, and custom positioners – seamlessly integrated into your line and built to meet the real demands of automated welding environments.



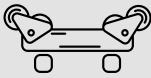
Built to meet military standards – with proven expertise in classified projects. Developed for the German Bundeswehr, our rollover simulator enables realistic emergency training in armored vehicles.



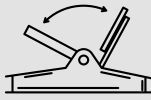
We also offer other system configurations like Drive Units, Idler Units or 2-, 4-, and 6-Arm Rollerbeds.



**Picture:** Fit-Up Rollerbed for carrying and adjusting up to 300t each. We offer even turnkey fully integrated Rollerbed lines in multiple configurations. These Rollerbeds can carry up to 1.000t each.



Rollerbeds



Tilting Tables



Positioners



Turning Table



HARNE

**Picture:** Heavy Duty Positioner for special-purpose vehicle engineering – Handling of up to 80t workpieces



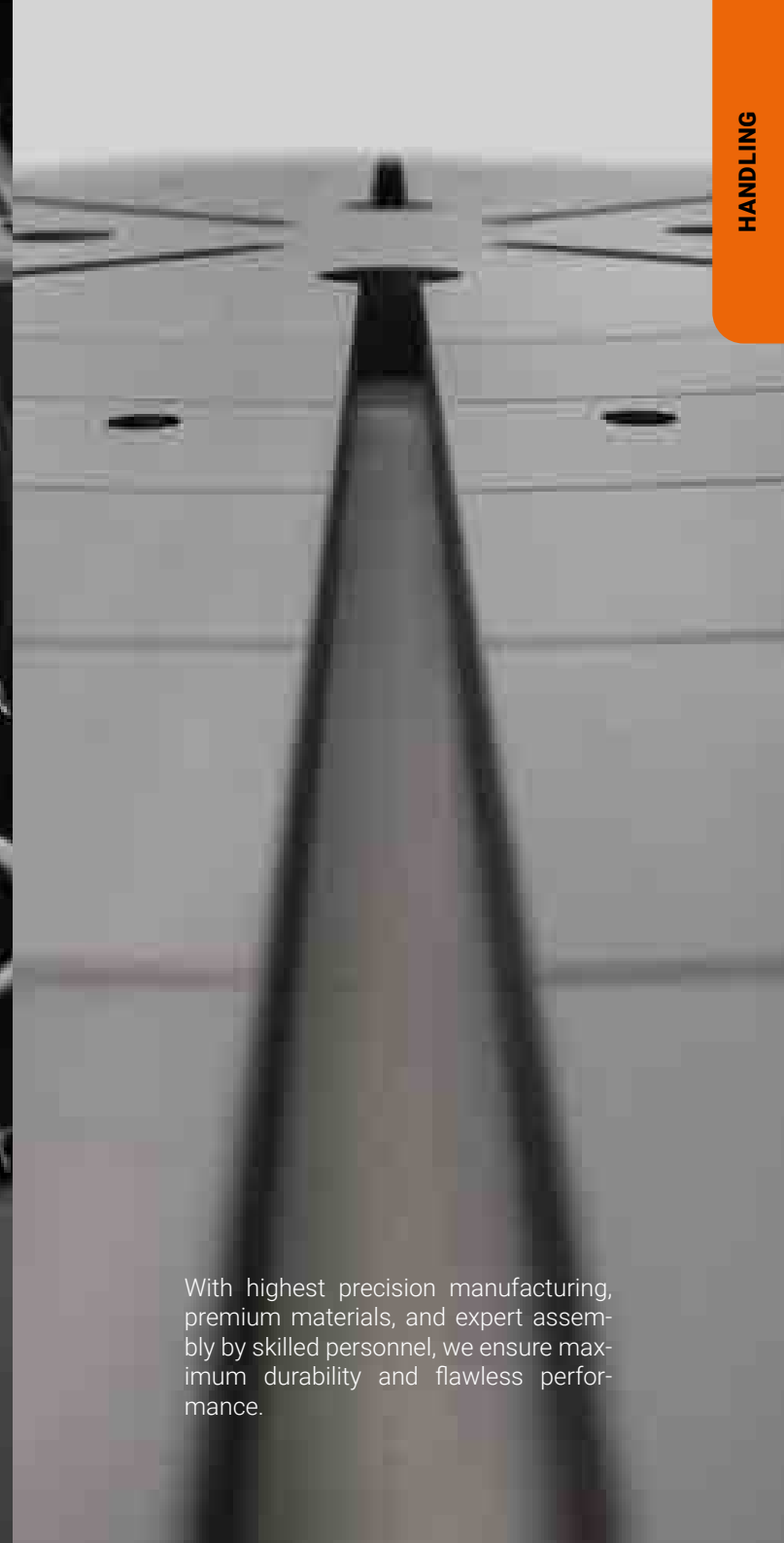
**LOW-PROFILE TURNTABLES  
FOR ACCURATE WELDING  
AND HANDLING**



**Picture:** Low Profile Turning Table for 50t load capacity – optimized for tough conditions in an abrasive welding booth



HAANE's modular components ensure robust stability with flexible expansion and tailored customization. Retrofits are our specialty, upgrading your systems to meet evolving demands.



With highest precision manufacturing, premium materials, and expert assembly by skilled personnel, we ensure maximum durability and flawless performance.

# SOFTWARE SOLUTIONS

## SOFTWARE ENGINEERED FOR SEAMLESS OPERATION

At HAANE, we develop intelligent control software in-house – tailored to the specific needs of automated heavy-duty welding and handling systems. Our solutions centralize the entire production line into one intuitive interface, ensuring maximum user-friendliness and streamlined operation.

Automated process steps, such as our Adaptive Welding technology, allow operators to focus on what truly matters – maintaining the highest standards of quality and efficiency. Online maintenance and training services minimize downtime and keep your production running smoothly. Smart. Scalable. Engineered by HAANE.

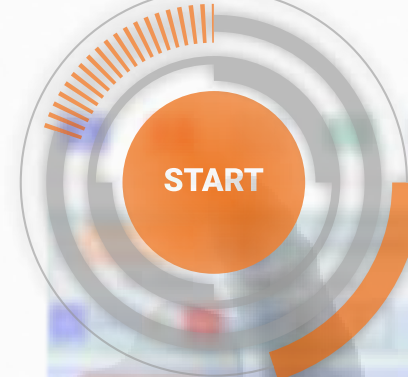


# ENTERING FUTURE PRODUCTION WITH ADAPTIVE WELDING

## ONE BUTTON – START YOUR PRODUCTION

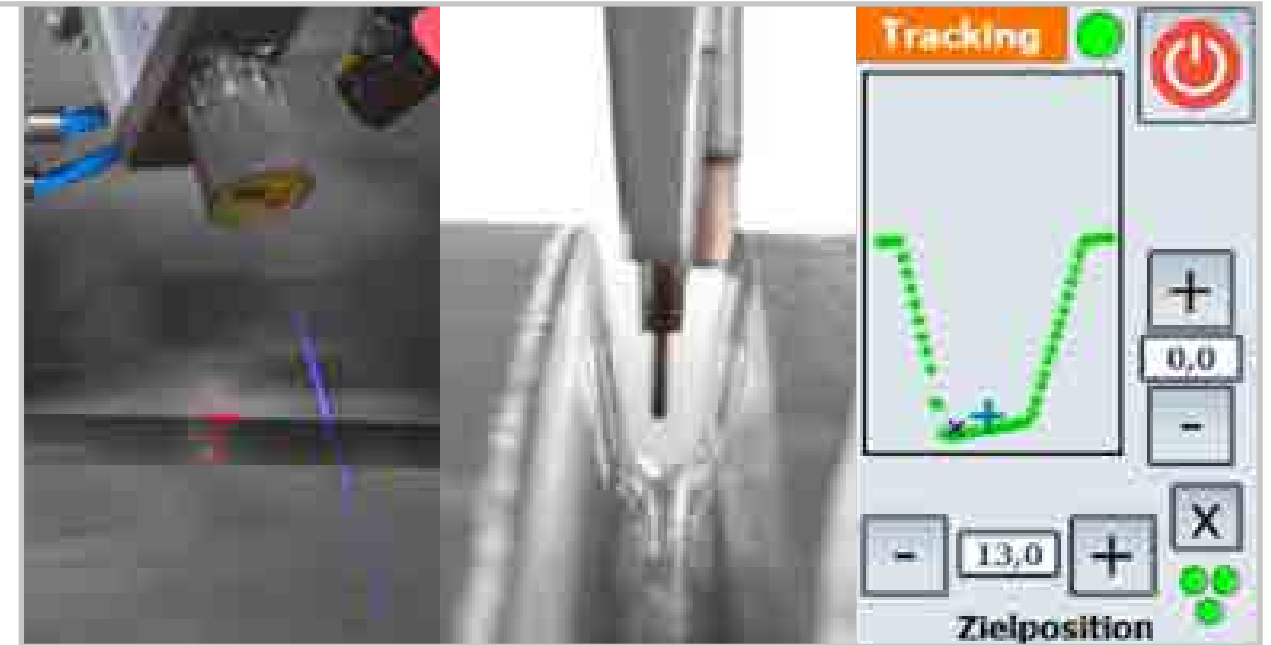
With skilled welders becoming increasingly scarce and production demands rising due to stricter quality standards and tighter deadlines, HAANE is driving towards one-click production.

Adaptive welding marks a key milestone on this path: smart sensors and software continuously monitor the welding process and adjust parameters in real time. Today, this already automates a large part of the process, significantly easing personnel requirements while ensuring faster, safer, and more reliable results.



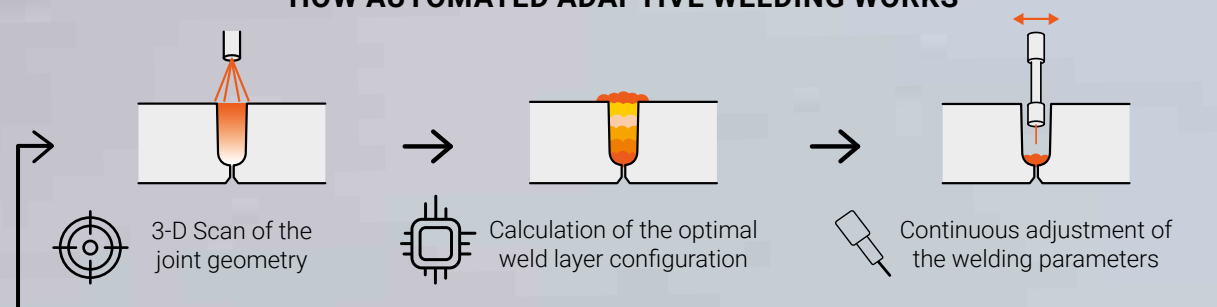
ADAPTIVE WELDING SYSTEM

SOFTWARE



**Picture:** Photographed directly at the welding head of the system (shown in the adjacent image), the visible **purple 3D-laser captures the joint's geometry** for calculating the weld layer configuration.

### SCANNING, CALCULATING, WELDING – REPEAT: HOW AUTOMATED ADAPTIVE WELDING WORKS



Ongoing repetition of the process for continuous parameter adjustment

### REASONS FOR USING ADAPTIVE WELDING



**Consistent Quality**  
Reliable welds despite material or production tolerances.



**Higher Productivity**  
Faster processes with fewer interruptions.



**No Rework Needed**  
Optimized layer build ensures full groove fill despite tolerances.



**Skilled Workforce Independence**  
Technology compensates for the welder shortage.

# SERVICE

## DESIGNED FOR RELIABILITY – SUPPORTED FOR A LIFETIME

At HAANE, service is part of the concept from the very beginning. Our machines are designed with durability and accessibility in mind, making them easy to operate and requiring only minimal maintenance. Well-structured maintenance programs with carefully planned intervals ensure reliable performance, reduced operating costs and long service life. This preventive approach helps our customers achieve maximum availability with minimal effort.

And should assistance ever be required, our service team is ready to respond quickly – with direct contacts, fast spare parts supply and practical solutions. In this way, HAANE combines thoughtful engineering with reliable support and strong partnership, creating lasting value and confidence for our customers.



### DIGITAL SERVICES



HAANE expands its service offering with intelligent digital solutions. Online diagnostics allow fast troubleshooting and save valuable time. With flexible online training, knowledge is always accessible and up to date. The HAANE Machine Hub provides a central, cloud-based platform for managing digital machine files, giving customers simple and secure access to all relevant documents whenever needed.

### RETROFIT & MODULAR DESIGN



Our machines are built to grow with changing requirements. Thanks to their modular design, they can be upgraded or retrofitted at any time, ensuring long-term competitiveness and a secure investment for our partners.

### RAPID RESPONSE – ANYWHERE

Our service technicians travel worldwide and know the machines inside out. They provide fast, practical solutions on site for any issue or requirement. Every effort is made to keep downtime as short as possible.



**GREAT TECHNOLOGY  
STARTS WITH A GOOD  
CONVERSATION.**

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**HAANE.DE**