MADE IN GERMAN

LORCH smart welding

## MAKE YOUR TEAM STRONGER.

The new Lorch Cobot Welding World for customised complete solutions.

www.lorch.eu

## **Cobot welding:** the lever for medium-sized businesses.

The best Cobot welding solution from the market leader. Secure investments and effective.

Cobot welding means collaborative robot welding for medium-sized businesses – a system made for the automation of small to medium batch sizes. This form of welding automation leaves the welder in control of the system while the cobot performs the instructions perfectly and precisely. They work hand in hand together. This makes their workplace more attractive, relieves the welder, and increases productivity and quality in the company.

Compared to other automation solutions, your investment costs will remain much lower in comparison to the much less flexible world of industrial robot welding.

#### THE ANSWER TO ...

Lack of specialists in the welding industry

**Cost pressure** from international competition

**Technology gaps** due to uncertain and high investment costs

For further information, see www.lorch.eu/en/cobot-welding





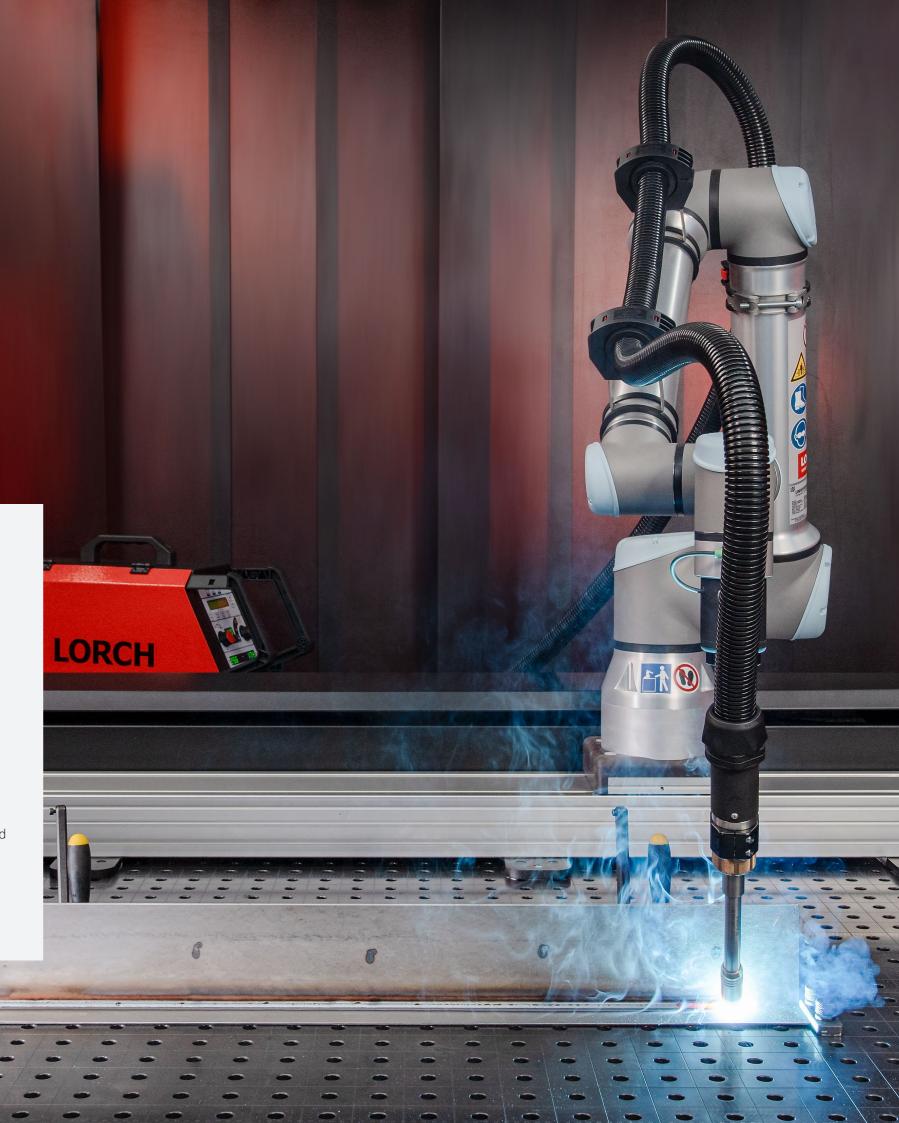
## Top welding technology and maximum service.

A world for winners: Everything is interlocking – leading to top performance.

The Lorch Cobot Welding World allows a simple entrance into welding automation for medium-sized companies. Our myCobot system kit offers customised complete solutions that will integrate easily into your work processes. Smart software, perfect processes, and an international partner network make the difference for your production.

#### FIRST CLASS ADVICE AND SUPPORT







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## Selected references.

Cobot automation solutions.



"Programming the welding Cobot is fun and easy to understand. The robot welds very reliably. Both the time savings and workload reduction where repetitive, tiring welding tasks are concerned are enormous benefits for us." Simon Ludwig, welder, Hodapp GmbH



"The cobot has enormous potential. We have cut the production time in the manufacture of our important *turbine chassis in half.*" Frank Leutloff, steel construction department head at Rösler Oberflächentechnik GmbH.

"We achieve massive time savings of up to 40% thanks to the welding Cobot solution with turn-tilt table. We also relieve our welders of particularly long, exhausting welding work." Alexander Hörzenberger, head of steel constructions, Habau Group

"The SmartCopy function is extremely helpful. It allows us to transfer programmed welding processes to parts of the same build in the work area, thereby clearly improving welding performace once again." Nils Tippe, welding specialist and metal construction master, Jorado Maschinenbau GmbH







## Profitable stories on successfully implemented

## Now new: Flexibly put together all components.

#### New tactic for more space.

With its plug-and-weld claim, the new myCobot automation solution systematically creates just the customisation options that have been tried and tested by many customers and that ensure true benefits. A system kit that leaves the choice to you where it truly matters, while offering only economically useful options.

#### Quick amortisation, simple handling for your welder, and precisely tailored to your individual application!

myCobot promises the best automation solution for you - without any risk at all.



## The kit: myCobot

**NEW:** Customise automation solutions with Lorch now.

| Cobot UR10e - high                          | n-quality robot technolo  | gies from the Cobot ma  | arket leader Un       | versal Robots.  |  |  |  |  |
|---|---|---|-----------------------|---|--|--|--|--|
| Welding                                     | For full efficie  | G-MAG<br>ncy and high-quality<br>welds.   |                       | <b>TIG</b><br>For highly demanding and visually high-<br>quality weld seams at the highest speed.   |  |  |  |  |
| Power source                                | FullProcess   | <b>IIG XT series</b><br>s equipment with<br>ontrol technology.  | Fast-pu               | » Page<br>V-RoboTIG series<br>Fast-pulse technology Optionally with digitally<br>fully integrated cold wire feeder.   |  |  |  |  |
| Cobot torch                                 | With two-circuit  | orch system<br>: cooling for extended<br>illy as a push-pull versio   | n. Opt                | <b>LTR torch system</b><br>With hybrid cooling concept.<br>Optionally with robust cold wire guide.  |  |  |  |  |
| Control software                            |   | » Pa<br>Lorch Cobotronic<br>Unique software for greatest comfort and efficiency.  |                       |   |  |  |  |  |
| Quality<br>management                       | <b>Lorch Connect</b><br>Digital welding data recording for analysis and reliable optimisation of processes.   |   |                       |   |  |  |  |  |
|   |   |   |                       |   |  |  |  |  |
| Hardware                                    | The linear axis f<br>maximum flexibili<br>With constant   | <b>bot Move</b><br>for more workspace and<br>ity in the welding proces<br>welding quality across<br>tire workspace.   | ss. weldir            | » Page 18<br>Cobot Turn 100 A<br>turn-tilt table ensures the optimal<br>ng position. The precise positioning<br>h weld seam can be specified in the<br>programme process.   |  |  |  |  |
| Hardware<br>CE-compliant<br>safety concepts | The linear axis f<br>maximum flexibili<br>With constant<br>the ent<br><b>Collaborat</b><br>Safety opt<br>accessibility.<br>by internal<br>interactior | or more workspace and<br>ity in the welding proces<br>welding quality across  | ss. weldir<br>for eac | » Page 18<br>Cobot Turn 100 A<br>turn-tilt table ensures the optimal<br>ng position. The precise positioning<br>h weld seam can be specified in the   |  |  |  |  |
| CE-compliant                                | The linear axis f<br>maximum flexibili<br>With constant<br>the ent<br><b>Collaborat</b><br>Safety opt<br>accessibility.<br>by internal<br>interactior | or more workspace and<br>ity in the welding process<br>welding quality across<br>tire workspace.<br>ive safety concept<br>ion with maximum<br>The Cobot is secured<br>safety functions in<br>a with the operator<br>uctive operation. | ss. weldir<br>for eac | » Page 18<br>Cobot Turn 100 A<br>turn-tilt table ensures the optimal<br>ng position. The precise positioning<br>h weld seam can be specified in the<br>programme process. afety concept laser scanner<br>Safety option with additional<br>safety components.<br>scanneror function button releases<br>action with the Cobot or productive |  |  |  |  |

#### The classic: the Lorch Cobot Welding Packages to date

The pre-configured complete packages with the Cobot UR10 CB3.

| Cobot UR10 – the tried and tested solution by the Cobot m |   |  |  |  |  |  |  |
|---|---|--|--|--|--|--|--|
| Welding   | <b>MIG-MAG</b><br>For full efficiency and high-qual<br>welds. |  |  |  |  |  |  |

TIG For highly demanding and visually highquality weld seams at the highest speed.



## Cobot technology by the market leader.

Lorch fully relies on the experience of Universal Robots.

## The multitalent Cobot UR10e.

Lorch offers the best team player for any challenge.

Looking at the five most frequent causes of injuries at production sites, 8% are due to monotonous movement processes and 24 due to excessive strain. The current Cobot series from the market leader Universal Robots not only relieves your team of these tasks but in combination with our Lorch Cobotronic software also opens up new dimensions when processing your welding demands.

Highest quality for practical use. Quick to use and intuitive to operate, for consistently high-quality welding results. Always with the goal of creating a better and more efficient solution for you.

Improved repeatability for maximum and consistent weld seam quality

**Easier free drive** for simpler Cobot guidance and programming by the welder

More custom options

referring to operating comfort, programming process, and cobot control

#### **Overview of the Cobot UR10e**

- 1,300 mm work radius
- 12.5 kg carrying load
- simple, intuitive programming

Cobot welding is even more intuitive, precise and optimised now!!

- very small footprint
- short time to amortisation
- plenty of plug & play accessories

# Condensed welding competence.

No matter if it's about MIG-MAG or TIG – Lorch offers best arc performance, perfectly aligned with the Cobot.

LORCH

COBOT MOVE

LORCH



#### V30 ROBOTIG TIG

## **Best arc properties:** V30 RoboTIG.

#### Heavy-duty TIG welding for pros.

TIG welding with outstanding performance – at long activation times and performance are the key features of the V30 RoboTIG AC/DC. Contact-free HF ignition warrants increased arc stability and optimises material transition. Thanks to outstanding ignition properties, this system is perfect for automated operation. The integrated fast-pulse technology also ensures maximum efficiency in TIG welding automation. Outstanding TIG technology and tried and tested inverter technology optimise practicality and productivity in automated welding.



LORCH

Same XT LORCH

**S5 ROBOMIG XT** 

For further information about

**S5 RoboMIG XT** 

**MIG-MAG** 

MIG-MAG welding on the highest level.

With its complete FullProcess equipment and lightning-fast control technology, the high-performance S5 RoboMIG XT enables you to weld virtually anything that you may want to weld – with greatest efficiency.

Cutting-edge processor technology ensures optimum interaction of all parameters and components involved in the welding process while maximising arc performance.

Peak values in arc control are achieved and optimal welding results can be reproducibly achieved for all materials.



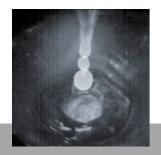
For further information about V30 RoboTIG



## FullProcess – for any Cobot solution.

#### The innovative welding processes by Lorch.

Speed, quality, penetration, and weld appearance pose high demands to the welding process to produce a perfect weld seam in a vast variety of welding positions. Our engineers have developed outstanding MIG-MAG-process innovations for you based on experience from industry practice as well as the wishes of many users. This has led to Lorch Speed processes that significantly increase your welding speed, noticeably simplify the process, and enable unparalleled productivity.



SPEEDPULSE XT

Extra fast. Extra low-spatter. Extra proficient handling.



SPEEDARC XT

Deeply impressive. SpeedArc XT sets itself apart by its highly focused and stable arc.

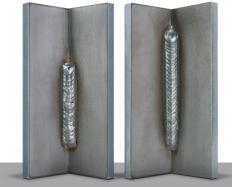
Video to the Lorch Speed processes https://youtu.be/lx4m2DugkFg





**TWINPULS XT** 

Looks really fantastic. Picture-perfect seams at maximum speed.



#### **SPEEDUP**

Experience a real highlight for vertical seam welding.

#### **Overview of the advantages**

- Higher speed
- Better weld seam quality
- Higher penetration
- Better look of the weld seams

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#### SPEEDCOLD

For cold hard efficiency during thin sheet welding.

- Lower welding fume emissions
- Quieter work
- Higher result security due to improved process control

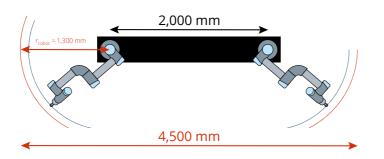


## More workspace, maximum freedom.

The Cobot Move linear axis – for long, large, and nesting operation.

The Cobot Move linear axis is THE supplement for enlarging the Cobot workspace even more. The Cobot remains highly precise thanks to the high-quality ball screw drive installed in the Move linear axis in order to ensure a consistent welding quality across the entire workspace.

Cobot Move is truly smart: The Cobot remains CE-compliant for collaborative use without needing any additional safety technology such as laser scanners, housings, etc. This ensures true simplicity in installation of the Cobot Move as well: just a few steps are needed.



#### Practice-oriented solution

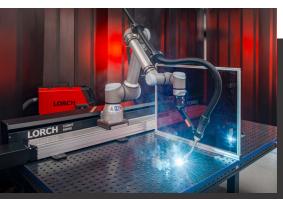
The Cobot can be operated collaboratively with the Cobot Move:

- No additional safety technology needed
- Sophisticated axis design without any risk of crushing/shearing
- Automatic stop and deactivation with unplanned collisions

#### **Overview of your advantages**

- Movement axis (2,000 mm) to enlarge the Cobot work radius to more than 4.5 m
- Optimum expansion for the Cobot Welding Package on welding tables from lengths of 2.40 m onwards
- Allows nesting operation or welding of large parts
- For long weld seams: Welding is possible even when moving the axis
- Fully integrated control and programming of the axis via the Lorch Motion URCap





# **Simply ingenious,** no matter the direction.

The perfect supplement: the turn-tilt table Cobot Turn 100 A.

The Cobot Turn 100 A turn-tilt table always ensures the optimal welding position for Cobot welding. The precise positioning for any weld seam can be specified in the programme process. This increases quality, productivity, and flexibility while saving valuable time even in demanding welding tasks and roundseams.

#### Overview of the advantages

#### Two-axis manipulator

Longer welding without interruption and re-clamping since the parts need to be repositioned rarely or not at all.

- Fully integrated Lorch Motion software The dedicated URCap Lorch Motion is fully integrated into the Cobotronic software and easy to retrofit.
- Simple and intuitive operation
   The smart software also developed by Lorch
   is easy to operate. Programme processes can
   be configured intuitively.
- Safety technology

The laser scanner and virtual housing keep the system freely accessible at all times under consideration of employee protection.

 Ergonomics at the workplace
 The avoidance of difficult positions and repositioning saves effort and improves workplace ergonomics.



## All functions under control – simple, quick, comfortable.

The Cobot multifunction flange with function keys.

The multifunction flange takes programming from the control panel right to the robot. This not only saves time but is much simpler for specification of the welding tasks. It only takes a few minutes for new parts to be programmed and taught in.

Three freely assignable buttons on the new multifunction flange permit direct execution of many functions right at the welding task: one is teaching of parts via QuickPoints, while others include tacking or wire feed/pull-back. The execution and arrangement of the buttons is, of course, designed for operation with gloves.

Additionally, the ergonomically optimised grip of the multifunction flange permits more relaxed movement and positioning of the Cobot in Freedrive. No more annoying cable routing: the multifunction flange is now connected directly to the Cobot head.

The multifunction flange for the UR10e is compatible with any Lorch Cobot torch.



# The software for greatest comfort and efficiency.

#### Lorch Cobotronic makes the difference.

The function scope keeps being expanded by updates and further developments – in 12 different languages to boot! The Lorch Cobot Welding World essentially differs from other Cobot solutions by its outstanding software. It is perfectly adapted to the welding technology, and therefore your needs, by our experienced welding experts – maximal user compatibility and intuitive handling makes production more efficient. **Continuous updates and further developments open up use of new function expansions for you** – in as many as 12 different languages!

## LORCH COBOTRONIC SOFTWARE

#### Job mode

In job mode, the Cobot will comfortably and simply take over the parameter control from the power source.



## **Intuitive operation** for quick setup and optimisation.

#### To the goal in a breeze.

The simple and intuitive operation of the Cobotronic software enables users to set and optimise welding parameters very quickly. The choice of three practical modes is a great help here. With its assistant mode, the software supplies parameter suggestions for optimal welding results, depending on the chosen application.



#### Individual mode

For real pros: individual mode permits full access to all parameters and characteristic curves of the power source right on the Cobot control.

The parameter selection is stored directly in the Cobot program, including all secondary parameters, to enable welding in perfect quality without welding in again even after weeks or months.



#### + Assistant mode

Even experienced welding pros may find the selection of material, wire, and gas combinations and the proper welding speed to be a tedious and complex process at times. The Cobotronic assistance systems make this simpler and more efficient. This is because a welding speed is suggested directly according to the desired A dimension.

#### + CobotJobs

Parameter settings can be adjusted, named, and tagged as CobotJobs as desired by the user. Simply save as a favourite and lock against changes if necessary. Perfect for ensuring that the proper parameters are always quickly at hand and that welding goes perfectly from the very first weld seam.

## The future can be upgraded.

#### Our solution for your secure investment.

The Lorch Cobot Welding World also gives you the option of selecting equipment of your Cobotronic software just as you need it. Additional functions support you in your individual production needs and work processes.

Our welding experts continually develop our scope of functions. Later further developments are, of course, upgrade-capable.

## Comprehensive additional functions.

#### Best requirements for success.

The myCobot system kit offers further functions for the Cobot control. This includes, among other things:

#### Interval welding

Step welding along a weld seam.

#### Weaving

Linear, radial, or along the part - always keeping the weld pool perfectly under control.

#### Spot function

Comfortable tacking - also in the program sequence.

#### Integrated control

from torch cleaning stations to program functions, wire feed, and gas test.

#### CobotJobs

Customise welding parameters, name them, tag them and save them as favourites.

#### QuickAccess menu

Get guick access to the most important functions – always quick to reach.

#### Software-supported help

to determine the optimal welding parameters based on the effective throat thickness.

#### QuickPoints – maximally comfortable operation.

Simplest programming of waypoints and welding commands with a single click on the multifunctional flange.

#### Overview of the advantages:

- Teaching "waypoints" and "welding commands" at the push of a button
- Selection of the "waypoints/command type" by going through the menu – also by the push of a button
- Direct application of the default parameters for the movement

Even complex parts can very quickly be taught completely this way.



#### SmartCopy – for larger piece numbers in the same work area.

Copying of already-programmed welding processes for specific parts that can then be simply shifted and rotated in the work area ensures greatest productivity. This can increase performance and the produced piece number by a multiple quickly.

#### Overview of the advantages:

- Moving programs/program parts based on measurements or reference points
- Rotating around the base or a reference point

Copying of existing products maximises productivity.



|   | Q        | Command    | Graphics | Variables |                              |
|---|----------|------------|----------|-----------|------------------------------|
| Variables Setup<br>Robot Program                                  |          | Quick-Poi  | nts      |           |                              |
| Quick-Points     Hove     Ostart                                  |          | Quick-Poin | nts      |           | Feature<br>Base              |
| <ul> <li>Individual - Start</li> <li>MoveP</li> <li>P1</li> </ul> |          | Movej      |          |           | Joint Speed (°/s):<br>- 30 + |
| <ul> <li>♥ CircleMove</li> <li>O circle_1</li> </ul>              |          | MoveP      |          |           | Tool Speed (mm/s):           |
| circle_2     CircleMove     O circle_3     O circle_4             |          | Circle Mo  | ve 🗆 🕽   | >         | Blend with radius (mm):      |
| <ul> <li>Welding - Stop</li> </ul>                                |          | Start      |          |           | Weld-Mode:<br>Individual     |
|   |          | Switch     |          | <b>)</b>  |                              |
|   |          | Stop       |          |           |                              |
| <b>↓ ੭ ਂ x ∎</b> ∎  | <b>İ</b> |            |          |           | LORC<br>smart web            |
|   |          | Speed 10   | 10%      | E         | 🕑 🖸 🖸 Simulation 🔵           |

| م   | Command     | Graphics | Variables |                    |
|---|-------------|----------|-----------|--------------------|
| SmartCopy     SmartCopy     Movel     Ohome | SmartCop    |          |           |                    |
| start_point     start_point                 | Offset valu | e Offset | point     |                    |
| ♥ ▼ CircleMove                              | X(mm)       | - 0      | +         |                    |
| EndPoint_1     end point                    | Y(mm)       | - 0      | +         |                    |
| * + Movel                                   | ▶ Z(mm):    | - 0      | +         | X Y X              |
| <ul> <li>SmartCopy</li> </ul>               |             |          |           | ×                  |
| Movej<br>horme_1<br>start point 1           | rX(*)       | - 0      | +         | OBase              |
| * + MoveP                                   | (1(1)       | - 0      | 1+        | Rotation point     |
| CircleMave     OvaPoint_2     EndPoint_2    | rZ(*)       | _        |           | Set rotation point |
| @ end_point_1                               |             |          |           |                    |
|   | Set o       | ffset    |           | 11 L               |

#### SeamTracking

Automatic weld seam correction for weaving weld seams. Distortion or bigger tolerances in the parts won't matter - the Cobot will stay within the weld seam.

#### Overview of the advantages:

- Can be used for weaving fillet welds from a sheet thickness of 4-5 mm onwards
- Online calibration: The start of the weld seam is recorded as reference for the further weld seam. Separate welds for calibration are not necessary.
- Simple setting parameters: Well-structured and compact adjustment of SeamTracking behaviour
- Parameter tables tested in advance in our welding lab. We supply parameter settings for many different specifications to permit quick implementation of adjustments to your part.

| ✓ Basic     | Q co                               | mmand Graphics Variable                                | s               |
|-------------|------------------------------------|--|-----------------|
| Move        | 1 X Variables Setup                |  |                 |
| Waypoint    | 2 ▼ Robot Program We               | eaving - Start   |                 |
| Direction   | 3 • 4 Movej<br>4 • 0 home V        | Veaving Seamtracking                                   |                 |
| Wait        | 5 O start                          |  |                 |
| Set         | 6 - Individual - Start             | <ol> <li>Start delay before calibration(s):</li> </ol> | - 1 + [1]       |
| Popup       | 7 - Weaving - Start<br>8 P - MoveP | (2) Calibration cycles:                                | - 10 + [10]     |
| Halt        | 9 O Fnd                            |  |                 |
| Comment     |                                    | (3) Correction value per weave (mm):                   | - 0.25 + [0.25] |
| Folder      | 1 11 ₱ ♣ Movel<br>12               | Sensitivity:   |                 |
| Set Payload |                                    |  |                 |
| > Advanced  |                                    |  |                 |
| > Templates |                                    | /VVVV  |                 |
| > URCaps    |                                    | 0 0  | 3               |
|             |                                    | -  | LORCH           |
|             | ★ 長 ち ぐ 米 値 自 面 団                  | Seamtracking ON/OFF                                    | smart welding   |

Automate even more parts even with lack of tolerance accuracy and possible distortion with the Cobot.

NEW

#### TouchSense

Finding the weld seam with a slight touch by the gas nozzle to compensate for tolerance deviations or workpiece variance.

#### Overview of the advantages:

- Simple programming in just 3 steps
- Adjustable torch position and angles
- For different weld seam opening angles
- Perfect for defining a perfect start for SeamTracking

Workpiece variances can be recorded and compensated for easily by the Cobot

|             | Q Command Graphics Variables  |
|-------------|---|
| Move        | 1 Vitedation Colors   |
| Waypoint    | 2 Robot Program   |
| Direction   | 3 TouchSense  |
| Wait        | 4   |
| Set         | 6 O TouchSense P1   |
| Popup       | 7 Job - Start : 3 Set Point 2 Move Here   |
| Halt        | 9 Welding - Stop  |
| Comment     |   |
| Folder      |   |
| Set Payload |   |
| Advanced    |   |
| Templates   |   |
| URCaps      | Search speed [mm//s]         Search distance [mm]         α [°]           -         10         +         -         100         +         -         90         4 |
|             | Variable<br>TouchSense P1 Variable  |

#### SeamPilot

Line laser for online recording of the weld seam course without programming the path first.

#### Overview of the advantages:

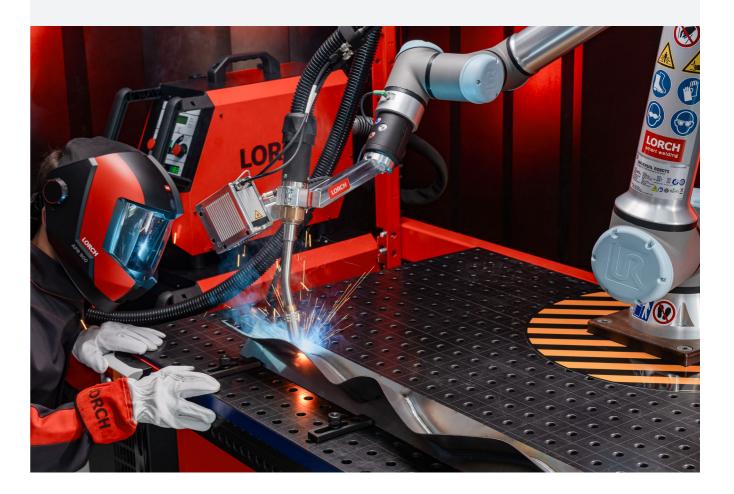
- Searching for, finding, and tracking the weld seam, even in cases of large deviations
- Simplified programming: Only a rough starting point is specified; SeamPilot will find the further seam course
- Automatic implementation of the specified torch position and angles without teaching
- Weld seam length specification by weld seam length, rough end point, or automatic recognition
- Also for outer edges or multiple weld seams in sequence on a single part

Reduced

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Halt

Comr



#### **NEW**

| <u>ଚ</u> ୍ଚ ଲୁ   |          | SRAM <b><unbenannt:< b=""><br/>ATION <b>default</b></unbenannt:<></b> | >* 📮 🏲<br>New Open | 5               | R+      | 0124<br>4E4D ☰         |
|--|----------|---|--------------------|-----------------|---------|------------------------|
|  | ۹        | Command   | Graphics           | Variables       |         |                        |
| X Variables Setup<br>▼ Robot Program<br>♥ ↔ Movel<br>◎ Start   |          | SeamPilot<br>Basic  | t                  |                 |         |                        |
| <ul> <li>SeamPilot</li> <li>Scan Motion</li> <li>Start actions</li> <li>Job - Start : 3</li> <li>Tend actions</li> </ul> |          | Seam length:  |                    | Path length (mm | 500     | ▼<br>⇒ +               |
| Welding - Stop   | - 0      | Speed [cm/min]  |                    | <u>v'</u> —     | 60.0    | Ų <mark>"</mark>       |
|  |          | Torch orientatio  | on [°]:            | <u> </u>        | 5       | <u>[]</u>              |
|  |          | Weld angle [°]:   |                    | <u> </u>        | 0       |                        |
|  |          | Stickout [mm]:  |                    | <u>//</u>       | 15      | 🕢                      |
| ₽ つ < X 🗉 🖻  | <b>İ</b> | Use advanc  | ed settings        |                 |         | LORCH<br>smart welding |
|  |          | Speed 10  |                    | D               | 🗘 🛈 sin | nulation               |

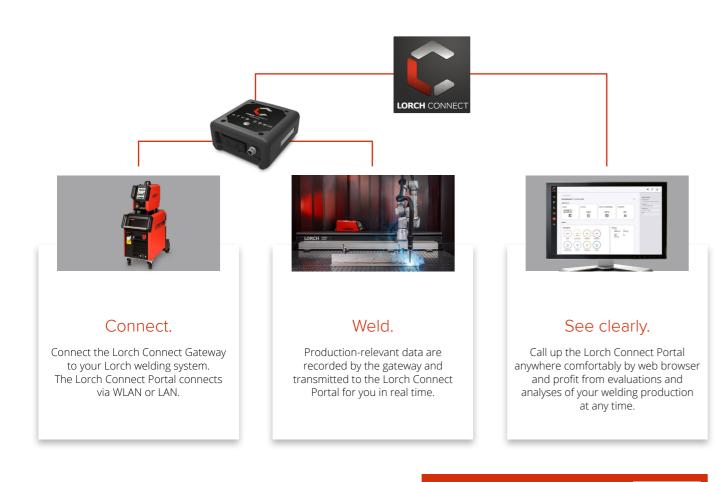
Maximally simple Cobot programming without elaborate teaching, even at complex weld seam courses

## Your perfect gateway into the **digital era**.

Use Lorch Connect to digitise, analyse, and reliably optimise your welding processes.

The start into the Lorch Cobot Welding World takes you one step closer to Industry 4.0. Take two with the Lorch Connect Gateway, now serially integrated. It allows you to use Lorch Connect, the simple and cost-efficient cloud solution for reliable recording and analysis of your welding production data, comfortably and without any additional costs! Performance and analysis, as well as documentation of results, are particularly important for automation. Enjoy free access to the Lorch Connect Portal for 1 year and try out the digital services entirely without any risk.

#### How it works:



For further information about Lorch Connect





## Best scores for the Cobot.

#### Make your team even stronger.

The Lorch Cobot automation solutions bring cost benefits and time savings in many industries. Contact us - we will enable a simple start into effective welding automation for your company as well.







Vehicle construction and construction machinery



Mechanical engineering





Agricultural machines and attachments



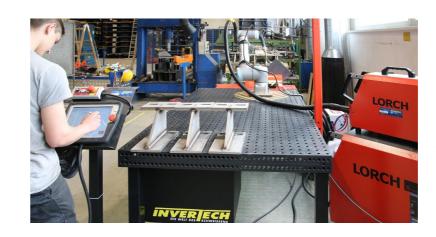
**Railbound vehicles** 



Metal construction



Door and facade construction



## Are you not convinced yet?

#### Read the reports of success from practice.

In the last years, Lorch has successfully implemented many Cobot automation solutions for customers. Use the links to the detailed practice reports from our customers to learn more about the results and benefits in their production processes.

#### Jorado Maschinenbau GmbH

"The Cobot has certainly outdone our expectations. The perfect interaction of Cobot, power source, and software has created important new capacities for us. The new system also relieves our welders, who are now able to focus on their core competence much more. On top of this, young people who like to program and handle EDP will also find welding more attractive thanks to being able to handle the Cobot." Jürgen Tippe, head of operations





#### HABAU GROUP

"With its always ideal welding position and the resulting high material application, the Cobot can complete processes that we had to weld in two- or three-layer welds manually before in single-layer weaving operation."

Alexander Hörzenberger, head of steel construction



#### Rösler Oberflächentechnik GmbH

"We have significantly strengthened our competitiveness by using the Lorch Cobot Welding Package." Stephan Böhnlein, production department head

> To the detailed practice reports



### A team of experts is ready for you.

Our Lorch Cobot partners can be found across Europe, and surely also in your area.

Learn about further advantages of the Lorch Cobot Welding World from your qualified Cobot partner on site: personally, close to you, and quick! Simply try out our Cobot automation solutions there on a demo system in a live demonstration and experience it for yourself.

#### Your Cobot contact:



For further information, see www.lorch.eu/en/cobot-welding

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