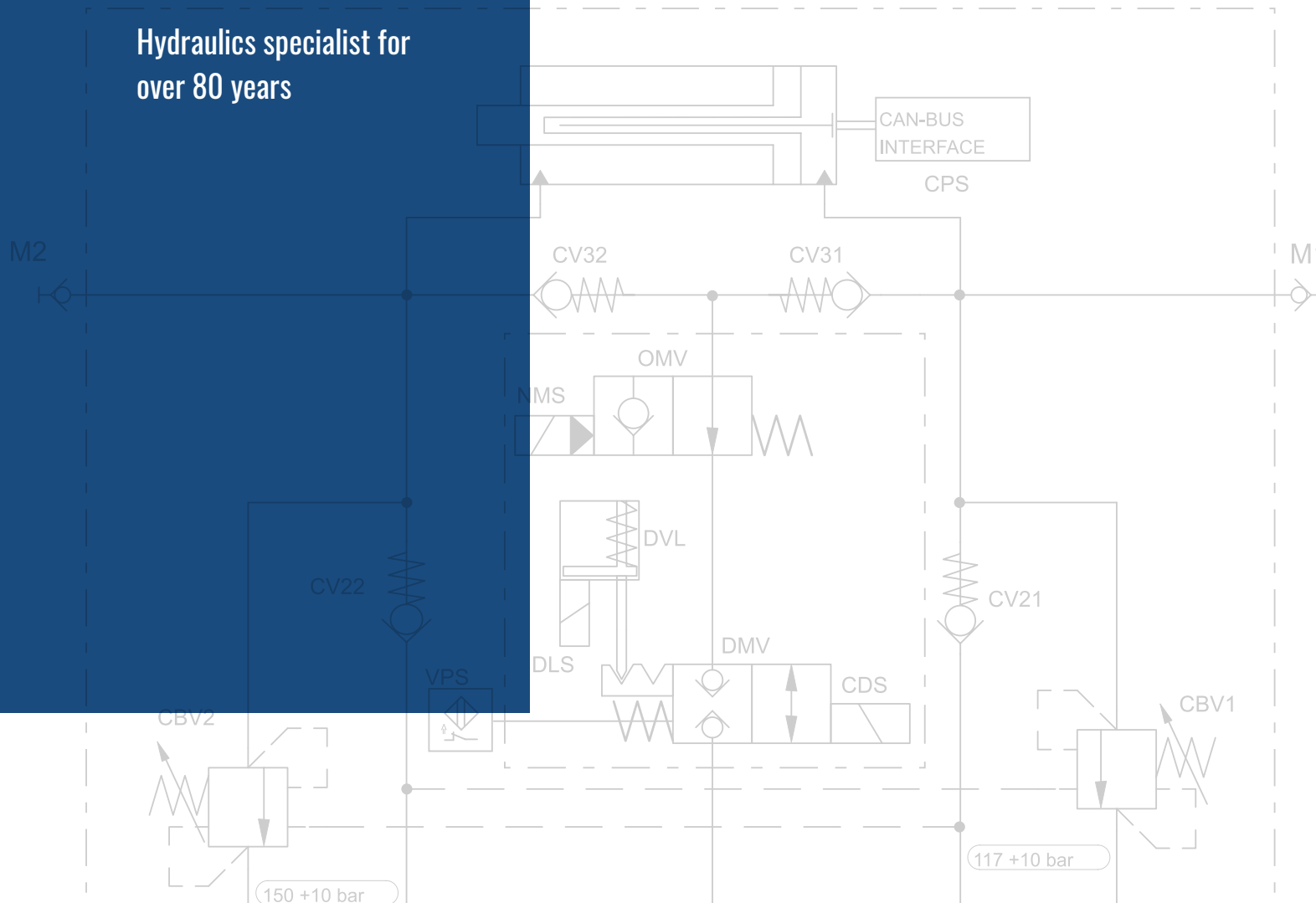


Experience meets innovation

Hydraulics specialist for
over 80 years



Contents

4–5

Foreword
Christine Grotz
Managing Associate

6–11

History and tradition

12–19

Facts, status quo and
looking to the future

20–31

Industries

32–41

Products at a glance

**Taking smart steps towards success together –
as an internationally leading, innovative partner, we find and
implement sophisticated solutions in hydraulic control technology
with our customers.**



Innovation through expertise and experience

Over 80 years after my grandfather, Emil Weber, founded the company, WEBER-HYDRAULIK is now managed by the third generation of the founding family. As a family business, we have always accepted our responsibility towards our customers, business partners, workforce and locations.

I have had strong ties with WEBER-HYDRAULIK since my childhood, having been born into the entrepreneurial family. In the beginning, we actually lived on the company premises; I always had a close relationship with my grandfather. It makes me proud to be able to continue the company with its tradition and in the spirit of my grandfather. This also means that we are continuously working on developing and expanding our position as a technology leader further. Of course, we are facing different challenges today than my grandfather did in his time. Products have become more sophisticated, manufacturing processes more digital and faster, and markets more complex. Despite or perhaps because of the changing demands on us as a company and on us as part of a community, we still stand for reliability, continuity and solidarity after 80 years.

Since the beginning of the new millennium, we have continuously transformed from a component into a system provider. This allows us to respond to customer and market requirements with even greater flexibility while offering innovative hydraulic solutions. Our many years of experience coupled with development expertise and a focus on customer benefits play a significant role in this process. Not only do economic, technological and ecological aspects come into play, but also the heart and soul: reliability and continuity are important to us and essential elements of the responsibility we practise. Although many things are always in a state of flux, one thing remains the same – we at WEBER-HYDRAULIK will continue to combine our strengths in the future to make light work of heavy things for our customers and business partners.

Christine Grotz
Managing Associate

01

Further development as a tradition

A success story step by step

**“Tradition stands for
reliability, continuity, stability and the
people who represent the human
face of the company”**

More than 80 years ago, on 9 October 1939, the founder of the company Emil Weber took the risk and founded “Emil Weber Fabrikation hydraulischer Hebezeuge” despite the most difficult circumstances and against all odds. The entire factory was destroyed during the war in 1944 and only a few machines could be salvaged from the rubble. With a mixture of courage, determination and vision, Emil Weber started from scratch in Güglingen, his wife Toni’s home town. Today we look back on 80 years of steady growth.

Our company is therefore founded on continuous development. For us, this tradition stands for reliability, continuity, stability and the people who represent the human face of the company. It also means that we are aware of our values as a family business and are constantly developing in the tradition of our company founder in order to maintain and expand our position as a technology leader.

Hydraulic components have long been an integral part of everyday life. We see day in day out that hydraulics, despite or perhaps because of their considerable history, are still the principal object of a whole variety of almost endless possibilities of technical innovation and applications in our modern times. Since the beginning of the new millennium, WEBER-HYDRAULIK has focused on strategically further developing to become a system provider, which has also been associated with acquiring strategic partner companies. In the sum of its competencies, WEBER-HYDRAULIK stands for innovative, sophisticated, application-specific hydraulic solutions. Together, the WEBER Group pursues the mission “Leadership in Hydraulic Solutions”.

In keeping with the WEBER tradition, we will continue to develop with our customers and markets worldwide, while not losing sight of our core competencies.

A mixture of courage, determination and vision



1939 Foundation of “Fabrikation hydraulischer Hebezeuge”



Foundation of “Fabrikation hydraulischer Hebezeuge”

1939

Diversification and expansion of the product portfolio

1950



Foundation of WEBER-HYDRAULIK GmbH in Losenstein, Austria

1969

ISO 9001 **certification** of the Güglingen site for the first time

1993



Expansion of the portfolio for system solutions by integrating the companies LOG Hydraulik GmbH and FLUID TEAM Automationstechnik GmbH

2007



Foundation of the joint venture RESCUE DIGITAL SYSTEMS GmbH, to develop apps and online applications for fire brigades and other aid organisations.

2019

1944

Relocation of the company from Stuttgart to **Güglingen**, Germany



1965

Production of the first **cab tilting system**



1974

Start of production of hydraulic **rescue equipment**

2005

Foundation of WEBER-HYDRAULIKA Sp. z o.o., Poland



2017

Realignment and focusing on core competencies as a development partner and system provider

02

Designers & visionaries

The “WE” is paramount to us

**“Our employees have always
been one of the most important pillars
of our company.”**

About us at WEBER-HYDRAULIK

Each individual a hydraulics specialist in their own right – and together an unbeatable team for movement, strength and dynamics. What drives us? Shaping the future and being a part of changing tomorrow. We work with passion to make a difference, every day anew.

As an employer, we are characterised above all by flat hierarchies, short communication channels and a pleasant working atmosphere. The professional and personal development of our employees is a key success factor for our company. We endeavour to give our employees space for their personal development and turn their ideas into reality.

Promoting young talent is a top priority at WEBER-HYDRAULIK. Every year, we launch young people's careers in both technical and commercial occupations.

One key component of our corporate culture are the WEBER values, which have been firmly anchored in our company for many years and significantly shape our day-to-day activities. The values describe “who we are” and “what we stand for”. They apply to all employees across all locations. We ensure that an environment is created for employees in which their individual strengths are promoted and their unique features are respected.

The WEBER values define the correct behaviour in daily company processes and ensure compliance with fair, sustainable, and responsible ethical objectives.

Our values



We

Empowerment

Being responsible

Ethics

Respect

JOIN OUR TEAM!



+49 7135 71-0

www.weber-hydraulik.com/en/career

Our passion

We develop reliable and powerful high-quality cylinders, manifolds, steering and suspension systems, valves and power units for mobile machinery, commercial vehicles and machine tools as well as rescue equipment. With more than 1,500 employees at six locations, we generate an annual turnover of approximately 300 million euros.

Over 80 years of experience make us a competent specialist for hydraulic drive and control technology. That's a responsibility! The WEBER-HYDRAULIK Group and all its locations stands for customised and functionally reliable hydraulic solutions. With this pooled expertise, we can successfully offer solutions in the demanding and challenging market of mobile and stationary hydraulics.

“We are an international specialist for customised and functionally reliable hydraulic solutions.”

As an internationally leading, innovative and pioneering partner, we offer our customers the implementation of sophisticated, application-specific system solutions. The development of high-quality cylinders, manifolds, valves, and power units has a long tradition in the group of companies and is one of our core technical competencies.

The WEBER RESCUE division is also an important part of WEBER-HYDRAULIK. The development and production facilities are located in Losenstein, Austria. ‘Let's create future’ is the slogan of WEBER RESCUE with its innovative technologies and reliable products.



LEADERSHIP IN HYDRAULIC SOLUTIONS

Facts

100%
FAMILY OWNED

6 LOCATIONS

>1,500
EMPLOYEES

1939
COMPANY
FOUNDATION

approx.
300 m euros
TURNOVER



Development & analysis

The growing demands on hydraulic systems in a wide variety of vehicles and machines require a new form of collaborative cooperation from machine manufacturers and their suppliers. With our many years of experience in component development and production, as well as our high level of system competence from design to implementation, we are ideally positioned to meet these requirements. In-house developed test benches guarantee our systems and components' functional reliability and quality.

Software simulations and hardware tests in our own test centres help find the best solution already during the development phase. As a result, we secure our customers faster time to market and maximum success.

Production

Sophisticated products require innovative and intelligent manufacturing processes. We meet our customers' highest quality standards through partially automated and often in-house developed production plants. Our production sites are characterised by a high level of manufacturing expertise and modern machinery and equipment.

State-of-the-art manufacturing technologies in our plants enable us to realise sophisticated and application-specific hydraulic solutions for our customers. Everything we do is based on the ISO DIN EN 9001:2015, IATF 16949 and DIN EN ISO 14001:2015 standards.

“Our investments in research, development and modern production technologies, as well as the continuous qualification of our employees, ensure that we have a short path to progress.”



03

Inspired by challenges

The right solution for every application

**“We develop technologies
that move the world.”**



Material handling

Increasing productivity

Industrial trucks and their attachments are equipped with a variety of cylinders and hydraulic components. Combustion or electric motor driven trucks are equipped with a hydraulic system due to their high power density. This takes over the control of the work functions and the movement of the load handling attachment. In addition, the hydraulic system creates the perfect conditions for the hydraulic steering system as well as for the recovery of lifting and braking energy.

Top quality and compliance with the legal regulations are essential for all installed components. To guarantee the high load-bearing capacity and service life standards, all elements are thoroughly tested on specially developed test benches. The use of state-of-the-art manufacturing and engineering processes ensures that our specially developed series components and complete systems meet these requirements at all times.

FUNCTIONS

- » Steering
- » Tilting
- » Lifting
- » Adjusting
- » Controlling
- » Stabilising
- » Damping
- » Pivoting

ADVANTAGES

- » Compactness
- » Driving comfort
- » Safety



Stability and safety

Cranes

Mobile cranes are equipped with a variety of different hydraulic components for their various operating functions, where enormous loads occur. The challenge for us is, among other things, the applied development of complex cylinder solutions. Some of these are equipped with additional functions such as electronic displacement and force measurement, position switches, various valves and control elements.

For example, hydraulic support cylinders ensure the stability of the world's largest cranes and turntable ladders. Hydraulically suspended axles and hydraulic steering cylinders with integrated mechanical locking ensure reliability, comfort and maximum mobility under all conceivable operating conditions.

FUNCTIONS

- » Supporting
- » Steering
- » Suspension
- » Pushing
- » Ballast
- » Bolting
- » Controlling

ADVANTAGES

- » Intensive technical support
- » Development and system expertise



Agriculture

Robust and comfortable in any terrain

Harsh operating conditions require the highest degree of robustness and reliability from our systems and components. In addition, the ever-increasing complexity of vehicles as well as rising demands on comfort and functionality require the constant further development of our technical solutions.

Target-focused engineering and state-of-the-art production processes guarantee cost-effective serial components and systems tailored to the respective agricultural application.

- FUNCTIONS**
 - » Steering
 - » Suspension
 - » Lifting
 - » Turning
 - » Controlling
- ADVANTAGES**
 - » Comfort
 - » Effectiveness
 - » Development expertise

Construction machinery and all its sensitive individual components are often subjected to extreme loads in the field. In the case of working cylinders, an application-specific design is therefore essential, taking all relevant factors into account. Increasing demands for stability, comfort and flexibility also require the continuous development of optimised solutions.

With the help of intelligent function integration, a contribution can be made to increased energy efficiency despite more powerful machines. WEBER-HYDRAULIK uses target-focused engineering and state-of-the-art manufacturing processes to produce cost-effective, custom-made serial components and complete systems for use in construction machinery.

FUNCTIONS

- » Controlling
- » Lifting
- » Suspension
- » Steering
- " Regulating

ADVANTAGES

- » Intelligent function integration with increased energy efficiency
- » Durable and robust components

Maximum performance

Construction

A large yellow construction truck is shown on a dirt road. The truck is positioned on the right side of the frame, facing left. The road is a light brown color, and the background is a clear blue sky.



Truck systems

Highest integration into the customer's vehicle

Unlimited availability and reliability are essential characteristics of commercial vehicles with a view to constantly increasing cost pressure in the transport industry. We can make a crucial contribution to this with our high-quality components and systems. We develop these according to customer requirements for precise integration into their vehicle.

For example, our hydraulic cab tilting systems for trucks enable quick and uncomplicated access to the engine compartment in the event of a problem. Our energy-efficient systems steer complete axles in the case of heavy multi-axle trucks and our hydraulic bottle jacks assist with repairing tyre defects.

FUNCTIONS

- » Steering
- » Suspension
- » Tilting
- » Controlling

ADVANTAGES

- » Energy savings
- » Comfort

Municipal vehicles have particularly complex requirements for the quality, flexibility and reliability of the components and systems they contain. Rough environmental conditions (salt, rain, extreme temperatures), a multitude of possible movements as well as the requirement to be able to control all functions simply and well dosed, play a decisive role in the construction of corresponding hydraulic systems.

Many years of “made in Germany” engineering expertise and state-of-the-art manufacturing processes enable us to meet all of these requirements at the highest level and to supply products that prove their worth every day in tough practical use.

FUNCTIONS

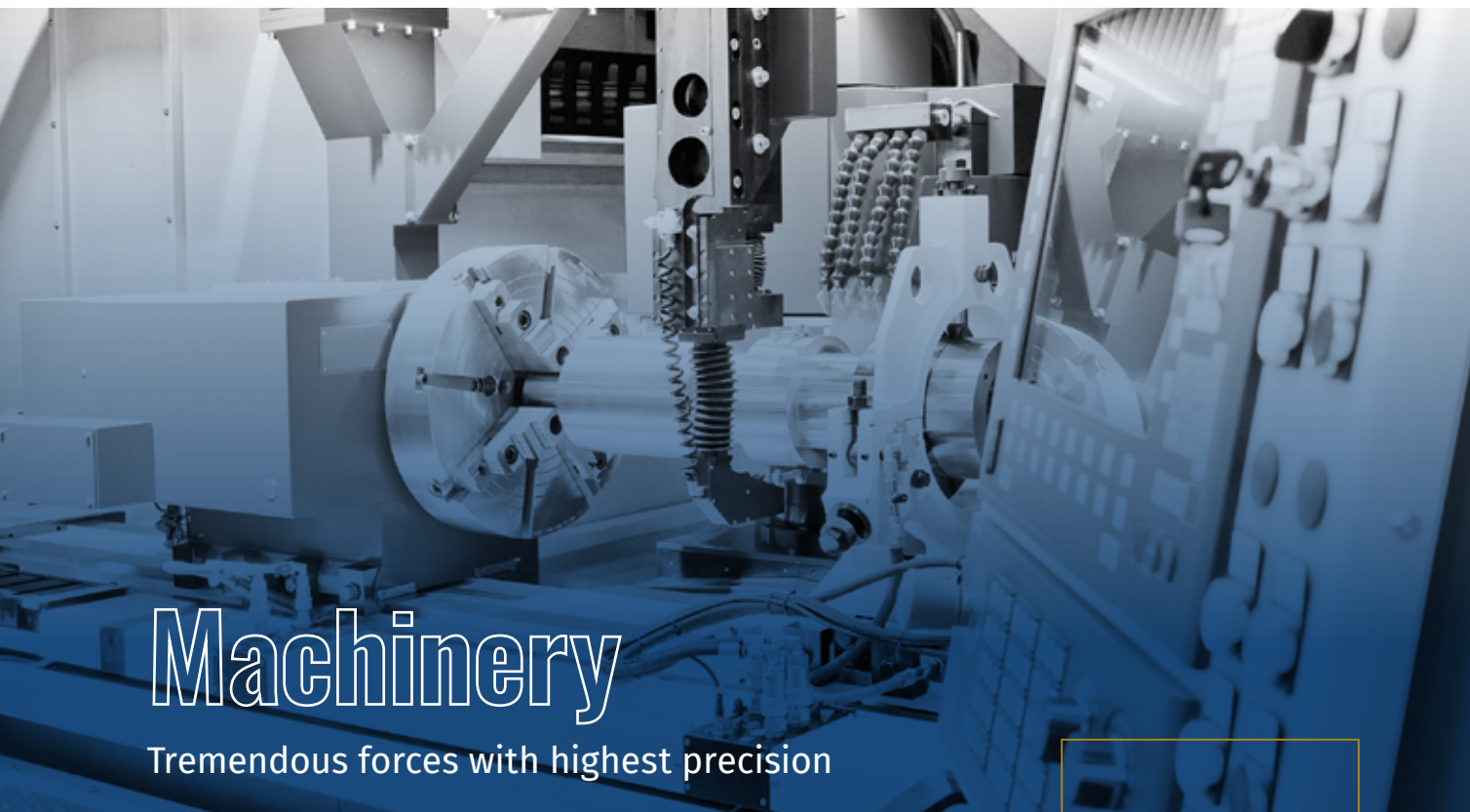
- » Controlling
- » Lifting
- » Suspension
- » Steering
- » Regulating

ADVANTAGES

- » Robust and durable components
- » Detailed understanding of application
- » High function integration in a small installation space



Reliability in all weathers Municipal



Machinery

Tremendous forces with highest precision

The wide range of applications for hydraulic systems in industry and mechanical engineering usually requires customer-specific developments that are optimally suited to the respective challenges. The advantage of modern hydraulic drives is that they can generate tremendous forces in the smallest of installation spaces. The kinetic or potential energy generated can also be recovered and stored during short cycle times. Dynamic, low-wear running at high operating speeds and high repeat accuracy is guaranteed. Hydraulic actuators can be hydraulically and/or mechanically secured.

For the locking of bell-type furnaces, special swivel clamping cylinders are used, which in addition to the axial movement enable up to 90° swivel stroke. Hydraulic power packs used in presses and forming machines are always precisely adapted to the available space in terms of shape and size. Due to the direct mounting of the required manifolds, even sophisticated controls can be realised in a compact design. Submerged motors reduce noise emissions.

- FUNCTIONS**
 - » Driving
 - » Pressing
 - » Lifting
 - » Interlinking
 - » Locking
- ADVANTAGES**
 - » Low space requirement
 - » Energy efficient
 - » High precision
 - » Low maintenance and wear
 - » Cost efficient

Manufacturers of special vehicles for heavy-duty and special transports can offer their customers custom-fit transport solutions with the help of WEBER-HYDRAULIK. The design and layout of the hydraulic cylinders are always based on customer requirements. WEBER-HYDRAULIK offers a wide range of products: in addition to the basic functions of steering, suspension and damping, a hydraulic load securing system, for example, ensures safe transport even with sensitive loads such as concrete or glass slabs. Locking cylinders prevent the load carriers from sagging, among other things. Unlocking cylinders allow the length of the trailer to be adjusted. To meet the increased requirements for corrosion resistance and protection, our hydraulic cylinders are finished with special coatings. This also makes our products reliable in terms of function and robustness.

- FUNCTIONS**
 - » Lifting and lowering
 - » Steering
 - » Suspension and damping
 - » Clamping and load securing
- ADVANTAGES**
 - » Development expertise
 - » Reliable and robust
 - » Tailored to application and customer
 - » Low maintenance and wear



Trailer systems



Rescue

Let's create future!

New vehicle technologies and constantly optimised safety systems in the vehicles improve the protection of occupants, but present rescue teams with ever new challenges. WEBER RESCUE SYSTEMS takes this trend into account with the permanent development of high-performance rescue systems. We have the right rescue equipment for almost every operational scenario.

In addition to our innovative product range, we offer training and educational courses for technical extrication rescue personnel. With our global network of trained specialists in the field of technical rescue it enables us to quickly respond to the (training) requirements of our customers and put our developments into practice. In this way, we make operations safer, faster, more efficient and easier.

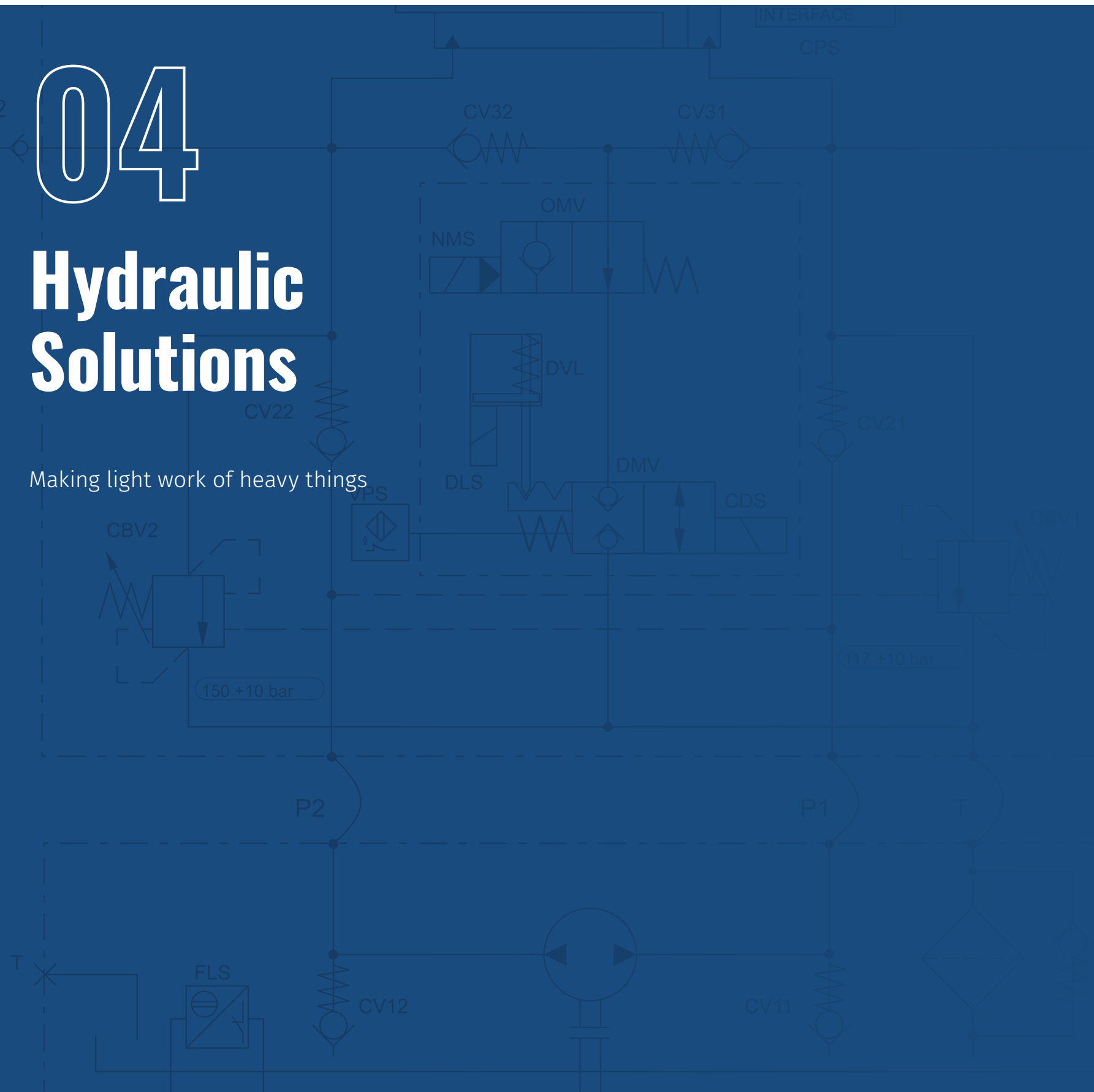
- FUNCTIONS**
 - » Accident rescue
 - » Training
 - » Industry and recycling applications
- ADVANTAGES**
 - » Development, consulting, training and service from a single source
 - » Innovations for effective rescue



04

Hydraulic Solutions

Making light work of heavy things

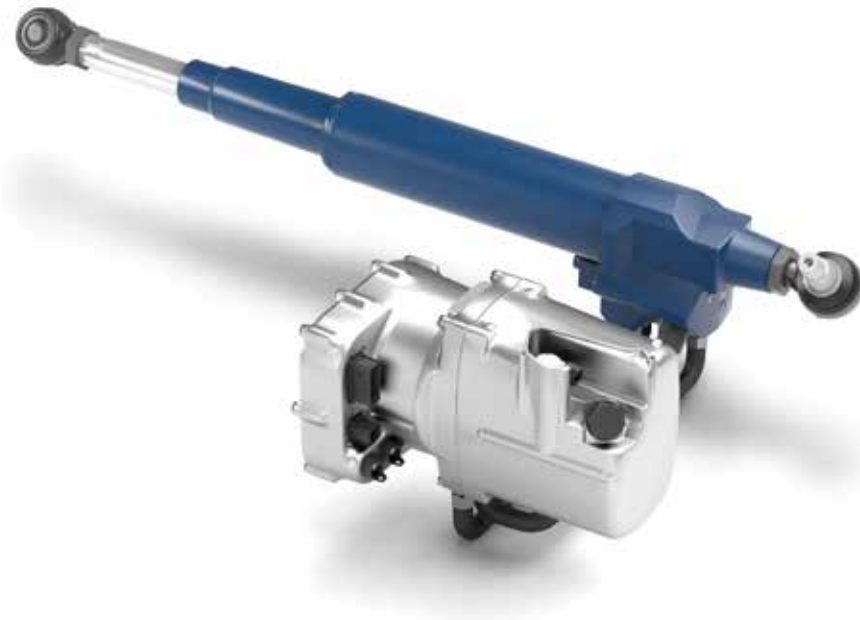


System solutions

Individual and innovative

In cooperation with our customers, we develop innovative application-specific system solutions for sophisticated requirements. Our broad product portfolio enables us to offer reliable systems from a single source. In the area of systems engineering, the customer-specific requirements are transferred to the individual components and specific parts. The key prerequisite for the subsequent development of highly efficient and economical systems is the competence to match each individual component to these requirements and to combine them into an overall solution.

This long-standing expertise in systems is used for hydraulic solutions in a wide variety of applications. As a technology specialist, we realise hydropneumatic suspension systems, electrohydraulic steering systems and much more, from the idea to the development and design, right through to series production.



Hydraulic cylinders

Competence for customer-specific serial cylinders

Developing individual cylinders for adaptation to specific customer requirements and transfer to series production is WEBER-HYDRAULIK's core competence.

We can cater to all specific requirements regarding temperature range, service life, corrosion resistance and maximum weight. The application area as such (e.g. in connection with a lot of dirt and harsh ambient conditions) as well as the requirements for the working pressure are also taken into account during development. Our portfolio includes both single and double cylinders and a range of telescopic cylinders.

Each cylinder is subjected to strict measurements before use in order to meet the highest quality standards. For intelligent additional functions, we equip our cylinders as desired with sensors and systems for displacement measurement, pressure measurement, temperature measurement, force measurement and point measurement.



Valves

From the valve catalogue to customised development

Hydraulic valves are used to control hydraulic systems in a wide range of industries. As a specialist in proportional valve technology, we offer valve solutions for a wide range of applications. In addition to proportional directional valves, proportional pressure valves and proportional throttle and proportional flow control valves, our product portfolio also includes various switching valves. The valves are distinguished by precise control behaviour with small hysteresis. Due to hardened and ground components, they achieve a very long service life with very low sensitivity to dirt.

Our great strength lies in the fact that we do not just make use of commercially available components, but develop and produce the special and sophisticated valve technology directly in-house. This makes it possible to find customised solutions that are not available on the market.

So building on the wide range of standard valves and decades of know-how in valve technology, our focus is on developing customised special solutions. The range of services extends from the pure modification of standard valves, for example through further development into pilot-operated valves, to designing control blocks that combine several functions, to a complete customer-specific new development.



Manifolds

Everything well regulated at all times

We develop customised hydraulic manifolds in close cooperation with our customers. When sophisticated control solutions for hydraulic systems are required, our engineers are in their element. They dive deep into the machine design first and analyse all the control technology requirements. Through this very intensive analysis with respective remit, it is possible to contribute to crucial optimisations at machine manufacturers.

Based on the application-specific requirements we develop the technical drawings, then the 3D data models and then we transfer everything into a finished series system. Today, we can already draw on a large number of ready-to-use solutions that are adapted according to customer needs.



Electronics & software

Precise and customised

Hydraulic systems, with their extremely high power density, can only be controlled very precisely and sensitively by electronics that have proven themselves in practice. Sophisticated system solutions require reliable programmes and controls. The design of electronics such as controllers, sensors and remote controls for our systems as well as the programming of the software is carried out almost entirely in-house at WEBER-HYDRAULIK. The development of own apps is also part of the comprehensive portfolio. This ensures that customer requirements are met perfectly and the best price-performance ratio is achieved.

Our developments always keep up with the latest state of technology. Common standards and norms are applied, such as ISO 26262 for functional safe systems in the automotive industry.



Hydraulic power units

The heart of every hydraulic system

Ready-to-connect hydraulic power units are used wherever consumers are operated with different oil volume requirements.

The WEBER-HYDRAULIK Group develops and produces a wide range of different hydraulic power units, from compact power units for mobile hydraulics to special power units for industrial applications. A modular concept makes plug&play complete solutions possible.

Project planning, design and production are all carried out by a single source and enable customised unit designs as well as compliance with individual operating equipment regulations.



Rescue systems

The right solution for every scenario

As an established manufacturer of hydraulic rescue tools, WEBER RESCUE SYSTEMS offers an extensive range of cutters, spreaders, combination tools and rescue cylinders. One focus of new developments in recent years has been on the battery-powered and flexibly usable cordless tools of the E-FORCE series. However, the standard program has also been further advanced with new generations of shears and blades, new spreaders and power units. Supplemented by additional equipment such as stabilisation systems and patient protection sets, we offer a comprehensive range of practice-proven solutions.

Another building block of our success is the worldwide training and education of rescue professionals. An example of this is the rescueDAYS, which now take place in several countries, among others in Austria, Brazil, Japan and Poland, and have already trained thousands of firefighters and rescue workers.

Digitalization is also becoming increasingly important in the field of aid organisations. RESCUE DIGITAL SYSTEMS GmbH was founded in 2019 for this purpose. Together with our customers in the fire brigade, THW, police, military and industry sectors, RESCUE DIGITAL develops customised and easy-to-use apps and software applications in the areas of alarm systems, administration, accident prevention and rescue.



Garage equipment

Traditional products in proven quality

Hydraulic bottle jacks, including the so-called “WEBER-Heber”, are the pioneer products of WEBER-HYDRAULIK and have proven themselves since then over decades.

Continuously further developed and optimised, WEBER-HYDRAULIK bottle jacks can still be found today in the original equipment of trucks as well as in a large number of commercial and private garages. WEBER-HYDRAULIK’s extensive garage equipment also offers high-quality hydraulic lifting tools such as hydraulic trolley jacks and air-hydraulic jacks. They are part of the basic equipment in every garage and make the daily work much easier.



WEBER-HYDRAULIK GMBH

Heilbronner Straße 30
74363 Güglingen, Germany

Tel +49 7135 71-0
info.de-g@weber-hydraulik.com

WEBER-HYDRAULIK GMBH

Felix-Wankel-Straße 4
78467 Konstanz, Germany

Tel +49 7531 9748-0
info.de-k@weber-hydraulik.com

WEBER-HYDRAULIK GMBH

Siemensstraße 17
84109 Wörth a. d. Isar, Germany

Tel +49 8702 49397-0
info.de-w@weber-hydraulik.com

RESCUE DIGITAL SYSTEMS GmbH

Heerstraße 3-5
53474 Bad Neuenahr-Ahrweiler, Germany

Tel +49 2641 8939020
info@rescue-digital.de

WEBER-HYDRAULIK GMBH

Emil Weber Platz 1
4460 Losenstein, Austria

Tel +43 7255 6237-0
info.at-l@weber-hydraulik.com

WEBER-HYDRAULIKA Sp. z o.o.

ul.Wyzwolenia 52, Wykroty
59-730 Nowogrodziec, Poland

Tel +48 75 734 97 08
info.pl-n@weber-hydraulik.com

www.weber-hydraulik.com