



2019

Hydraulik Nord Group

We create
motion variety

Driven to succeed.

Total revenue 2018

60 Mio €

Number of employees 2018

450

Production locations

**Kempten, Parchim,
Schwerin, Neu-Ulm**

Business areas

**Mobile hydraulics
Industrial hydraulics
Service**

Companies

**KMF Kemptener Maschinenfabrik GmbH
Hydraulik Nord Technologies GmbH
Hydraulik Schwerin GmbH
Litronic Steuer- und Regeltechnik GmbH**

Driven to succeed.

Those who want to successfully reach their goals need the right partner. The Hydraulik Nord Group offers full and pioneering support right from the start. Customized solutions with a high level of quality enable successful innovations.

Established as a leading specialist for hydraulic systems, the Hydraulik Nord Group (HNG) provides individual product solutions for the various challenges. This portfolio is based on a solid foundation from decades of expertise in the development, production and sale of high-quality products from the fields of mobile hydraulics, industrial hydraulics and its accompanying all-round service.

The Hydraulik Nord Group is not just a supplier for its distinguished clients, but it sees itself as an equal partner. With a desire for absolute perfection, we analyze individual needs and then create solutions which truly deserve the term "pioneering".

Thus, the corporate group defines standards and develops them further, making the proximity to the client its priority. Efficient client advice is just as important as a benchmark-setting development division as well as a service team that guarantees long-lasting customer satisfaction.

Our commitment:
Cutting-edge
solutions for our
clients' success.



Dr. Robert Moll

Dr. Karl J. Werner

A handwritten signature in black ink, appearing to read 'Moll'.

A handwritten signature in black ink, appearing to be a stylized 'W'.

Based in Germany, active all over the world

Hydraulik Nord Group: the perfect partner for globally growing markets

The Hydraulik Nord Group stands for top performance at premium level when it comes to the engineering of high-quality hydraulic solutions. The crucial factor is that all processes – from first project planning to the development and further on to the final assembly and subsequent service – are part of the integrated portfolio of the company group. This creates customized products which are perfectly suited to the variety of complex industry requirements.



The Hydraulik Nord Group is an important partner in the region, a pioneering driving force in the global market and a driver of innovation for the whole industry.



The Hydraulik Nord Group is a technology alliance of affiliated medium-sized companies. Since the beginning of the year 2017, the group acts as unit comprising the companies KMF Kemptener Maschinenfabrik GmbH, Hydraulik Nord Technologies GmbH, Hydraulik Schwerin GmbH and Litronic Steuer- und Regeltechnik GmbH. The combined competence of the group not only guarantees proximity to customers and the highest delivery performance, but aims especially for the success of the projects assigned to it. With production facilities in Parchim, Kempten, Schwerin and Neu-Ulm, the Hydraulik Nord Group is on a consistent growth path from the start.

Complete service portfolio of hydraulics

The cooperation of already individually successful companies has created a group which generates competitive advantages against the competition with a wide-ranging product portfolio and customer contacts across its network. With approx. 450 employees, the group covers the whole service portfolio of hydraulics and has established itself as a supplier for complete systems. Many industries benefit from these solutions and make use of the strong synergies within the group.

Wide-ranging product portfolio with high specialization

With a wide range of solutions, the Hydraulik Nord Group is able to supply its customers with customized products which are perfectly suited to a variety of industry requirements. The portfolio ranges from products for mobile hydraulics to products for industrial hydraulics.

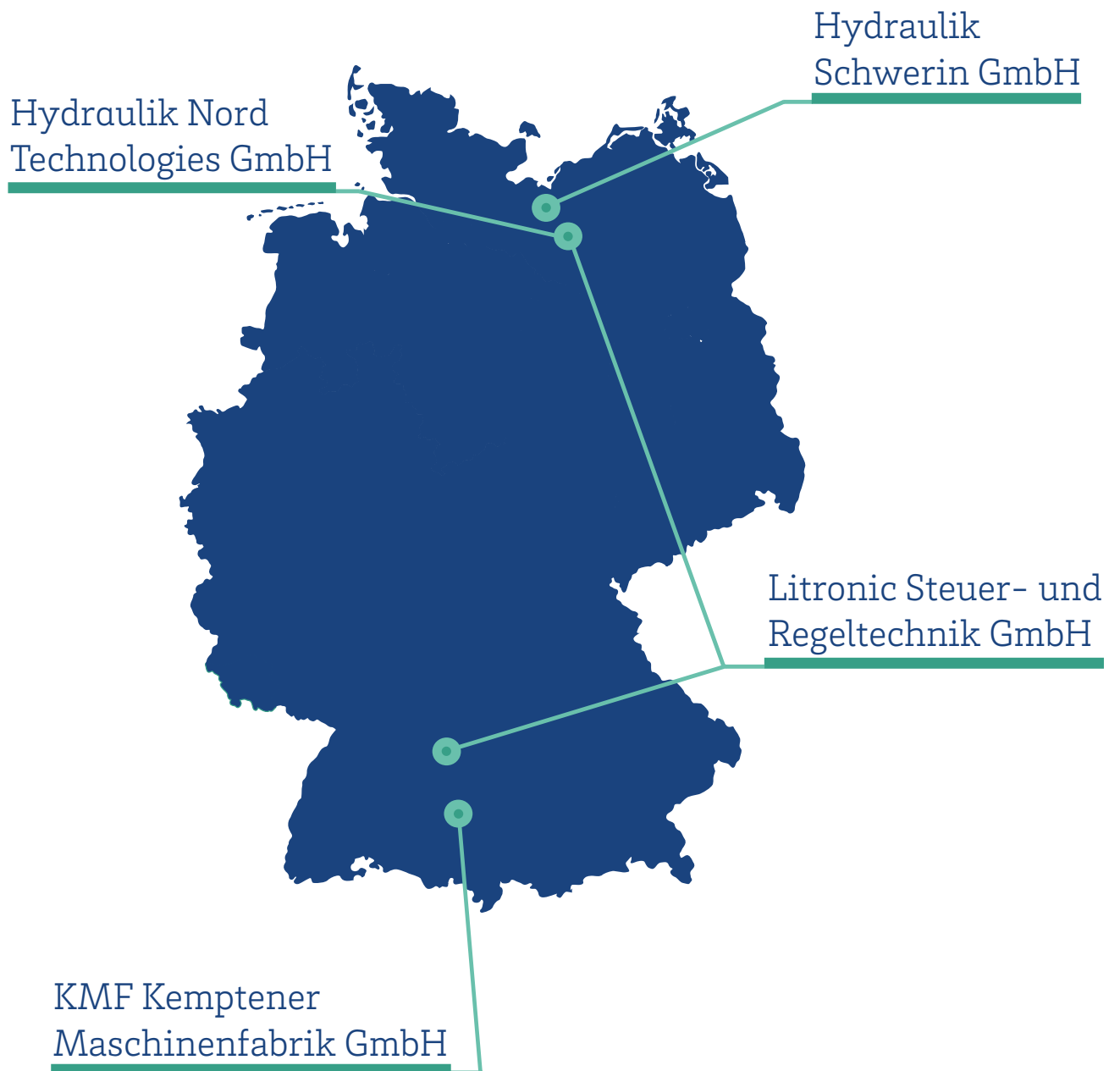
In the area of mobile hydraulics, the group delivers the whole product range of cylinder applications. This also includes steering cylinders, tilt cylinders and suspension cylinders.

In the area of industrial hydraulics, we have long-standing expertise in the project planning and manufacture of hydraulic systems. At the Schwerin location we are highly specialized in the manufacture of hydraulic control blocks in prototype and small batch production. To satisfy the growing demand for electrification in hydraulic applications, Litronic Steuer- und Regeltechnik GmbH is concentrating its expertise on the programming and manufacture of electronic components.

Service quality feature

Alongside competence in the manufacture of high-quality products for mobile and industrial hydraulics, the Hydraulik Nord Group also has got a service team which is highly technically specialized. The client benefits from a service team which handles services such as maintenance work, repairs or system optimization promptly and completely.

PRODUCTION LOCATIONS OF THE HYDRAULIK NORD GROUP



Individually tailored products for each specific requirement

Mobile hydraulics with the highest level of flexibility

A high manufacturing depth that combines all the processes under one roof guarantees innovative solutions in mobile hydraulics. This creates products that achieve top performance in numerous industries.

The Hydraulik Nord Group portfolio comprises a variety of mobile hydraulics solutions. These include innovative applications for commercial vehicles from the agricultural and construction machinery industry, forestry, municipal and the material handling sector.

As a system supplier, the company group develops individually tailored products for each specific requirement according to the client's specifications. In-depth consulting and continuous support in all project phases are included here. All work stages completely take place within the company group. Combined with detailed test procedures and the final validation by the client, the Hydraulik Nord Group consistently achieves outstanding product quality.





Agricultural vehicles on the right path

Compelling play – on any field


Innovative hydraulic cylinders from the Hydraulik Nord Group offer optimal conditions for the challenges of a globalized world of agriculture.

The modern agricultural sector is shaped by constantly growing demands for productivity, cost pressure and economical and technological advances. As a specialist in complex solutions, KMF Kemptener Maschinenfabrik provides great advantages for manufacturers of agricultural machines in all areas of application – from large area mowers to turnip and potato harvester. Tractor manufacturers also rely on the systems of the Hydraulik Nord Group.

The Hydraulik Nord Group stands out from the competition especially with its innovative hydraulic cylinders, which can be manufactured from one piece with the integrated piston. All the self-manufactured piston rods are 100 percent hardened inductively and plated with two layers of hard chromium in the electroplating facility at KMF Kemptener Maschinenfabrik. With this extensive in-house manufacturing, the Hydraulik Nord Group sets the standard in this sector.

Swivel system for crop tube





Special specifications	With specific valve system
Use	Swivel system for crop tube
Applications	



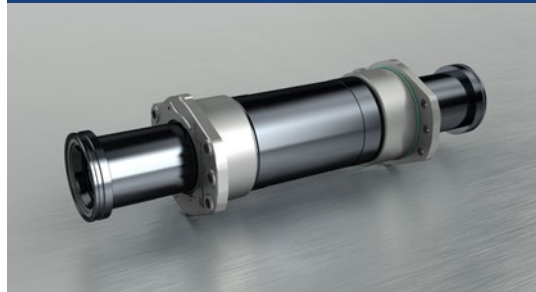
You can find the data sheets for the illustrated products at www.hn-group.com.



Suspension cylinder



Special specifications	Double sealing systems, rod and piston from one piece
Use	Suspension cylinders for front axles
Applications	 

Steering cylinder



Special specifications	For high side forces, very special sealing systems
Use	Front axles with independent damping
Applications	 

Heavily loaded piston rods with firmly bonded fruit sugar and strong heat exposure are typical features of harvesting technology components. Ejection cylinders for mowers, steering and lifting cylinders for self-propelled vehicles and other developments by KMF Kemptener Maschinenfabrik are especially conceived for these functions.

Great lateral forces and heavy contamination create special requirements for the hydraulic components for agricultural and construction machinery. The KMF portfolio contains efficient solutions, including those for cultivators, mulchers and plows, which are used with the turf downwards.



Maneuvering construction vehicles to the point

New dimensions of construction freedom




The Hydraulik Nord Group manufactures high-quality hydraulic components for a variety of mobile applications.

Construction machinery is just one of the many areas of application of Hydraulik Nord Group cylinders. For vehicle brakes, the KMF develops and produces hydropneumatic

actuating cylinder as well as special suspension and damping systems.

Parlock brake cylinder



Special specifications	Hydraulic brake cylinder with special springs, handbrake systems
Use	Activating cylinder for wet brakes
Applications	  

The Hydraulik Nord Group is an important partner in the region, a pioneering driving force in the global market and a driver of innovation for the whole industry.

KMF Kemptener Maschinenfabrik GmbH

- Specialist for hydraulic cylinders and assemblies
- founded in 1954
- based in Kempten
- 8.000 m² production area
- certified according to DIN EN ISO 9001:2015, DIN EN ISO 3834-2, DIN EN 16247-1

KMF Kemptener Maschinenfabrik

As a successful supplier of hydraulic components in the commercial vehicle industry, KMF Kemptener Maschinenfabrik develops and produces hydraulic cylinders for agricultural and construction machinery, quick release plates for wheel and telescopic loaders as well for commercial vehicles and customer-specific hydraulic assemblies. In short, KMF knows – literally – how to get things moving.

Specialist for mobile hydraulics


Through joint developments with brand manufacturers such as AGCO (FENDT, MASSEY FERGUSON), CLAAS, DANA, HORSCH, LEMKEN, KRONE, RAUCH, MAN and WACKER NEUSON GROUP (KRAMER) KMF has established itself as a strong brand and ranks among the specialists for systems in mobile hydraulics.

Innovation

Intense research work and test facilities ensure that KMF can always respond to changing requirements in a flexible and prompt manner with the same quality standards. This way, individual solutions can be permanently improved and future industry challenges can be addressed and solved in due time. The increasing digitalization in applications promotes the development of smart cylinders. KMF Kemptener Maschinenfabrik is driving this topic forward and is focused on trending topics such as synchronized cylinders with displacement measurement. This urge for innovation makes the company a driving force of the industry and an important partner of leading machine manufacturers.

Hydraulic quick hitch



Special specifications	Integrated cylinder function, special welding seam
Use	Quick hitch for wheel and telescopic loader
Applications	

To allow for the change of accessory equipment from the driver's cab, KMF provides quick-release plates manufactured in-house.

The hydraulic quick couplers provide a convenient solution for changing implements of agricultural and construction machinery. Years of experience in production ensure the highest quality and reliability. The piston rods used for coupling and locking are manufactured in-house. It draws on the know-how from the cylinder production that has existed since 1957. The design and construction are always developed and approved in close cooperation with the

customer. The required key technologies such as inductive hardening, plunge and continuous grinding, finishing, double-layer hard chrome plating and teflon coating are available in-house.



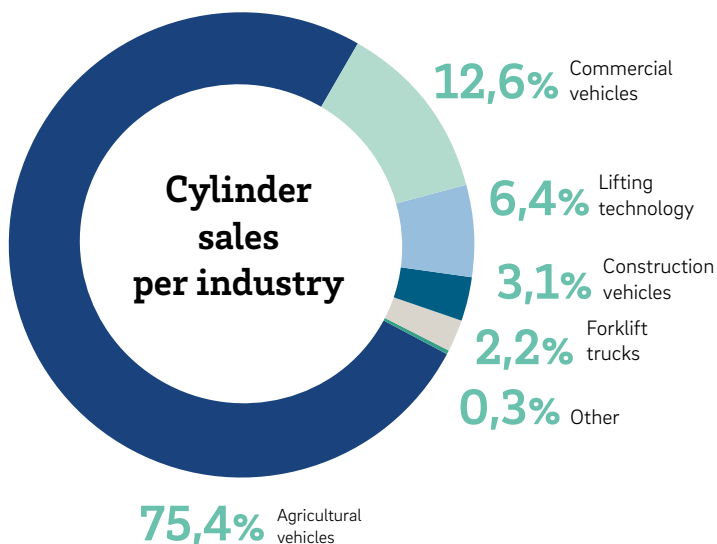
Municipal vehicles in operation round the clock

Neat work all the way

Manufacturers of municipal vehicles rely on efficient solutions from specialists – maintenance-free and low-wear.

Years of experience as well as contamination resistant, maintenance-free and low-wear developments make the Hydraulik Nord Group a reliable and sought-after partner for distinguished manufacturers of municipal vehicles.

You can find an overview of all the possible areas of application of our innovative portfolio on the final page.



The bundling of all integrated companies results in products that are perfectly interlinked. This is the foundation for the growth of Hydraulik Nord Group.

Image 1 Share of sales of KMF Kemptener Maschinenfabrik

Secure forestry machinery in any situation

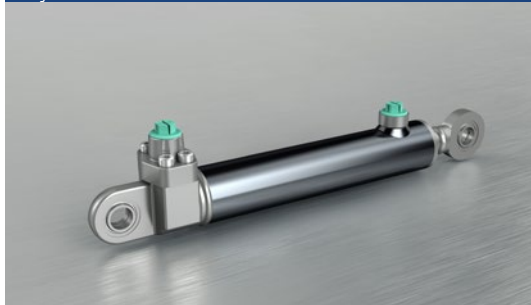
Through woods and meadows with ease

The global demand for raw materials is increasing and is intensifying technological competition. In order to successfully rise to the challenges, we need much more than standard systems.

Machine manufacturers benefit from the use of the high-quality hydraulic components of the Hydraulik Nord Group from our years of expertise and high quality assurance. Individually developed solutions prove their worth in forestry machines, even on difficult terrain, and enable maximum precision, even in sloping positions.

The markets are as varied as the application opportunities of the Hydraulik Nord Group hydraulic components. Therefore, the specific needs of western European and North American clients can be met just as well as the requirements of the growing markets in Asia.

Cylinders with measurement system



Special specifications

Integrated measurement system, hardened piston rod, special sealing system

Use

Suspension and damping of cabins

Applications




For the ideal handling of lateral forces which are created by cabin suspension on uneven terrain, the company develops and produces high-performance damping cylinders for commercial vehicles.



Logistics and storage which move with the times

Brought straight to the point

The logistics industry is booming and recording increasing revenues. The steering system solutions of the Hydraulik Nord Group guarantee precision, speed and durability – the best qualities if you want to have the decisive upper hand in a round-the-clock competition.

Special specifications	Cylinders for big side forces, hardened piston rods
Use	Agriculture machinery, tractors, municipal vehicles
Applications	



You can find the data sheets for the illustrated products at www.hn-group.com.

Cylinder family for fertiliser and field cultivators



Forklift trucks are one of the many application areas of the Hydraulik Nord Group. You can find an overview of all the possible areas of application on our website www.hn-group.com



Hydraulik Nord Technologies GmbH

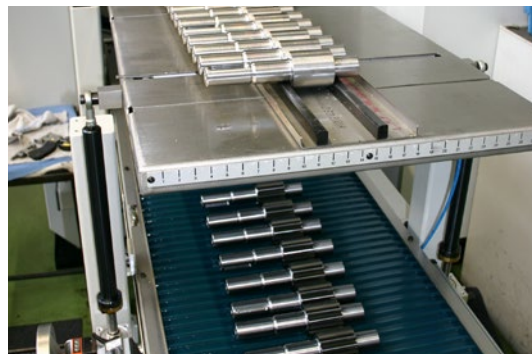
- Specialist for the production of components for internal gear and vane pumps as well as complete pump production
- Part spectrum manufactured since 1996
- based in Parchim
- 3.000 m² production area
- certified according to DIN EN ISO 9001:2015 and DIN EN ISO 50001

Hydraulik Nord Technologies

Hydraulik Nord Technologies (HNT) stands for highest precision, innovation and flexibility in the production of high-precision pump components, such as pinion shafts, gears or rotors for internal gear and vane pumps. Since 1996, manufacturing techniques and processes have been continuously optimized and developed to meet the increasing performance and cost requirements of today's pumping systems. With the investment offensive in the machinery, the foundation for new and challenging projects is created. High-precision gear hobbing, internal and external cylindrical grinding as well as finishing are just as much a part of HNT's manufacturing expertise as the creation of highly accurate internal gearing by broaching.

Core technologies of HNT

- Hobbing of external teeth
- Gear grinding
- Broaching internal gears
- Internal and external cylindrical grinding
- Turning and milling
- Lapping and finishing
- Deburring and wet sliding



↑ In addition to the ring gears, the HNT also manufactures high-precision pinion shafts and filler pieces for internal gear pumps. In addition, rotors and control discs for vane pumps are produced in Parchim.

High-precision
manufacturing
technology
"Made in Parchim"
as basis for
cutting-edge
Innovation.



Pinion shaft



↑ Pinion shafts with external milled toothing can be made up to module 5. For particularly high demands there is the possibility of tooth flank grinding.

Internal gear



↑ Ring gears with cleared internal teeth are highly stressed components with special requirements on the accuracy of toothing and on the surface quality of the running and sealing surfaces. The HNT has many years of experience in the production of ring gears for optimum pump efficiencies.

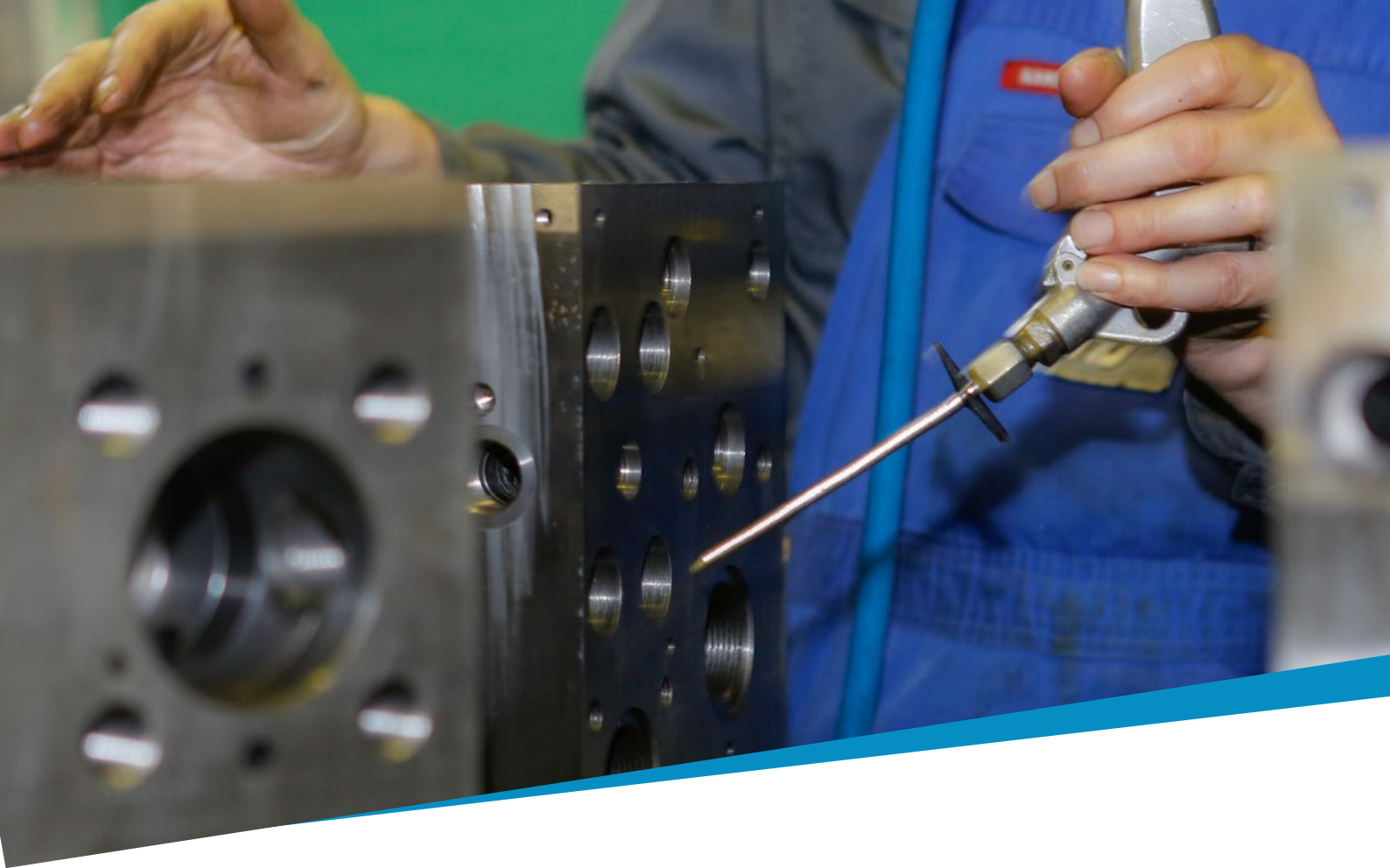
Solid expertise,
longstanding experience
and the strive to
always provide our
clients with best-practice
solutions are the basis
for sustainable
competitiveness.

The company has advanced assembly and testing possibilities for the manufacture of complete pumps for our customers.

Close communication is the basis for long-term customer-supplier relationships with the world market leaders in the sector of internal gear and vane pumps.

Our growth opportunities and visions call for constant further training of our specialists and executives. This is true, all areas of the company.

In close cooperation with the universities of Mecklenburg-Vorpommern and the Fraunhofer Institute Rostock, innovative projects are continuously being generated. This approach creates jobs for skilled workers and academics in Parchim and pursues the latest manufacturing technologies.



Various application fields require flexible solutions

Customized solutions for industrial hydraulics

Thanks to its longstanding expertise in industrial hydraulics, the Hydraulik Nord Group provides the entire range of services in individual or batch production. Individual customer requirements are always the main priority when it comes to project planning, engineering and production.

Longstanding experience and extensive technical expertise are at the core of the successful development of industrial hydraulics with a wide range of application. Individual solutions are developed and implemented by the Hydraulik Nord Group with the highest quality standards according to the specific requirements of various industries.

The possible uses of hydraulic power units are very diverse. All the work stages necessary are carried out within the company. This ensures fast coordination, a production

from a single source and swift completion with simultaneous profitability.

Companies in steel production and processing, automotive, wood and paper industries and recycling benefit from this high efficiency.

Hydraulik Schwerin GmbH

- Specialist for hydraulic control blocks and power unit production
- founded in 1971
- based in Schwerin and branch office (Service) in Wildau
- 3.000 m² production area
- certified according to DIN EN ISO 9001:2015, DIN EN ISO 3834-2, AD 2000 data sheet HPO

Hydraulik Schwerin

Since its foundation in 1971, Hydraulik Schwerin has stood for competence and expertise in block production. The consistent development of products and thus of the company have become a brand name which establishes Hydraulik Schwerin as a highly efficient and innovative specialist in the engineering of hydraulic systems, controls, tube sets and services.

All-round support guarantees satisfied customers

The high manufacturing depth of Hydraulik Schwerin makes it all possible: All work stages are closely linked, from the first project start to the final installation. For a smooth use of the products, careful testing of the initial setup as well as long-term services are part of further developments. The company thus establishes itself as a reliable partner and ensures high customer satisfaction.

Block production with tradition

Hydraulik Schwerin has stood for excellent expertise in valve block production and power unit construction for more than 40 years. Thanks to its high manufacturing depth and innovative capacity, the company ranks among the leading providers of industrial hydraulics. The three business areas of valve block production, power unit construction and services are the foundation of Hydraulik Schwerin, and at the same time define the dynamics of its future business development. A highly modern plant, constant optimization of production methods and permanent employee development ensure that the company makes control blocks according to its own design or manufactures products according to customer specifications with the highest quality standards. The control blocks are also used in hydraulic power units. These are designed and produced based on customer requirements.

Customized control blocks for complex hydraulic systems

From individual to series production, Hydraulik Schwerin has specialized in hydraulic control blocks. Its portfolio comprises products up to a unit weight of 9.5 tons and an edge length of 2,400 millimeters. The company also manufactures complex individual blocks and can process more than six surfaces.

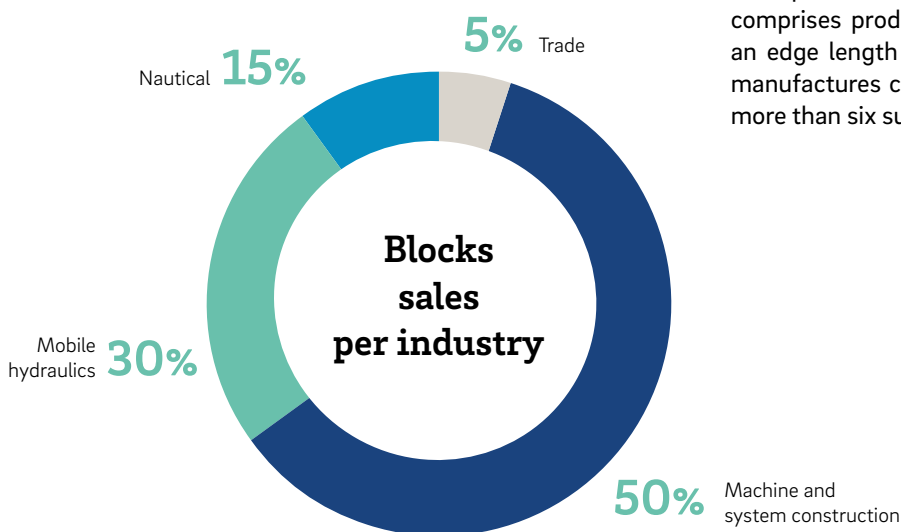


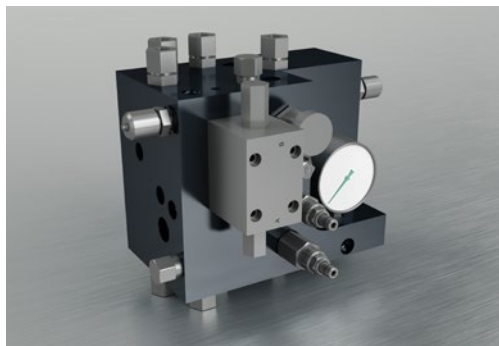
Image 2 Share of sales in block production of Hydraulik Schwerin



Flexible molding for the steel industry

Designing strength successfully

The application areas in the steel industry are as varied as the industry-specific solutions of the Hydraulik Nord Group. Individually designed and with the highest quality standards, the power units become the driving force of the entire business sector.



↑ The portfolio of Hydraulik Schwerin GmbH comprises control blocks up to a unit weight of 9.5 tons and an edge length of 2,400 millimeters.

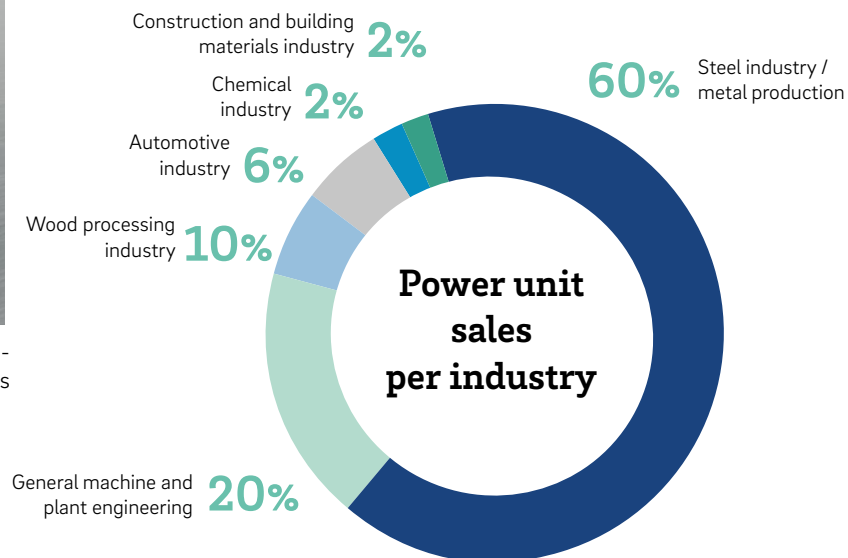


Image 3 Share of sales in power unit construction of Hydraulik Schwerin



Precision work on sluices and floodgates

Hydraulic steelwork for moving traffic

The products of the Hydraulik Nord Group provide the required protection. Precision and a high processing quality are the foundation of success.

Tube sets



Precision and quality from the first development approach to the final installation

Outstanding service from the first development approach to the final installation – this is what Hydraulik Schwerin stands for. Precision and top quality are the trademark of control blocks and hydraulic power units. This is possible because all the work stages are carried out within the company. This ensures short coordination methods, a production from a single source and a swift completion.

It doesn't matter if it's contract manufacturing, a short-term project-related engineering, a commissioned production or a completely fitted control block. Our experience and competence make our company a reliable supplier of high-quality hydraulic solutions.

High-quality hydraulics for the wood and paper industry

Precision up to the smallest fiber

Expertise, longstanding experience and an absolute attention to detail are necessary for the robust raw material to make a delicate finished product. The solutions of the Hydraulik Nord Group combine these three conditions in an impressive manner.

Various application fields require flexible solutions. For this reason, Hydraulik Schwerin makes hydraulic power units for stationary use. Components such as pumps, engines and valve technology of renowned manufacturers are used. Individual customer requirements are always the main priority when it comes to project planning, construction and production.

Hydraulic systems



↑ Hydraulic systems can be manufactured in a compact structure or in special customer-specific models.



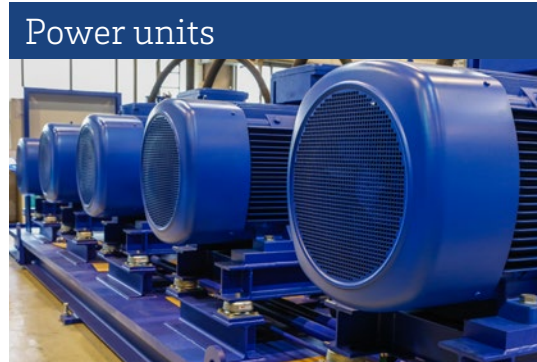
High-performance automation solutions

More drive for production lines

As the motor of the economy, the automotive industry is of strategically significant importance. The solutions of the Hydraulik Nord Group ensure that it keeps booming.

Alongside its competence and decades of experience, its expertise in installation also makes Hydraulik Schwerin clearly stand out from the competition. Extensive knowledge in the interaction of hydraulic components ensures a smooth commissioning of the plant. But that's not all. Permanent system controls are carried out on request as well as device optimization, arising maintenance works or troubleshooting in case of occurring faults.

Power units



↑ Customer requirements are always the main priority at Hydraulik Schwerin in the project planning, construction and production of hydraulic power units.



Litronic Steuer- und Regeltechnik GmbH

- Specialist for automation and drives technology
- founded in 1977
- headquarters in Neu-Ulm with branch in Parchim
- 2.200 m² production area
- certified according to DIN EN ISO 9001:2015

Litronic Steuer- und Regeltechnik

Litronic, with its locations in Neu-Ulm and Parchim, is known for its reliable and innovative solutions. The company has been equipping industrial systems and machines with electronic control and drive technology for over 40 years. The range of services includes customer-specific electronic assemblies, function modules and drive technology as well as complete automation solutions which are used in various industries worldwide. The production takes place exclusively in the own enterprise.

The headquarter in Neu-Ulm mainly focuses on areas where complex control functions, synchronous and proportional motion, exact synchronizing, high cycle rates and special motion patterns and functions are required. The specialty of the branch in Parchim is the production of precision mechanic products, the assembly of electro-

Range of services Neu-Ulm



nic boards, the assembly of electronic systems and the construction of test equipment. An R&D department and a machining center support the production. Due to the extensive manufacturing equipment and the competent staff, a flexible response to customer requirements is always guaranteed.

Years of experience and the continuous development of products and services make Litronic Steuer- und Regeltechnik GmbH a specialist for specific applications.

Range of services Parchim

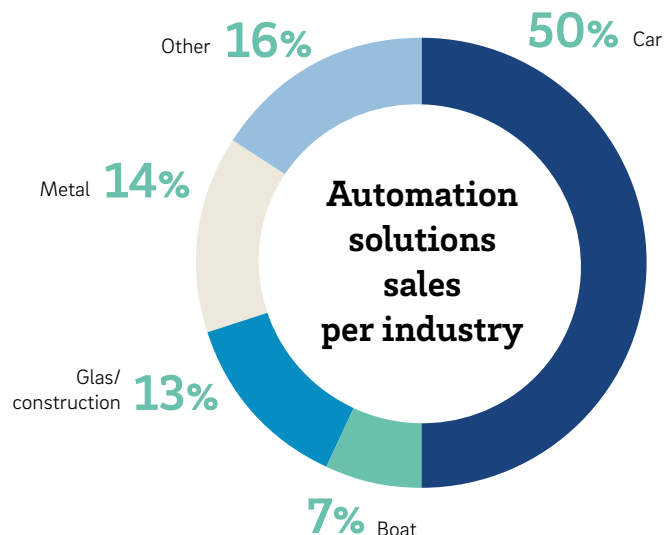
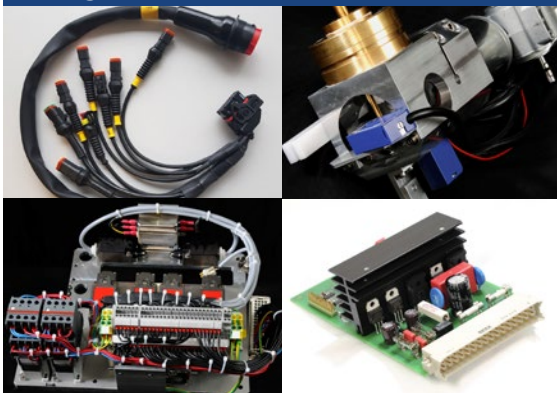


Image 4 Share of sales of Litronic Steuer- und Regeltechnik (Neu-Ulm)

Long-term success is achieved through continuous technical support

Service is our competence

The Hydraulik Nord Group is a long-term partner. With a constant development of service skills, the group always meets these requirements.





↑ In operation for you around the clock: The service team of the Hydraulik Nord Group

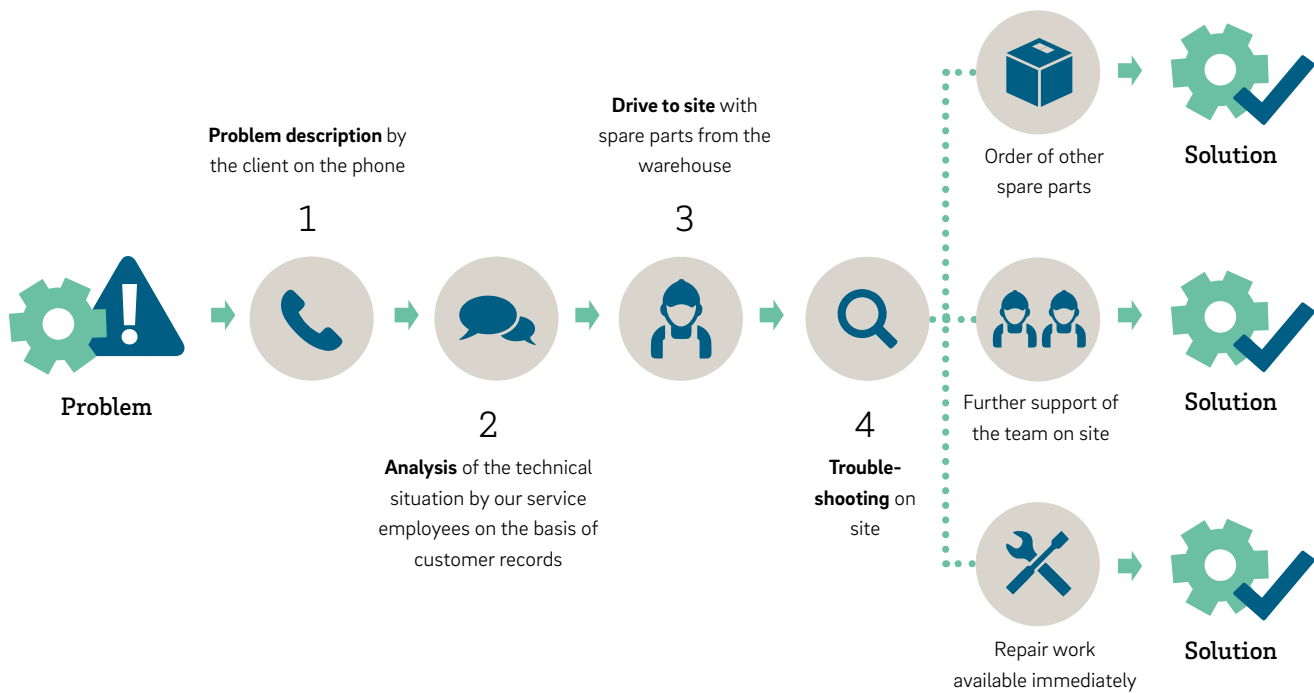


Image 5 Service provision sequence for industrial hydraulic systems

The offered services include various service work on oil-hydraulic systems. The range of services includes preventive system control, system optimization, troubleshooting or also maintenance work. Other services are laboratory-assisted oil analyses, refueling service, mobile bypass filtration, general technical consultation as well as repairs of oil-hydraulic components of different manufacturers such as pumps, engines, cylinders, valves.

This way, alongside competence in the manufacture of high-quality products for mobile and industrial hydraulics, the Hydraulik Nord Group also impresses with a service team which is highly technically specialized. The company group is thus extensively available to the client with its whole range of skills, from the first conception to continuous support with the systems in full operation.

Committed to quality – for the sake of the environment

Our clients can rely on the uncompromising quality of our products and services.

The clients and partners of the Hydraulik Nord Group require the highest levels of precision and quality. In order to meet the expectations and demands placed upon us for perfection, functionality and sustainability, we regularly test our quality and environmental management processes via an independent certifying body.

The standards in the processing of precision parts, components and assemblies achieve outstanding quality, even when they are manufactured in large amounts. Complex and interconnected manufacturing technologies, a highly specialized plant and a qualified management system guarantee perfect results.

Smart environmental management is an integral part of the Hydraulik Nord Group's business philosophy. Committed to using valuable resources sparingly, the use of water and energy is continuously optimized. Business-wide energy management contributes to the optimization of the manufacturing processes. The systematic disposal of waste, sorted by raw material, makes recycling more efficient.

Certifications of the HNG

KMF Kemptener Maschinenfabrik	ISO 9001 ISO 3834-2 Energy audit certificate
Hydraulik Schwerin	ISO 9001 ISO 3834-2 AD 2000 data sheet HPO
Hydraulik Nord Technologies	ISO 9001 ISO 50001
Litronic Steuer- und Regeltechnik	ISO 9001





One group – many career opportunities

The Hydraulik Nord Group provides jobs with good career prospects

There are wide-ranging development possibilities for trainees as well as further training offers for established employees in the entire group. Because excellent products are only created by technically specialized and motivated workers.

Exciting jobs with an eye for detail

The Hydraulik Nord Group offers diverse jobs with a wide range of duties. Exciting challenges and an eye for detail characterize the employees' everyday work. Job security is high – thanks to our longstanding establishment on the market as well as the growth-oriented company strategy. This is promoted by state-of-the-art production centers, which always remain one step ahead through constant investments.

Further training with a technological edge







Permanent specialist training in many future-oriented technological fields and the possibility of further development in the entire company group are provided.

The regional roots to the respective locations and the international orientation of the group create an attractive package. Become part of a motivated and competent team! We are looking forward to your application.

Regular training of our employees ensure high standards of quality across the whole supply chain.







Hydraulik Nord Group Product overview

Mobile hydraulics

		Cylinders										Accessory		
		Double rod cylinder	Double acting cylinder						Single-acting cylinders		Multi-stage cylinders	Special cylinder	Accessory	
		Steering cylinder	Front axle suspension cylinders	Cabin suspension cylinders	Front and Rear linkages cylinder	Tilt cylinder	Dynamic pressure - pulling cylinders	Auto-contour cylinders	Lift cylinder	Plunger cylinder	Telescopic cylinders	Parlock brake cylinder	Depth adjustment cylinder	Hydraulic quick hitch
 Agricultural machinery	Tractor	•	•	•	•		•					•		
	Combine harvester	•	•	•			•	•				•		
	Turnip and potato harvester													
	Seedbed preparer						•				•		•	
	Field sprayer	•	•	•			•		•					
 Municipal vehicles	Snow removal and spreader vehicle				•	•								
	Mini excavator	•		•			•							•
 Construction vehicles	Wheel loader	•	•	•			•							•
	Telescopic handler	•	•	•			•				•			•
	Roller						•		•					
	Road finisher					•	•	•	•					
	Dumper / tipper truck	•	•	•			•				•	•		
	Small digger	•		•			•							•
 Forestry machines	Timber harvester	•	•	•			•							
	Forwarder			•			•							
	Forestry tractor	•	•	•	•		•							
 Forklift truck	Forklift	•				•			•	•		•		
 Special vehicles	Snow groomer			•	•						•			
	Pushback	•	•											
	Loading platform										•			
Accessory	Scrap gripper						•							
	Rubble grabber						•							

Hydraulik Nord Group Product overview

Industrial hydraulics

		Complete hydraulic system	Hydraulic drive aggregates	Control blocks	Tube sets
 Steel production and processing	Open-die forging presses	•	•	•	•
	Hydraulic forging presses	•	•	•	•
	Hydraulic cold impact extrusion presses	•	•	•	•
	Aluminum extrusion presses	•	•	•	•
	Ring-rolling mills	•	•	•	•
	Tamping and drilling machines Furnaces	•	•	•	•
 Automotive construction	Drawing presses	•	•	•	•
	Impact extrusion presses	•	•	•	•
	Lubrication systems	•	•	•	•
	Hydraulic transfer presses	•	•	•	•
 Hydraulic steelwork	Cable stop protection systems	•	•	•	•
	Hydraulic systems offshore			•	
	Hydraulic systems shipbuilding			•	
	Ship loading and unloading systems	•	•	•	•
 Wood and paper industry	Calender hydraulics			•	
	Pack presses			•	
	Presses for OSB and MDF boards	•	•	•	•
 Recycling	Scrap press	•	•	•	
	Shredder systems	•	•	•	
 Construction vehicles	Mining vehicles			•	
	Dumper trucks			•	
	Cranes			•	
	Tunnel boring machines			•	

KMF KEMPTENER MASCHINENFABRIK GMBH

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