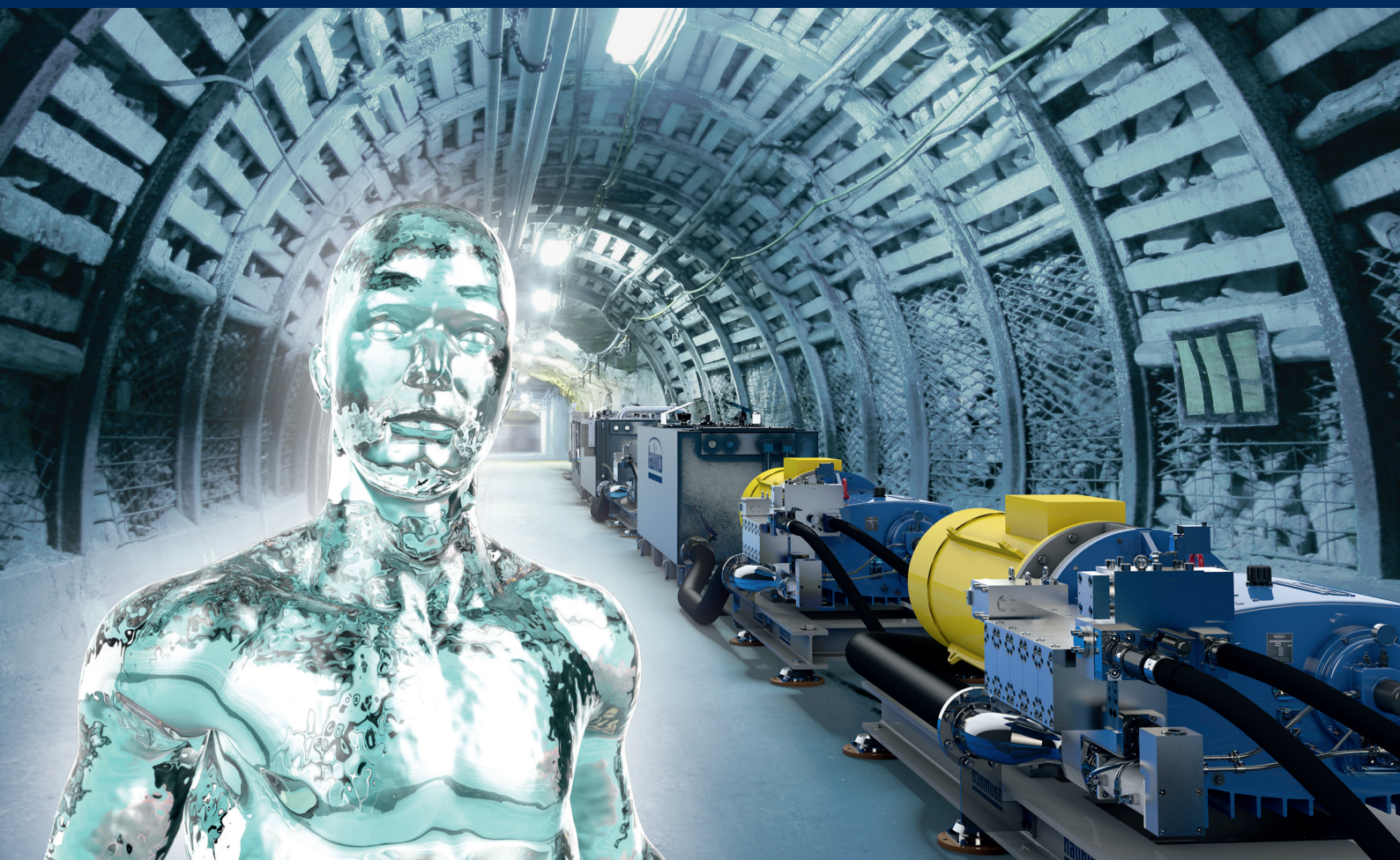




The expert for water-hydraulic solutions



The Company

From a mining supplier to an expert for water-hydraulic solutions

Tradition and innovation go hand in hand at Hauhinco. Founded in 1908 in Sprockhövel, Germany in the cradle of Ruhr mining, Hauhinco has remained true to its roots – up to the present time. For over 100 years, the company has adapted to many changes in structure and circumstances and continually brought new, innovative products onto the market. This experience makes Hauhinco unique in the market place. We have been developing and producing high-pressure plunger pumps for over 50 years and water-hydraulic valves and controls for over 30 years. This know-how makes Hauhinco the partner for today's sustainable and intelligent water-hydraulic solutions.



The Hauhinco Waterman

He has been our key visual since 2011 and symbolizes the power and dynamics of water-hydraulics

Your **partner** for sustainable and intelligent water-hydraulic solutions.



Continuous quality assurance: from the inquiry to the (test) certificate

We guarantee the highest standard of quality and degree of reliability with our development and modern production facilities in Sprockhövel, Germany. Our quality management encompasses all processes according to DIN EN ISO 9001. High quality test facilities and our own hydraulic test bench ensure the production of high quality products and systems.



Industry solutions – Mining

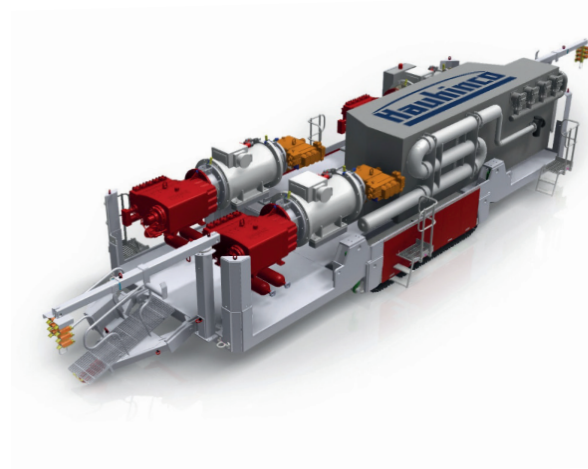
A reputable supplier in mining for more than 100 years

Since its founding more than 100 years ago, Hauhinco has been closely linked with mining. With our water hydraulic competence we design individually tailored pump stations for underground mining. We manufacture certified pump systems with all the necessary approvals for mines all over the world: whether high-pressure or water spray pump stations, with or without water treatment. Hauhinco stands for high quality pump systems that guarantee the necessary safety and reliability at the longwall.

The correct solution for every requirement:

Pump systems

Every mine has its own geological conditions. The requirements of the mine and the national regulations make specific adaptations and designs for high pressure pumps and pump stations necessary.



Reliable dust suppression and cooling:

Water spray pump stations

Water spray pump stations are used to minimize coal dust formation at the longwall. Hauhinco water spray stations supply the water spray for the shearer loader or cutter and the cooling systems for the drive motors with the necessary pressure and volumetric flow rate.

Power and safety at the longwall:

High-pressure pump stations

For the roof supports at the coal face, Hauhinco designs customer-specific high-pressure pump stations to generate the pressure necessary to support the so-called shields against the pressure of the roof at the working face.

Powerful
pumping stations for
underground **mining**

Clean medium for the entire longwall system:

Water treatment systems

Hauhinco was one of the first companies to design a water treatment system with all approvals for the use in underground mining. In doing so, Hauhinco reacted to the problem of many mines and longwall system manufacturers who complained of dirty and extremely saline water.



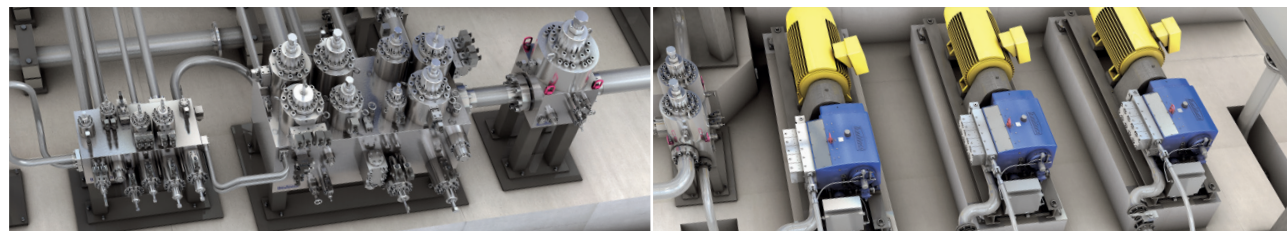
Industry solutions – Industrial

One-stop shopping: Water hydraulic solutions

Hauhinco is represented in a large number of industries with water hydraulic components and system solutions. In particular with comprehensive engineering solutions Hauhinco creates high quality systems that set standards.

Guarantee power, precision and safety: Control systems for drives and presses

Hauhinco offers complete engineering solutions in the area of modernization, expansion and also in the design of new control systems and drives for water-hydraulic presses. Numerous amounts of large-scale projects realized with equipment manufacturers and global companies from the steel, non-ferrous metal, light metal and automotive industry reflect our competence and the confidence placed in our products and services. Our control systems and drives distinguish themselves through safety, precision, reliability, efficiency and repeat accuracy and are tailored to the customer-specific processes and needs. Because of this, the product quality is sustainably improved and the process and work safety regulations are fulfilled to 100%.



Always at the correct pressure, angle and distance: Energy-efficient de-scaling systems

The increasing quality requirements on steel and forged products are at the same time increasing the requirements on a modern descaling system. Hauhinco is your partner for the design and production of turnkey de-scaling systems. Starting with individual de-scaling pumps and valves up to systems with automation and workpiece handling. The experience gained from numerous projects that have been realized, combined with in-house component development and manufacturing make optimized, energy-efficient de-scaling systems possible that set trends for both modernization projects and for new installations.

Customer-specific solutions and technologies that set the **standards.**



Further applications

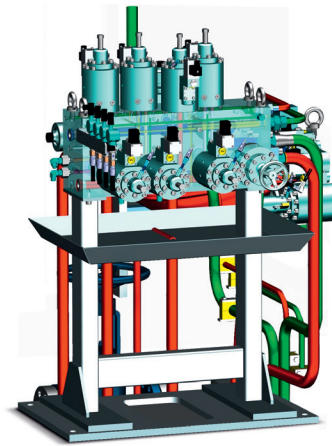
- > Hydroforming
- > Pipe testing systems
- > Pressure vessel testing
- > Part cleaning systems
- > Water treatment
- > Various other engineering solutions



Engineering Solutions

Using the power of water

As one of the most powerful elements in the world, a variety of reasons ensure that even today water is an important and indispensable hydraulic medium. Water hydraulics have been in daily use for decades in underground longwall mining and in numerous industrial applications. Strict regulations and laws make environmentally friendly, safe, clean and hygienic hydraulic systems indispensable in many sensitive processes, production facilities and applications. Continuous further development, the ready availability of the medium water and also the low life cycle costs (LCC) make water-hydraulics a commercially interesting alternative. Particularly storage, cleaning, disposal and insurance conditions are far more attractive.



Water-hydraulic engineering competence

Through a high degree of expertise in engineering science we are developing powerful, intelligent and environmentally friendly water-hydraulic systems for every requirement with the medium water. Thanks to our decades of expert knowledge and a well-founded process understanding of a diversity of markets, we know the high demands in mining and industry. This first-hand experience enables us to speak the language of our customers and to develop tailor-made systems.



Cross-sector process understanding for customer-specific **engineering solutions**

Promote new ways of thinking and approaches:

Research & development

Research into new and existing areas, the development of new products as well as continuous further development of existing products, services and processes are of major significance at Hauhinco.

For this purpose we regularly exchange information with our customers, other organisations, institutes and universities. New findings from a very wide range of areas often promote new ways of thinking and approaches and as a consequence flow into the development of our water-hydraulic products and systems.

Service

Always by your side – Hauhinco-service

Hauhinco service supports our customers worldwide during commissioning, maintenance and repair as well as in obtaining spare parts quickly and without difficulty.

Professional and reliable:

Commissioning

Hauhinco service technicians ensure that our pumps, pump stations, press controls and water-hydraulic systems are installed and commissioned correctly. We keep commissioning times down to a minimum thus allowing production to commence quickly.

Availability and safety:

Maintenance and servicing

Regular maintenance and servicing are essential for the long service life of your installation. You thus increase operational reliability and reduce operating costs. We are happy to offer individual maintenance contracts, which guarantee a high level of availability and safety.

Quick and convenient:

Spare parts

Hauhinco produces and supplies only high quality products and systems that are designed for tough continuous operation in underground mining and numerous industrial applications. For trouble-free part replacement we guarantee our customers quick part identification and delivery.



Our **water-hydraulic experts** are always at your service

Safe operation and maintenance:

Training courses

Benefit from our comprehensive training courses to get the most use out of our systems. Practical courses for operators and maintenance personnel guarantee the proper handling and the safety of our systems.





Everywhere near you

We are always at your service: our subsidiary Hauhinco LP in Evans City, PA, USA and partners in many mining and industrial regions.

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