



neuson

hydrotec



One Partner - One System - One Responsibility

- Hydraulic- & Drive Technology Components
- Special Machinery & Plant Engineering
- Automation- & Control Technology
- Job Order Production & Service

Neuson Hydrotec GmbH

Products and services „Made in Austria“ with highest international reputation.

With its varied range of products and services, Neuson Hydrotec safeguards the success of its customers by ensuring premium, consistent quality backed by decades of experience which is reflected in perfect solutions for all applications.

As a result of continuous investment and its modern production facilities in Linz and Kleinlobming, Neuson Hydrotec GmbH is one of the leading companies in the Austrian hydraulic and job order production sectors. Neuson Hydrotec GmbH evolved from the merger of the former Neuson Hydraulik GmbH, Neuson Ölfeldschieber GmbH, Reiter GmbH and MPT GmbH, and currently employs a workforce of 250. Shorter process routes, faster reaction times for customers and suppliers and the use of only one central ERP system will in future continue to strengthen the homogenous market presence of Neuson Hydrotec.

Innovative, customised solutions are developed and manufactured in modern facilities, and are appreciated by leading companies in a wide range of mobile and industrial sectors in which controlled hydraulic power plays a pivotal and critical role in work processes. Drive components and mechanical job order production are marked by outstanding economy and reliability, and alongside customer satisfaction are Neuson Hydrotec's main priorities.

Today and in the past, reliable Neuson hydraulic cylinders are crucial to our success, and we are at the forefront of innovation with a range of divisions: hydraulic aggregates, hydraulic plant engineering, special-purpose machines, hydraulic press and motive power engineering systems.

▶▶▶ “... where quality originates“



“Perfect compositions of varying technologies”



Neuson Hydraulics focuses on customer specific solutions that are the driving force behind the long-term success of our company.

►► “13 000 m² packed with productivity”



► Plant Kleinlobming / Styria

Neuson Hydraulics ...

... moves mountains, drives machines, steers vehicles, tips loads, controls production processes and circuits, holds down work pieces, compacts plastics, opens locks, secures crane loads, shapes semfinished products, positions carriages, turns drums, lubricates bearings, raises platforms, ...

... splits wood, tightens cables, bends sheet-metal, draws shapes, straightens profiles, sorts out stocks, opens pipelines, queries parameters in test benches, transports bulk material, vibrates sieves, supports walls, ejects work pieces ...

... is produced in Austria, quality-checked and of international renown.

... a strong brand!



Customers - Markets and Objectives

Customers – Markets and Objectives *“Competently proving the excellence of our mobile and industrial solutions to our partners”*

Held high in esteem by renowned international large-scale customers, Neuson Hydrotec is one of the forerunners in the mechatronic sector.

We are a progressive Austrian supplier of quality products for mobile and stationary applications, a high percentage of which is exported all over the world.

It is our defined objective to improve product and manufacturing quality with full customer orientation, and to become a top global player in the fields of hydraulic & drive system components, hydraulic plants, customised machine engineering, hydraulic presses, systems, automation & control equipment and job order production.

TECHNOLOGY *“Innovative solutions based on experience and reliability”*

Technically perfected solutions, practicality and the low maintenance requirements of our components and overall systems are essential points for our experienced Neuson drive technicians during design and construction.

Decades of mechatronic know-how is at our disposal for process-controlled projects, design and precise mechanical manufacturing through to complex system installations.

Although we do not produce “Swiss clockwork”, our technical teams develop efficient individual solutions with outstanding customisation skills and our unsurpassed Austrian manufacturing quality. Successful Neuson fluid and system technology is developed with 3D software and perfected without compromise.



railway technology
construction machinery
heating engineering and
energy management
timber industry
forest harvester & cranes
plastics machines
machine construction
commercial vehicle industry
recycling



“Enhance your competitive strength with solutions from Neuson”

Mobile and Stationary Drive Solutions

- Certified Quality
- Special Functionality
- Perfect Operation
- Competent and Reliable Support

MANUFACTURING “Series-produced individuality”

Digital design solutions are produced within a very short time with the aid of our ERP system, the partly fully-automated warehouse logistics process and modern CNC manufacturing integration. Qualified mechanical engineers and clever hydraulic technicians implement advanced, individual solutions in practical applications. The high level of customer satisfaction is decisive for the success of our manufacturing skill and products.

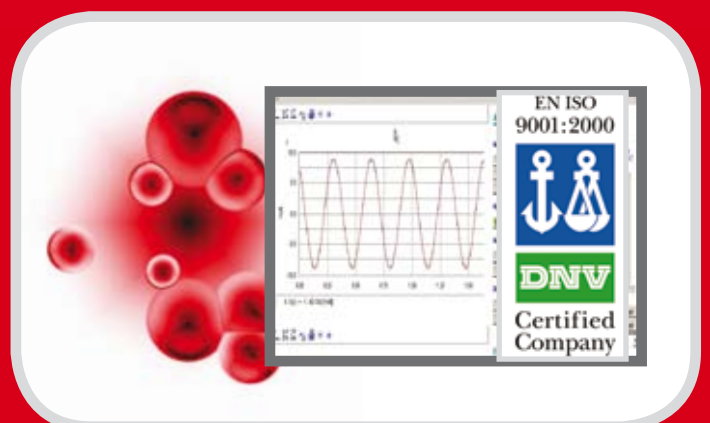
Quality and performance improvements are ensured by the QM system introduced in 2000, which complies with EN ISO 9001 and is implemented from management levels through to the shop floor. Manufacturing experience, quality and flexibility are factors contributing to our economic competitive edge and ensuring long-term customer satisfaction.

R&D – research and development “No future competitive edge without investment”

We focus consistently on research and the development of new products to enhance our continuous success and the mechatronic knowledge we have acquired over decades.

With us you will always be one step ahead in optimising the function and cost of existing processes and also in the development of innovative, networked technological solutions.

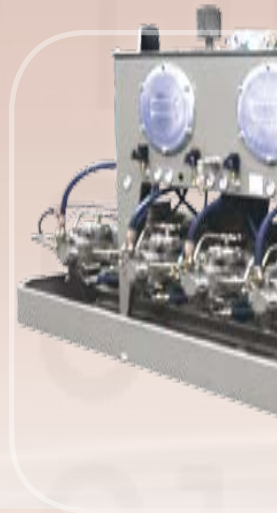
With profitable investment in R&D, superior machines, optimised infrastructures and innovative projects, we evolve energy-saving and technically efficient solutions to meet the needs of our customers, while focusing fully on the individual, technology and the environment.



“Innovative components and services ...



Hydraulic- and Drive Technology Components



Hydraulic Cylinders *“Focused technology”*

With almost 30 years of experience under our belt in cylinder construction, Neuson is the leading supplier in the Austrian hydraulic cylinder market. If you are looking for uncompromising functionality and reliability in hydraulic cylinder supply for machine tools, construction machines, plastic machines and the heavy industry, you will find what you need at Neuson Hydrotec. Neuson Hydrotec has in-depth, specialised knowledge of hydraulic cylinders at its fingertips for high-quality manufacturing technology and applications, making the company one of the leaders in the customised production of small and large hydraulic cylinder series. The outstanding cost-benefit ratio and the high international quality standard are factors which national and international partners especially appreciate.

“Standardised linear power” Our standard series are proof of our decades of experience in production. State-of-the-art CNC manufacturing technology ensures the consistently high level of quality of our cylinder product range to the Neuson works standard. Piston rods of selected materials and coatings guarantee customers function and quality which does justice to the respective application requirements.

“Experience down to the last detail” Our elite team of technicians produces special solutions which are customised with regard to function, medium, timing and environmental influences, ensuring a perfected design and efficient employment of special hydraulic cylinders.

Hydraulic Aggregates *“Versatility is the quality of the best”*

Technically perfected solutions, practicality and convenient service as well as optimisation of your overall system are the main points of focus of our technicians in the design of hydraulic aggregates which distinguish us as reliable partners in this field.

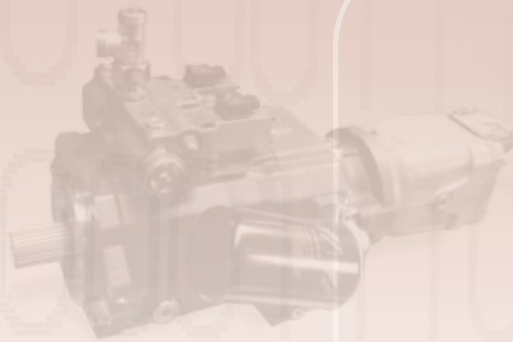
More than 850 hydraulic aggregates leave our works each year! Our range includes professional aggregates for driving, cooling, filtering and lubrication applications. Due to optimum project management, full focus on functionality, consistent standardisation and clearly structured technology, we achieve maximum economy and system availability with our aggregates. The performance and possible applications of our quality hydraulic aggregates are infinite, and these are customised to suit user requirements in an optimum manner, both in the compact and large-scale aggregate ranges.

Sale of Hydraulic & Drive Technology Components *“Exemplary versatility – superiority on the market”*

In addition to our in-house products, we also use high-quality commercial products of renowned manufacturers for ideal applications: direction control valves, pressure and flow control valves, vertical hydraulic connections, screw-in cartridges, prop and servo-valves, mobile valves, electronic accessories, pumps and motors (with axial, toothed gear, wing unit or orbital principles), complete power trains, planetary drives, chassis gear units etc.

based on experience and reliability”

Job Order Production



Job Order Production *“The shape of future success”*

Complete and professional CNC processing, CNC turning, CNC milling, lapping, honing and preassembly of components

With our varied range of services, we safeguard your success by ensuring premium, consistent quality backed by decades of experience for the components we produce. The ideal cost-benefit ratio and the extra edge in flexibility ensure the full satisfaction of our job order production customers.

Neuson has always made a point of relying on highly skilled specialist staff with in-depth knowledge of their trade to ensure full-scope service for our customers. Large-scale investments in state-of-the-art CNC technology and infrastructure underscore our dynamism as an Austrian job order company.

Fully certified in compliance with EN ISO 9001, Neuson Hydrotec uses optimised processes to cater for customers' product and service quality requirements. We always meet the deadlines set by our customers and if required, job orders can be delivered with measurement report documentation.

Complex measurement tasks can also be implemented with our 3D measurement systems in our Linz and Kleinlobming plants where a wide range of modern and fully equipped CNC machines are available for professional job order production.

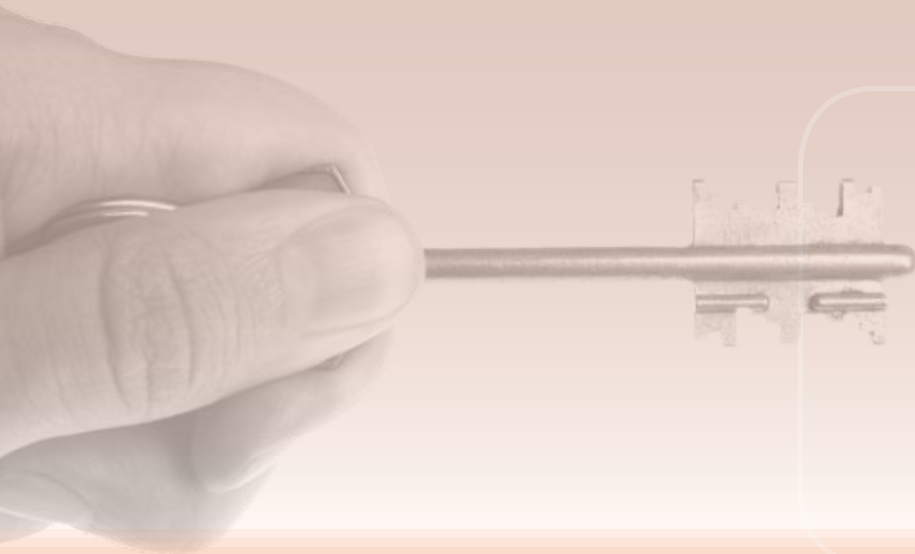
“Each strong brand is founded on hard work and equally hard-won experience!”

Our Neuson premium products and services play a pivotal role in safeguarding the success of our customers and are reflected in their perfect applications on a long-term basis.

“Efficient technological solutions ...



Hydraulic Systems



Hydraulic Systems *“Coordinated fluid power for more productivity!”*

The flexible interaction of mechanical, hydraulic and electronic elements ensures technically perfected power distribution and control and economical productivity of your system. From a stand-alone solution in the steel industry through to fully integrated modular systems in the wood industry – we ensure long-term perfection and a cutting edge performance. Our technicians are experts in meeting the needs of our customers and ensure optimally controllable production flows in your system. Our intelligent technical solutions meet your demand profile with a one hundred percent efficiency and comply with all international production and safety requirements.

Our own teams of fitters install plants and systems all over the world and ensure reliable commissioning and operation. The modular groups can be simply extended to keep pace with your growing production requirements. A sophisticated hydraulic concept and a consistently high performance make Neuson a specialist in the field of central hydraulic systems. Optimised speeds, perfect works integration and uncompromising reliability through to the last detail ensure reliable part transport and perfect functionality. Plant operators can control hydraulic drive capacities of up to 2 megawatts and sensitively control individual drive units or the overall production flow with excellent energy efficiency.



“As an automation professional, ideal networking of processes with our efficient diagnostics and reliable control systems makes us the unchallenged expert in the sector”

which are reflected in function and design”

Special Machines & Hydraulic Presses and Systems



Special Machines and Systems *“Efficient technological solutions which are reflected in function and design”*

Special machines and devices combine know-how and quality which are reflected in the unique design and functionality. Competent technicians create innovative special solutions for a wide range of applications and make you a winner with Neuson Hydrotec.

for all applications in which technical systems require improvement

...

for all applications in which state-of-the-art solutions are not in place

...

this is where our special technology is at home, creating machine and system solutions in which size plays a role, extreme conditions must be withstood, tremendous power is required and a strong standing is needed at a fair price.

Drive concepts which seamlessly and sensitively merge or interact with various technologies with mechatronic interfaces are constantly utilised in our products. Neuson Hydrotec implements mechatronic drive solutions for special machines and devices with outstanding technical efficiency in a wide range of fields, including special drilling unit construction on a crawler track platform, a perfect handling solution for a steel works, excavator conversion, a special underground vehicle and countless other applications.

Hydraulic Presses *“Reliable success and top results with the highest precision”*

High-precision and economical manufacturing processes with repeatable quality and low tooling costs are essential in today's climate of maximised flexibility. The Neuson Hydrotec concept is based on full integration, which is why our hydraulic presses are seamlessly integrated into complete manufacturing systems for optimised workflows.

Our presses for metal powder, calibration, hammer forging, bending, pre-folding, straightening, hot flow and drawing applications as well as extrusion presses for carbon electrodes meet all valid international manufacturing and safety standards.

Experienced Neuson Hydrotec press specialists stand for functionality and an open approach to new, individual hydraulic press solutions. In addition to uncompromising and sophisticated functions, they also guarantee maximum on-spec production and an optimum production flow. Knowledge in the fields of mechanics, fluid power, electronics and control technology and the corresponding experience are more important than ever to maintain our competitive edge in hydraulic and press solutions.

Neuson Hydrotec presses reliably shape metal and powder for optimum results and guarantee our customers maximum profitability.

“Higher dynamics with digital sophistication“



Automation- & Control Technology



Automation & Control Technology *“Higher dynamics and reliable extra performance with digital sophistication“*

Our hydraulic and drive technology provides leverage for your success. True innovation is achieved in combination with the especially coordinated mechatronic systems. In both automation or mechatronic fields – networking of mechanical, fluid power, electrical, electronic, control and information technology in the form of stationary or mobile control units is developed for the customer applications of tomorrow. We have the necessary overall understanding of measured value, sensoric and system parameters (position, pressure, throughput, temperature, speed, electronic variables ...).

Precise diagnostics systems guarantee fully economical control of procedures and work processes, and employ modern logic to achieve considerable enhancement of dynamics and output in production flows and operational applications. Your complete system can be operated with maximum control efficiency with an intuitive operating interface and technically mature software.

Our competent technicians are focused on combining processes and workflows in one profitable overall system with optimised technology and economy. Plant automation is implemented without compromise according to customer specifications with Siemens control systems (ASI-Bus, Profibus and Profinet), with various Pilz safety control units (Safetybus P) and control units from other vendors (based on B&R, Omron and Unitronic).

“As a mechatronics specialist we create your own successful, customised concept and evolve efficient drive technology compositions for tomorrow’s applications”

“Impressing partners with our service competence”

After-Sales & Service



Drive Technology – After-Sales & Maintenance Services

“Your partner for service, repair and optimisation of hydraulic components, machines, overall plants and hydraulic presses”

Our after-sales service division, based in Linz, concentrates on effective spare parts availability, perfect repair and maintenance services. As a reliable and competent service partner we are at your disposal with a product range encompassing 20,000 articles. High-performance test benches for open and closed hydraulic circuits, some of which are fully automated, are ready for testing components or systems. They are designed in accordance with the latest technical findings and enable seamless evaluation of defective and repaired hydraulic components or gear units. Electronic components, amplifier cards, servo-valves and prop valves – both with and without integrated electronics – can be effectively tested.

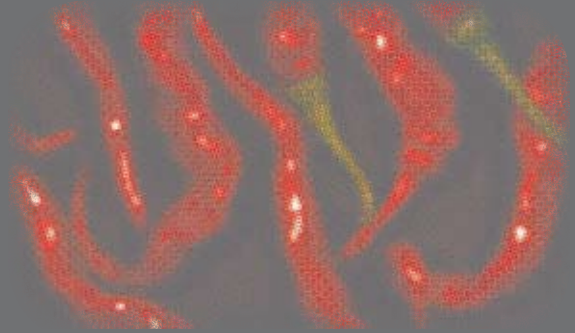
“Customer service and repairs are not just abstract concepts, but practical reality.” With our special structure we are able to react to the wishes of our customers in the machine, plant and system sectors and to provide quick and satisfactory solutions. A specifically trained team of experts with many years of relevant on-site experience operates on a global scale, and has earned its outstanding reputation for excellent maintenance, service and repair at the premises of renowned companies. Energy, wear and medium analyses with the most precise technology, optimised spare parts concepts for minimum costs, preventative maintenance and in-house options

ensure the lowest possible risk of downtimes, thereby reducing expensive system shutdowns considerably. Our maintenance services are documented carefully on work sheets, test and measurement logs. The Neuson Hydrotec service team is equipped to face the most demanding of challenges and is at your side with advice and support at all times.

“Our extensive experience enables us to easily handle other systems and solve complex problems on-site in no time at all.”



“Hot facts and arguments“



Workforce of 250, of these 20 trainees

Access to CNC machines with an investment volume of 19 million euros

Quality management system compliant with EN ISO 9001

40 000 cylinders leave our works each year

More than 850 quality aggregates are produced

Orders are processed in 150 000 mechanical manufacturing hours

44 000 assembly hours are needed for cylinders, plants and machine components

15 000 welding hours for cylinder production, 3 welding robot systems –

welding test book in compliance with ÖNORM M7812

6 high-performance test benches, 4 aggregate test stations and 1 salt spray testing system

Use of fully automatic warehousing systems

General sale of drive technology components from globally leading manufacturers in Austria

Member of the Upper Austrian Mechatronic Cluster

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