



**DELLNER
HYDRATECH**

**LEADING THE WORLD
IN HYDRAULIC CYLINDERS
AND SYSTEMS**



DELLNER HYDRATECH

At DELLNER HYDRATECH, our unwavering dedication to exceptional design, manufacturing, and service has earned us the trust and loyalty of our customers since 1975 for their most challenging applications. From compact replacement cylinders to large-bore specialty options, we ensure every cylinder we create or repair surpasses expectations. We thrive on providing innovative hydraulic cylinder solutions for demanding applications in diverse industries, including marine cranes, drilling rigs, dredging vessels, mining equipment, and Hydro power. Join us in experiencing the DELLNER HYDRATECH difference—where quality meets passion and customer satisfaction is our ultimate goal!

SERVED INDUSTRIES



BRIDGES & MOVABLE
STRUCTURES



CONTAINER
HANDLING



CRANES
& HOISTS



IRON &
STEEL



MARINE
PROPULSION



MATERIAL
HANDLING



MINING & BULK
HANDLING



OFFSHORE



OIL & GAS



PULP & PAPER



WIND ENERGY



THE HIGHEST STANDARDS FOR MAXIMUM PERFORMANCE

With a global headquarters in Denmark, DELLNER HYDRATECH stands as a world leader in hydraulic cylinders, boasting 50 years of expertise in designing, manufacturing, and servicing cylinders for essential applications across the marine, offshore, mining, and industrial sectors.

We understand the costs you have when your equipment is down. That's why it's paramount for us to get your equipment up and running. Whether on-site or in one of our global service facilities, from initial inspection through completed testing, our in-depth experience and successful track record assure you get your hydraulic cylinder when you need it. We offer worldwide field service and repair for **both our own hydraulic cylinders and those manufactured by others.**

SOLUTIONS

HYDRAULIC CYLINDERS

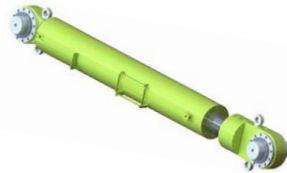
At DELLNER HYDRATECH, we are experts in the design and manufacturing of customized hydraulic cylinders. Our products are developed for special purposes and applications operating in the most difficult environments, while also offering standard programs for multiple industries.



DOUBLE ACTING

Cylinders for Challenging Environments

Engineered for demanding applications like mining, our large bore hydraulic cylinders are built to endure extreme temperatures and feature advanced sealing systems that thrive in challenging conditions. In the mining sector, these cylinders are also utilized in various equipment, including wheel loaders, drilling apparatus, scoop cars, ram cars, shuttle cars, cutting machines, and roof support systems.



DOUBLE ACTING

Cylinders for Lifting or Control

Designed for various applications, these systems play a critical role in hydropower projects by managing water levels essential for flood control and facilitating horizontal shifting gates in laundry presses in industrial settings. These lifting and control solutions are essential for effective resource management, employing precise operations to ensure maximum efficiency.



DOUBLE ACTING
WITH YOKE

Cylinders with Various Mounting Styles

Utilized in a range of applications, including steering systems and manufacturing machinery, such as presses, stamping machines, and robotic arms. These components enable precise and controlled movements essential for manufacturing processes, suspension systems, and hydraulic lifts. They guarantee the smooth and reliable functioning of these systems.



TWO-STAGE
TELESCOPIC

Telescopic Cylinders

Ideal for long strokes with limited space, telescopic cylinders are commonly utilized in mast raising, platform lifts, dump hoists, dump lifts, and pack/eject functions. If your application requires a linear force exerted over an extended distance, these cylinders are an outstanding option for various types of equipment, including dump trucks and garbage trucks.



TRIPLE CYLINDER

Triple Cylinders

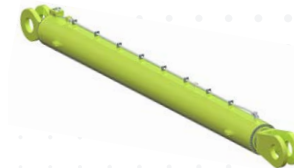
Designed to enable a significantly longer stroke length while maintaining a compact retracted size, making it ideal for tight spaces and high force generation.



DOUBLE ACTING

Wire Line Riser Tensioners

Highly customized tension cylinder coupled with two accumulators and an advanced valve block used to accommodate the relative between a drill vessel floating on the surface of the sea and the fixed riser/drill line at the seabed.



DOUBLE ACTING

Heavy Load Cylinders

Main and Knuckle Boom Cylinders for crane and lifting applications, such as jack-ups, A-frames, dredges, and M.M. These robust cylinders are designed for offshore and marine use, featuring high corrosion-resistant coatings, a redundant seal system, and bolted tops for easy maintenance. Additionally, these cylinders are also meticulously prepared for classification standards.



RANGE OF PRODUCT OFFERINGS

- ▶ Double and Single Acting Cylinders
- ▶ Multistage Telescopic Cylinders
- ▶ Dual and Triple Cylinders
- ▶ Locking Cylinders and Cleating Devices
- ▶ Motion Compensators
- ▶ Chock Absorbers
- ▶ Rotational Dampers
- ▶ Flow Dividers
- ▶ Pipe-Line Motion Compensators
- ▶ Pressure Intensifiers
- ▶ Skidding Systems
- ▶ Double Acting Piston Accumulators
- ▶ And many others

DELLNER HYDRATECH



GLOBAL STRENGTH, LOCAL EXPERTISE

DELLNER HYDRATECH spans across multiple continents, with production and service facilities strategically positioned in Denmark, the USA, India, and Malaysia. This strategic placement enables us to offer first class service, swift response times, an extensive global supply chain, highly skilled local personnel, and minimal downtime through the readily accessible resources of our global network.



COMPREHENSIVE SERVICE OFFERING INCLUDES

- ▶ Repair, overhaul, or upgrade of both our cylinders and all other brands
- ▶ Comprehensive inspection and analysis of all components conducted by experienced hydraulic experts
- ▶ Expert service teams with extensive experience and access to Dellner Hydratech's global knowledge repository
- ▶ Complete in-house machining, sandblasting, painting, welding, and assembly capabilities
- ▶ Service tools for enhanced efficiency
- ▶ Established network of global suppliers and workshops worldwide
- ▶ Overhaul, retrofit, and repair to original specifications or upgrades
- ▶ Detailed documentation featuring a thorough inspection report outlining all findings
- ▶ Reengineering as necessary to extend cylinder life
- ▶ Refurbishment services for cylinders and valve blocks
- ▶ Replacement of all fittings
- ▶ Pressure and functional testing
- ▶ Routine seal replacements or upgrades to the latest seal technology
- ▶ Innovative surface treatments and rod finishes, including:
 - Hard Chrome: Single or Double Layer
 - Nickel + Hard Chrome
 - Hard Chrome on Stainless Steel
 - HVOF
 - Ceramic
 - Laser Cladding
 - Stainless Steel



MANUFACTURING CAPABILITIES

- ▶ Bore Sizes up to 30"
- ▶ Strokes up to 60 ft
- ▶ Test Pressures up to 10,000 psi
- ▶ ASME approved weld procedures
- ▶ CAD Designing
- ▶ Material Traceability
- ▶ Prototype Development
- ▶ Full Paint Room
- ▶ Sand Blast Room

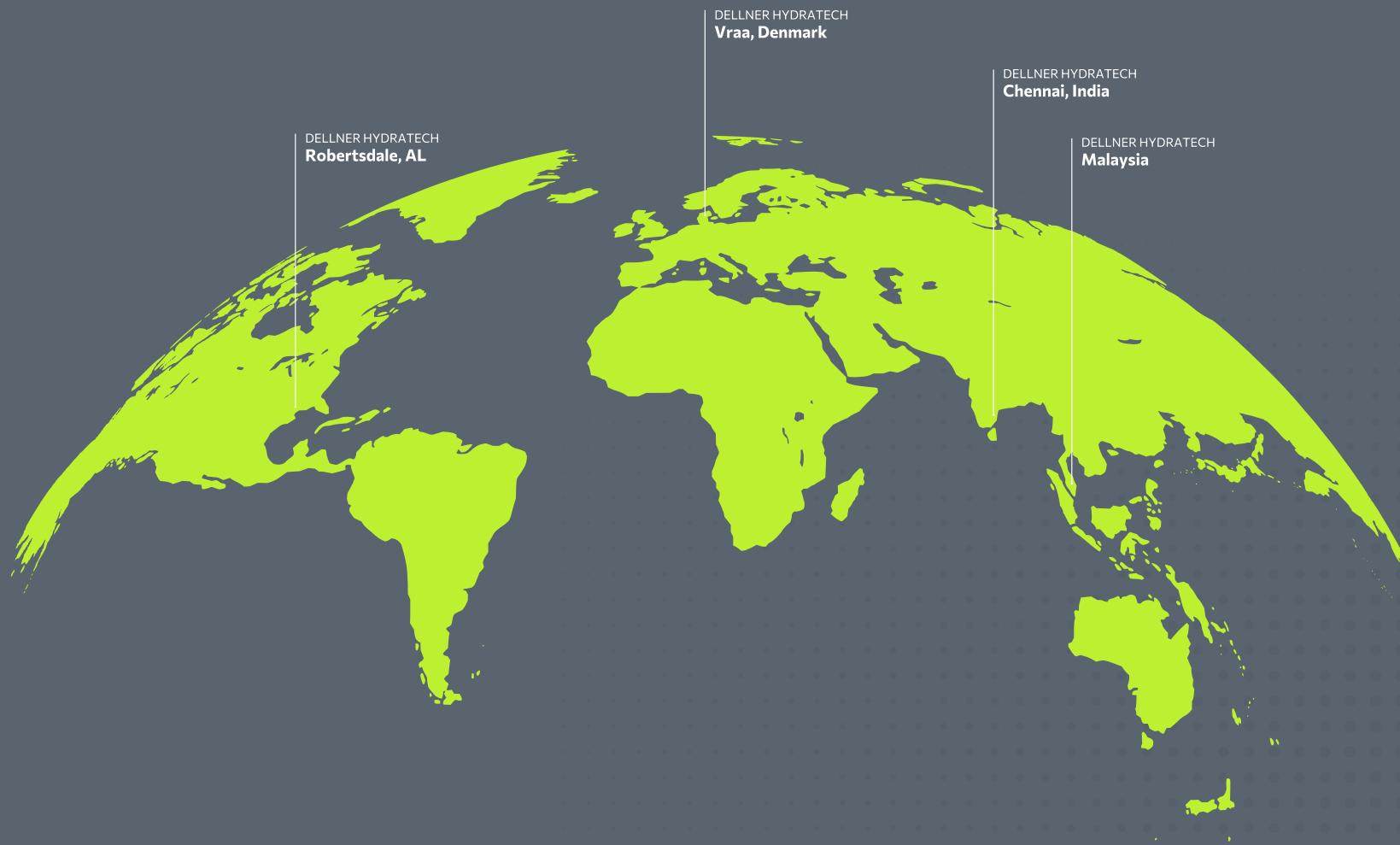


GLOBAL CERTIFICATIONS

MAY BE OBTAINED UPON REQUEST

- | | |
|----------|--------|
| ▶ DNV | ▶ BV |
| ▶ ABS | ▶ PED |
| ▶ Lloyds | ▶ ASME |

DELLNER HYDRATECH



DELLNER HYDRATECH
Robertsdale, AL

DELLNER HYDRATECH
Vraa, Denmark

DELLNER HYDRATECH
Chennai, India

DELLNER HYDRATECH
Malaysia



www.dellnerhydrattech.com