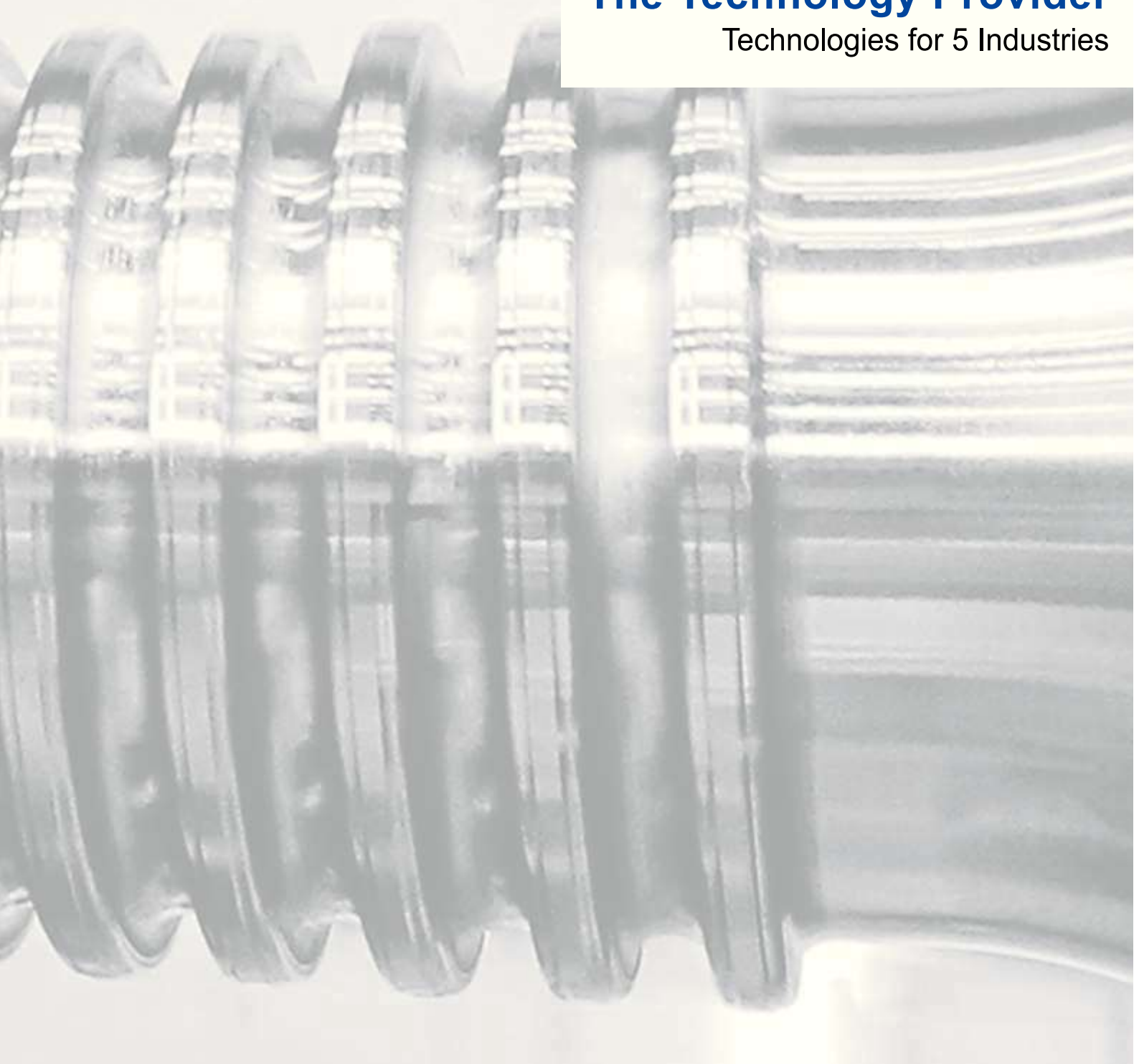




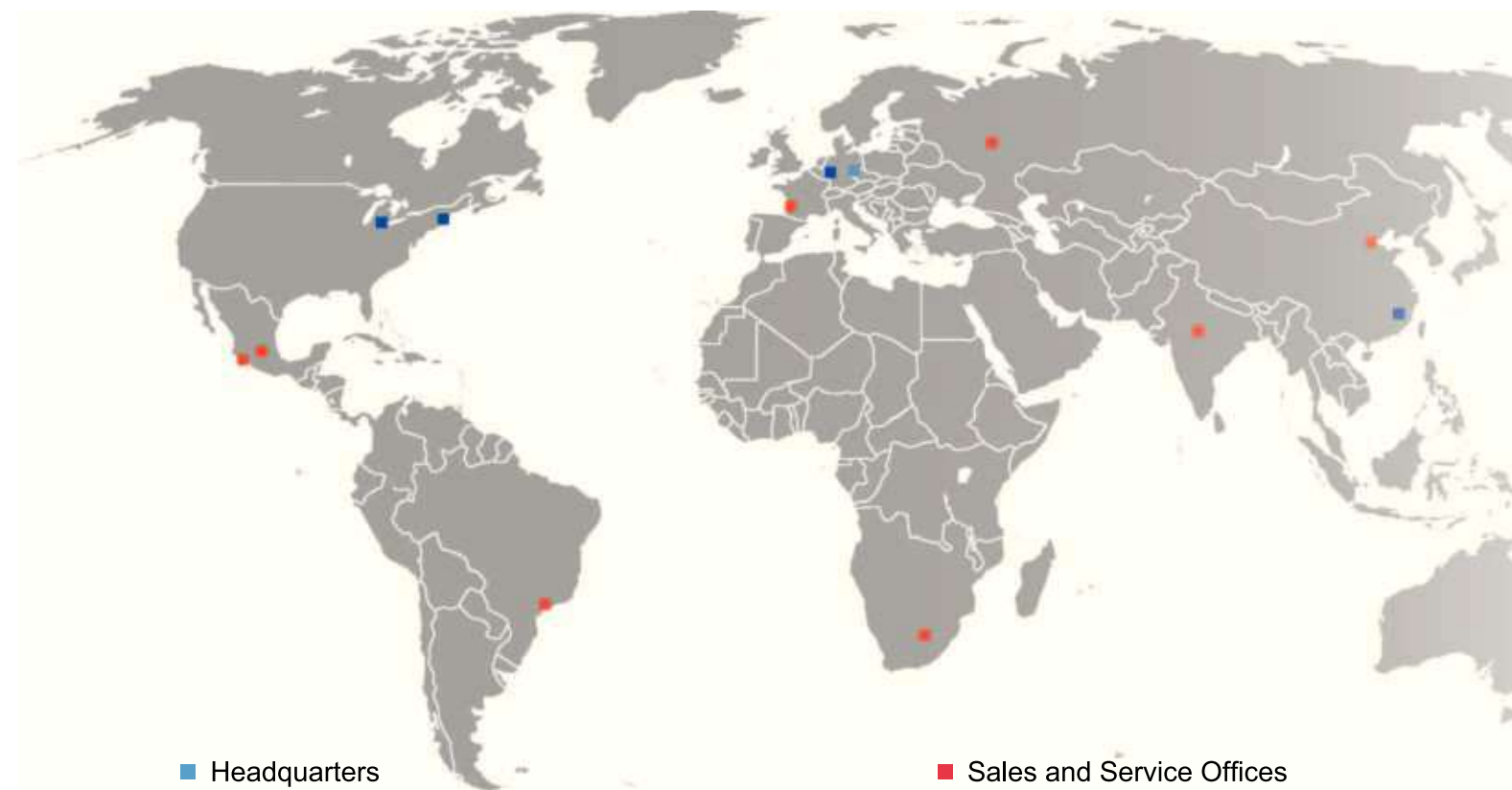
The Technology Provider

Technologies for 5 Industries



NILES-SIMMONS-HEGENSCHEIDT





■ Headquarters

NSH Group - Chemnitz, Germany
a member of VDMA/VDW

■ Production Sites

NILES-SIMMONS - Chemnitz, Germany
HEGENSCHEIDT-MFD - Erkelenz, Germany
SIMMONS MACHINE TOOL Corp. - Albany, USA
HEGENSCHEIDT-MFD - Detroit, USA
NSH-CTI - Nanchang, China

■ Sales and Service Offices

Beijing - China
New Delhi - India
Laperche - France
São Paulo - Brazil
Brisbane - Australia
Guadalajara - Mexico
Queretaro - Mexico
Johannesburg - South Africa
Nizhny Novgorod - Russia





NILES-SIMMONS- HEGENSCHEIDT

Prof. Dr.-Ing. Hans J. Naumann
Chairman and Chief Executive Officer

Ladies and Gentlemen,

Upon takeover of NILES Drehmaschinen GmbH over 20 years ago, the history of a traditional Chemnitz corporate has been continued and the success story of a today's globally acting machine-tool company has begun with its holding company based in Chemnitz.

The way from the lathe manufacturer to the global system provider was embarked on the basis of a medium-sized company and was possible only because experience and creativity of our employees, associated with managerial decisions, have driven the company forward and made it what it is today: **A market leader of machine-tool industry offering special products to 5 industrial branches.**

You as our customer and end-user have always made demands on us and gave the required impetus for a high-grade development of our product portfolio.

Make yourself convinced of the efficiency of the NSH-companies, led by a strong and international management.

We will also be your reliable partner for innovative technologies and products in the future in order to jointly cope with the world-wide competition.

Cordially yours,

Prof. Dr.-Ing. Hans-J. Naumann
Chairman, CEO





In the Aerospace for more reliability.

The commitment could not be higher than to contribute to the reliability of the largest passenger aircrafts in the world. The aircrafts are in daily use to transport passengers to the farthest places in the world. Size and speed make high demands on traffic loads and require new yardsticks to be set in terms of reliability when manufacturing aircraft components.

Up-to-date aviation needs increasingly stronger and lighter materials. Upon constructional design, such highly heat-resistant materials as Titanium or Inconel are ever more in use, besides aluminum and composite materials. That is why the manufacture of components for aviation and aerospace industries makes comprehensive demands on modern machining centres.

Innovative NSH-technologies cope with this challenge and ensure new standards in complete machining of highly complex components, such as Landing Gears, IBR's, Blisks, Casings, Turbine shafts or Rotors.





Automotive
Industry

On the Road for more efficiency.

Utmost productivity and maximum efficiency along with ever shorter cycle times are the requirements of automotive industry. As one of the leading manufacturers of CNC-turning centres and special-purpose machines, we deliver machines for manufacturing of Powertrain components to leading automotive companies and as their Tier 1 Supplier all over the world.

NILES-SIMMONS-HEGENSCHEIDT plans and implements complete production lines for the manufacture of crankshafts, camshafts, and gear shafts from the single part up to the large batch. This competence is based on the synergy of our product ranges and the close co-operation of companies incorporated in the NSH Group with renowned automotive companies.

Thanks to flexible production lines combining modular concepts with novel linkages of machines and workpieces, our customers are enabled to make quick conversions and, thus, to respond efficiently to various market requirements.



On the Rail for more speed.

Imagine you travel a distance of 1,318 km in 4 hours and 48 minutes. Impossible? Not quite! But on the high-speed line from Beijing to Shanghai, you will exactly cover this distance at a speed of 350 km/h.

The appropriate high-speed railway wheels are produced on RQQ Wheelturn vertical lathes made by NILES-SIMMONS-HEGENSCHEIDT and re-profiled and serviced by means of Hegenscheidt technology. So we guarantee utmost safety at maximum speed.

Thanks to the use of joint competences in the field of railcar engineering, the NSH Group is market leader in developing, manufacturing, and delivering machines and lines around the wheelset. Based on our product portfolio, we are the sole company world-wide which is able to plan and to implement automated workshops for the production and repair of wheelsets, completely provided with own technical equipment.





Mechanical
Engineering
Industry

On the Ground for more efficiency.

Mechanical engineering is one of the leading German industries and one of the oldest engineering disciplines. The world-wide standing of Germany is the result of continuous innovations on the basis of an excellent research landscape and a close co-operation between machine builder and end-user. Since the requirements to manufacture complicated workpieces which are competitive are steadily increasing, the products of machine-building industry become ever more complex and, at the same time, must cope with an ever tougher international competition. Our engineers, technicians, and skilled workers create every day new problem-solving approaches in this respect to be always ahead of time.

Our machine series offer customized solutions for machining of medium- to large-size rotasymmetrical workpieces in all fields of mechanical engineering. Starting with various workpieces for conventional power generation on the basis of oil and gas up to alternative wind-power generation, manufacturing concepts are put into practice. Here, it is our concern not only to promote new technologies of power generation but also to use all resources for production and use of our machines and lines environmentally friendly and purposefully. Therefore, we have focused ourselves on the development of machine concepts which stand for sustainability.

NILES-SIMMONS-HEGENSCHEIDT delivers innovative, economic, and energy-efficient solutions for machining of highly diverse workpieces in mechanical engineering with the goal to offer to the end-user a reduction of indirect costs for power and fluid consumption further to direct manufacturing costs.





On the Ocean for more precision.

Perfect interaction between man, material, and technology is required to hold course on the high seas. Thanks to our know-how acquired in the manufacture of highly precise components, we always manage to reach our target in making high-precision machines of best quality available to the end-user. The NSH Group develops and builds high-precision milling centres of the HPM series for tool and die industry, sold all over the world under the MIKRON trademark, for +GF+ AgieCharmilles, a Swiss machine-building company leading world-wide.

The efficient 5-axis high-speed milling technology requires tailored machine performance with maximum speed and utmost precision: dynamics on the one hand, stability and performance reserves on the other. These contrary requirements are combined at best by NILES-SIMMONS-HEGENSCHEIDT and +GF+ AgieCharmilles – Swiss quality Made in Saxony.

- NILES-SIMMONS
- HEGENSCHIEDT-MFD
- HEGENSCHIEDT-CORP
- SIMMONS-MTC
- NSH-CTI



Quality made in Germany.

Our commitment includes development and manufacture of machine tools, special-purpose machines and complete technological solutions with the objective in mind to deliver long-life production machinery of utmost precision to implement latest technologies.

The companies of NILES-SIMMONS-HEGENSCHEIDT Group cannot only fall back on highly qualified personnel and long-term experience at their production sites but also on a considerable part of their own competence in manufacture. Innovations achieved both from own development efforts and an excellent German research landscape as well as a close co-operation with universities and institutes, such as for instance the Chemnitz Technical University, RWTH Aachen or Fraunhofer Institute IWU Chemnitz and Dresden, are steadily incorporated in the products.

The combination of latest results achieved in research and technology development with the virtues of German machine builders and intensive training of junior staff stand for „Quality Made in Germany“ with NILES-SIMMONS-HEGENSCHEIDT.

NILES-SIMMONS-HEGENSCHEIDT – Quality since 1833.



efficient. innovative. highly-competitive.



5 Production
Sites plus
9 Sales and
Service Offices

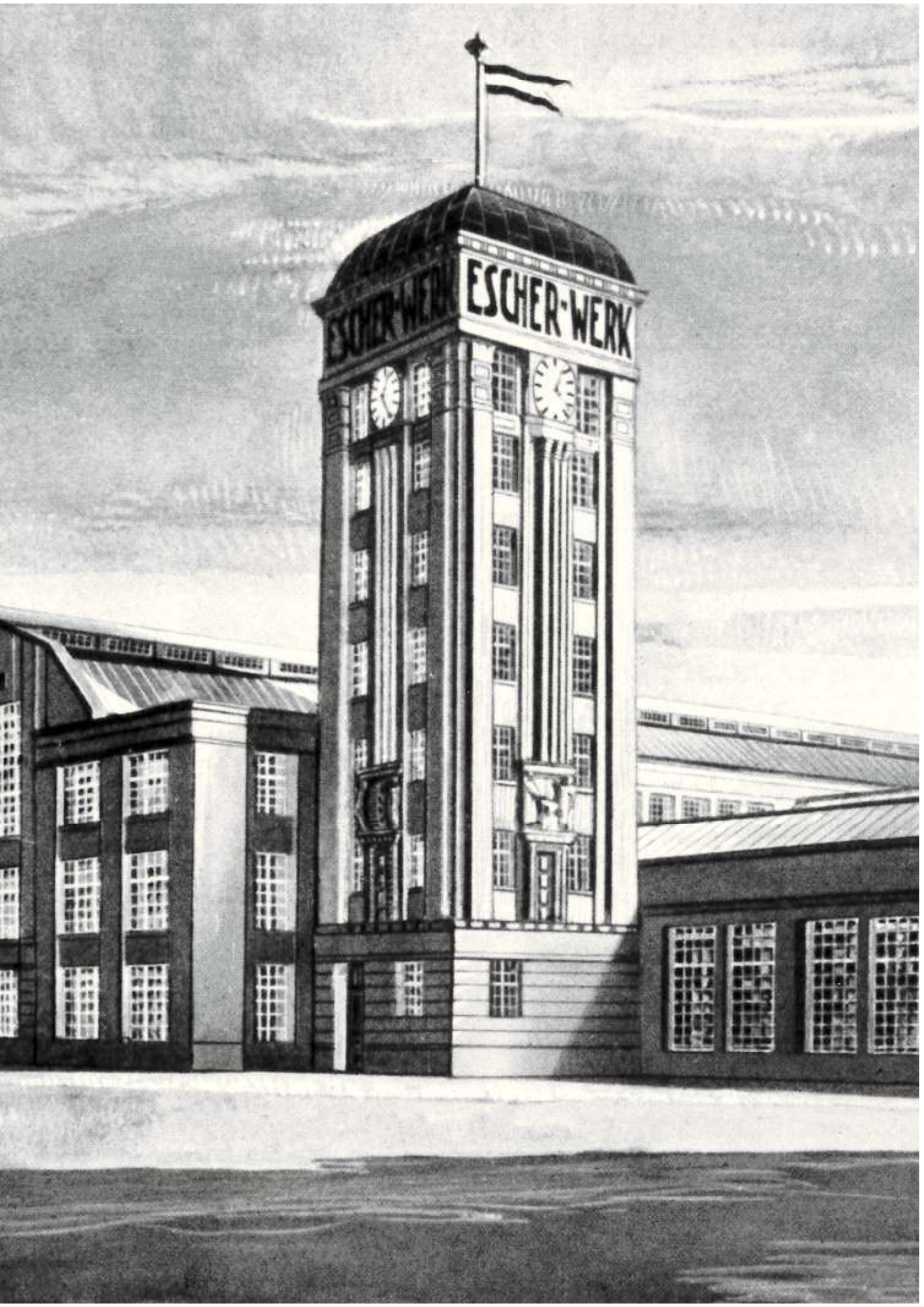
World-Wide Service for your success.

Enhancement of their comprehensive competitiveness is ever more in the foreground of our customers and not only the individual solution of a manufacturing job or a technological problem. The international supply chains integrating our customers require utmost availability at as low unit costs as possible. Such costs will not only depend on the investment but also on the total costs for use and operation of our equipment; the so-called TOTAL COSTS OF OWNERSHIP.

With a sequence of measures and new ideas, we, as machine manufacturer, enter into an alliance with our customers in this respect. Our detailed ranges of services offered reach from user-oriented training courses via maintenance and service packages up to an integral Product-Life-Cycle-Management. We use latest IT-concepts and provide our products with adequate abilities. Condition Monitoring offers an on-line condition analysis of equipment at the end-user to ensure preventive measures taken to achieve maximum availability.



flexible. dynamic. customer-oriented.





NSH Headquarters

Chemnitz,
Germany

History of a traditional company.

1833 Establishment of NILES company in Cincinnati / USA by James and Jonathan NILES
1874 Establishment of Escher Machine-Tool Factory in Chemnitz **1898** Establishment of Deutsche NILES Werke AG in Berlin **1930** Acquisition of Escher Machine-Tool Factory by Deutsche NILES Werke AG **1950** Conversion of Deutsche NILES Werke AG to VEB Großdrehmaschinenbau 8. Mai
1963 Development of the first European numerically-controlled lathe in Chemnitz **1990** Conversion of VEB Großdrehmaschinenbau 8. Mai to NILES Drehmaschinen GmbH **1992** Takeover of NILES Drehmaschinen GmbH and establishment of NILES-SIMMONS Industrieanlagen GmbH by Prof. Dr. Hans J. Naumann **2001** Establishment of NILES-SIMMONS-HEGENSCHEIDT GmbH **2006** Establishment of NSH China Technology Industries Company in Nanchang / China

HEGENSCHEIDT-MFD
Erkelenz, Germany



HEGENSCHEIDT-MFD
Detroit, USA

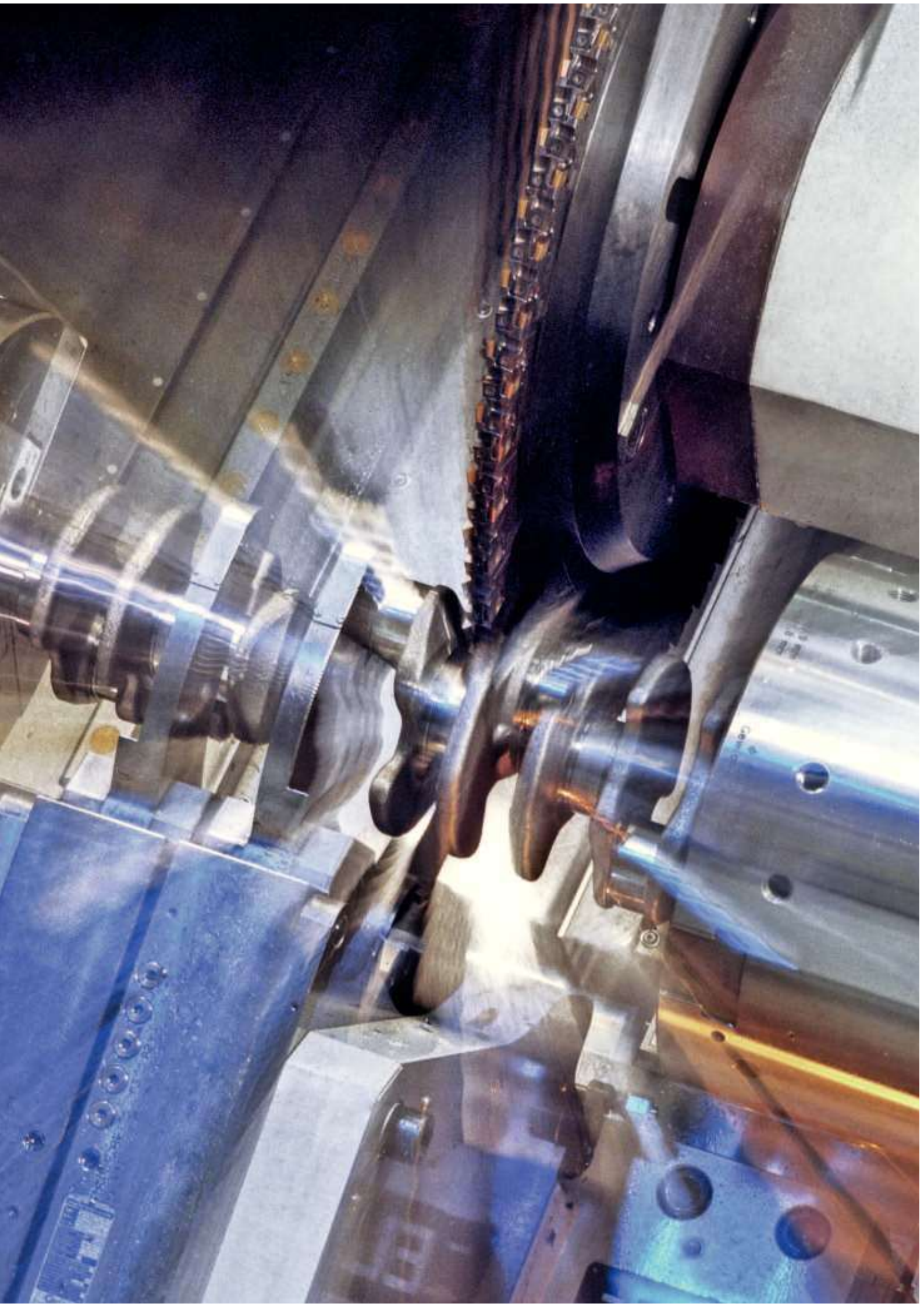


SIMMONS MACHINE TOOL
Corp. / Albany, USA



NSH-CTI China Tech. Industry
Nanchang / China





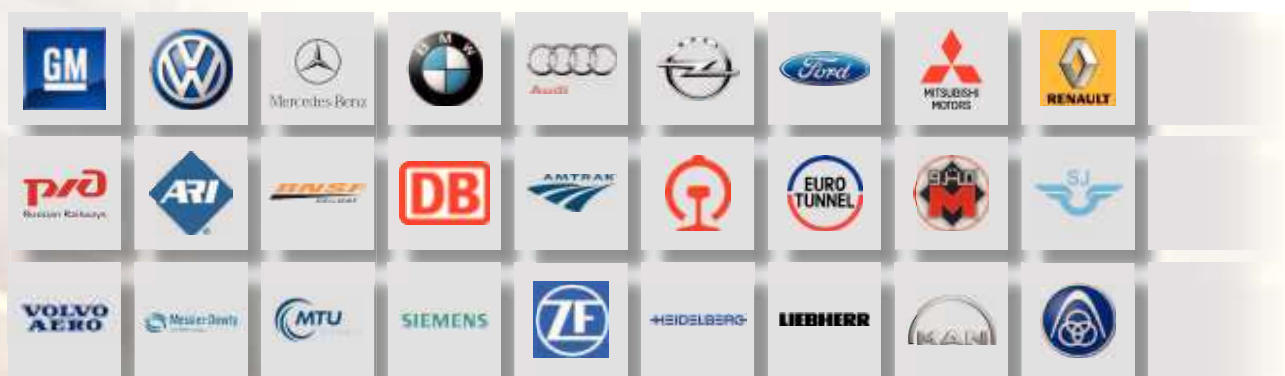


Machine Tools
for 5 Industries

Competence for you world-wide.

The NILES-SIMMONS-HEGENSCHEIDT Machine-Tool Group strives for permanent innovations which are reflected in our products of utmost quality and reliability on the basis of our expert know-how. With our tailored technology solutions, we enable you to be one step ahead in global competition.

The companies of NSH Group would like to thank you for the confidence shown in them and will also be a reliable and strong partner at your side in the future.



Our customer have confidence in the Know-how of NSH Group world-wide

The Technology Provider



Aerospace
Industry



Automotive and
Truck Industry



Railway and
Metro Industry



Machine Building
Industry

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