

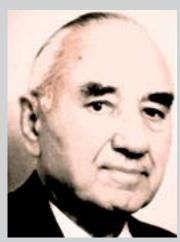
Only machines and industrial systems that operate efficiently can generate profits. Continuous, low-maintenance operations and a long service life ensure sustainable business success. The road to prosperity is made possible through innovative VAUTID wear protection in casting and welding technology.

VAUTID for manufacturers and end users. VAUTID system solutions are designed for original industrial plant equipment and process engineering machinery as well as the subsequent protection and regeneration of elements exposed to wear. VAUTID plans, develops and manufactures comprehensive wear protection solutions. Custom-tailored VAUTID concepts are perfectly aligned in terms of technology and economy and ensure reliable, profitable production.

VAUTID continues to set the standard: V100 has been the #1 product in the industry in metal-based wear protection for over 65 years.

Consistent performance and return on investment with VAUTID

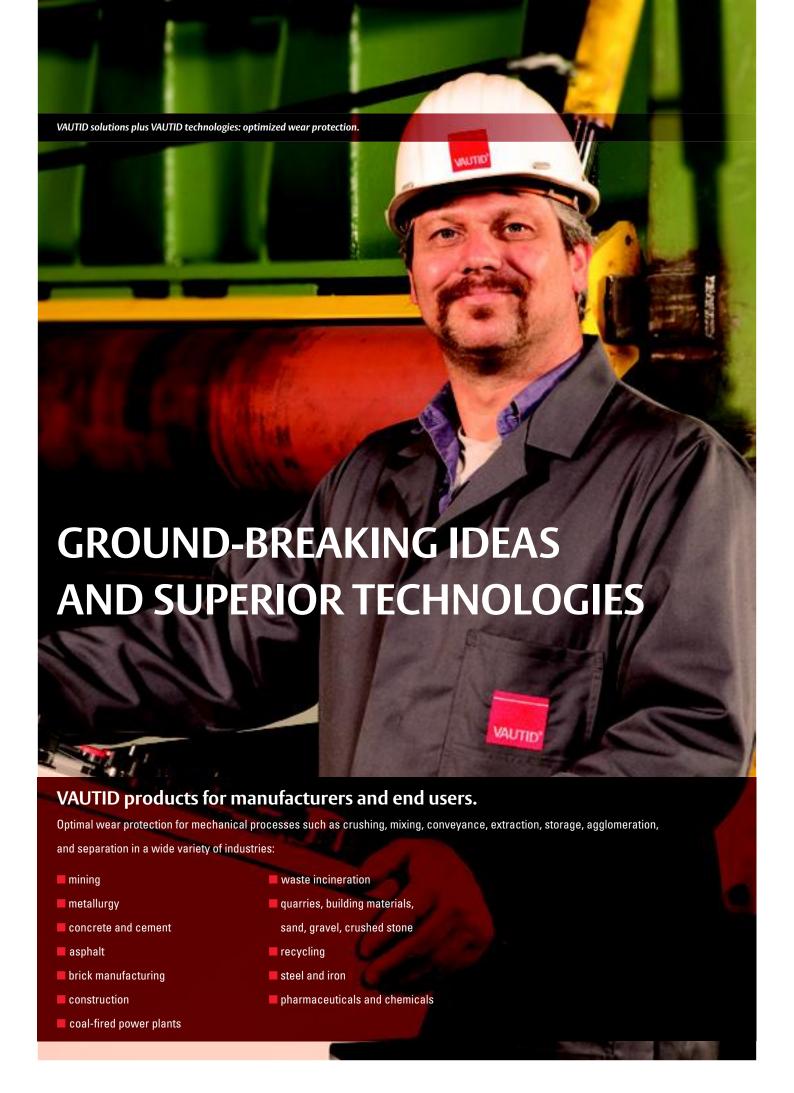
VAUTID consulting and design. Our goal is to develop the best solutions for reducing wear in original equipment operation and maintenance of systems and machines. To achieve this goal, VAUTID engineers analyze your requirements, prepare a fail-safe diagnosis and design a custom solution for protecting wear-exposed parts. The right VAUTID materials are selected to ensure optimum protection against wear, corrosion or heat. VAUTID uses its expertise to cut wear costs and maximize the service life of the equipment.



The founder and pioneer of metal-based wear protection was Dr. Hans Wahl.



VAUTID grew out of research. With the development of the coal dust engine, Dr. Wahl also helped further the concept of wear protection.



With its international focus on all major markets, innovative spirit and "Made in Germany" attention to detail, VAUTID guarantees each customer top-of-the-line system solutions and materials that are not just ahead of their time but that ensure perfect quality on the spot.

VAUTID research and development. To ensure maximum wear protection, VAUTID focuses all of its strengths on developing leading, innovative, metallurgic and constructive solutions to wear problems. In the VAUTID wear laboratory, a wide variety of structural tests, strength tests, and analyses (such as FEM) are conducted. By using 3D-CAD designs, model building, and simulated solidification, VAUTID innovations are prepared for market faster and more reliably. By cooperating with universities and institutions and participating in government-backed research projects, VAUTID can incorporate cutting-edge knowledge to ensure a long service life and profitable operation.

VAUTID training sessions, seminars, conferences, and scientific lectures are a perfect complement to the VAUTID catalog of innovative products and solutions. Customers benefit from the latest wear expertise, which they can implement right away into their daily routines.

Proven a million times over and continuously developed

VAUTID production. As a specialist in comprehensive wear protection, VAUTID produces all of its materials in accordance with high VAUTID quality standards in its own production facilities. Here, special raw materials, careful attention to detail, and cutting-edge process engineering are combined with the expertise and commitment of our staff to produce VAUTID premium products. With the ongoing expansion of further production sites, VAUTID will be able to deliver even more highly customized solutions faster than ever before.

VAUTID quality assurance

VAUTID has been ISO 9002 certified since 1993 and ISO 9001 certified since 1996. All VAUTID deposition welding materials, composite wear plates, and casting products are developed, tested and produced in accordance with these strict quality requirements. This guarantees a consistently high standard for all VAUTID premium products.



VAUTID wear research laboratory with oven for heat treatment examinations.

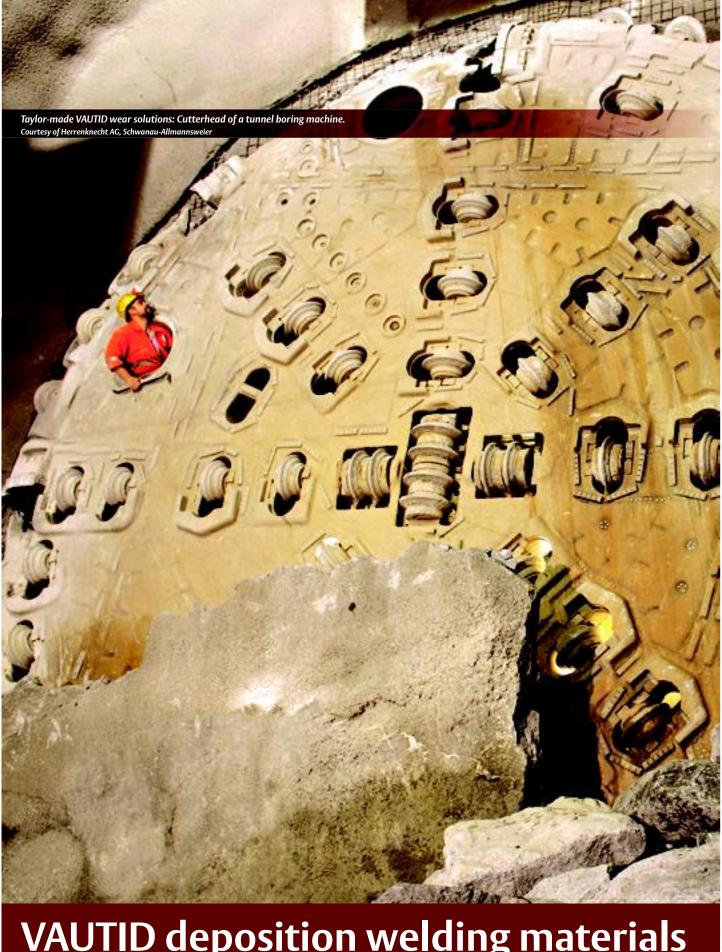




UNIQUE PRODUCT
PALETTE IN QUALITY
AND VARIETY

"65 years of progress and the strictest requirements flow into each and every VAUTID product: for more than 1,000 hours of extended equipment life."

Dietmar Tremmer, CEO of Technology – VAUTID Group



VAUTID deposition welding materials

The unique VAUTID product portfolio ranges from wearproof deposition welding materials to composite wear plates to casting products – all offering first-rate protection for wear-susceptible parts in continuous abrasive operations.

Advantages. VAUTID deposition welding materials can be applied quickly and are an especially efficient solution to a variety of wear problems on site. In order to meet every requirement in every field of application perfectly, VAUTID deposition welding materials are available in a variety of material types, alloys and qualities, including hardfacing welding materials, rust-free auxiliary welding materials, auxiliary repair welding materials and special materials. These materials are available as stick electrodes or cored wire electrodes.

VAUTID deposition welding materials can be applied universally and in a short amount of time. They provide long-lasting, cost-efficient protection for high wearand-tear parts.

VAUTID deposition welding materials offer cost-efficient, lasting protection

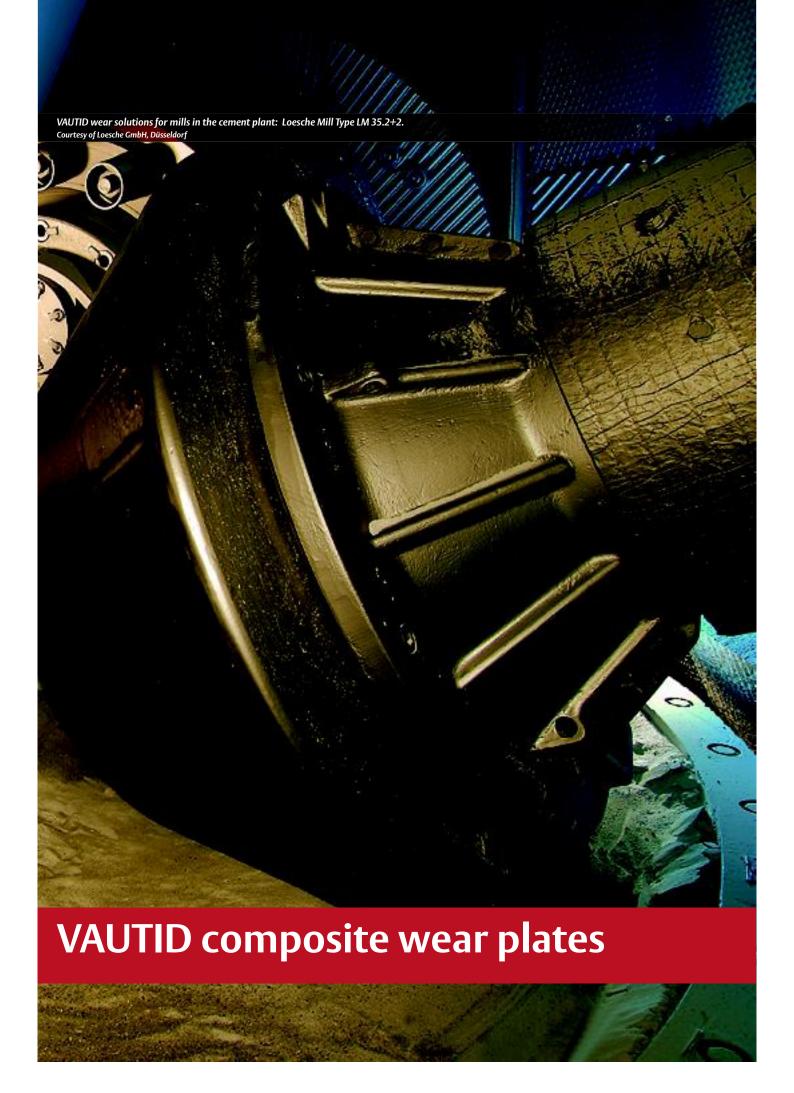
Fields of application. Typical applications for VAUTID deposition welding materials include coating of mixing tools, hardfacing of excavator teeth, powder deposition welding of fan blades, hardfacing of bucket chain excavators and sinter crushers.



VAUTID stick electrodes.



VAUTID fluxed core wire.



VAUTID products employ efficient technologies to help extend the service life of system and machine parts subject to heavy loads. Universal composite wear plates provide robust wear protection and ensure low wear costs over the long term.

Advantages. VAUTID composite wear plates are wear-proof and long-lasting. The hard-surface layer can be made to suit the specific application. The plates are also easily installed through back-side welding or bolting. Composite plates are available in a variety of dimensions and qualities. Plates can be cut to size to conform to drawings and heated or cooled to attain the desired shape – for extremely cost-effective and fast wear solutions in a wide variety of applications and industries.

With its extensive product portfolio designed for a wide variety of individual wear issues, VAUTID is the world's leading specialist in comprehensive wear protection.

VAUTID composite wear plates can be individually installed and are extremely long-lasting

Fields of application. VAUTID composite wear plates are used where wear protection is desired as a self-supporting structure on large surface areas with no supporting substructure. They guarantee maximum operational reliability, even under high mechanical load. Sample applications include strainers, hopper linings, vibration conveyors, fan impellers, casings, mixers, cyclone separators, and sifters.



Production of VAUTID wear plates.



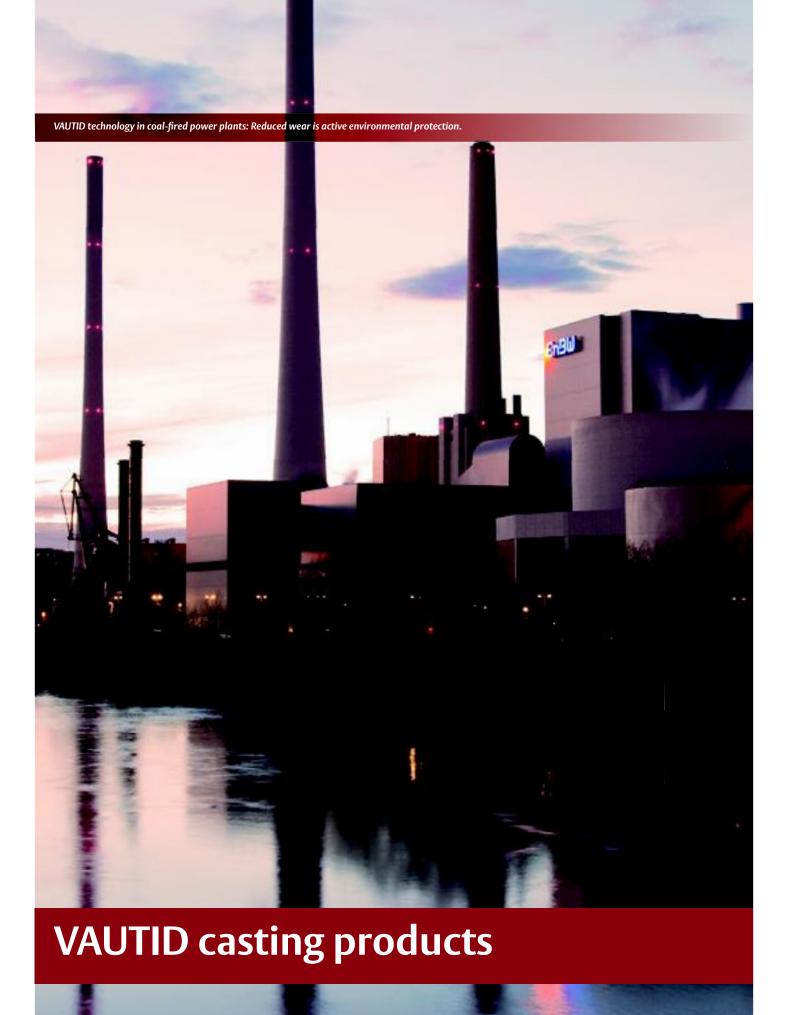
Cyclon, made of VAUTID wear plates for the cement industry.



Taylor-made VAUTID wear plate.



Ready-to-install VAUTID fabrication.



VAUTID offers a custom-tailored and cost-efficient solution for every requirement. Casting products are manufactured in accordance with customer needs using a wide variety of materials and casting methods. Optimized geometry coupled with additional wear protection is a valuable asset in many applications.

Advantages. VAUTID casting components represent the most cost-efficient method of wear prevention for mass production. Casting products can range in weight from 2 to 10,000 kg depending on the field of application and the type of material. Applications include sand casting, ceramic or Croning molds or lost foam casting. Models, computer simulations and extensive analyses ensure the optimal quality of each component. VAUTID casting products can also be machined directly in the plant to the desired level of precision.

Highly wear-resistant
VAUTID components
offer the most advanced
wear protection for both
original and replacement
equipment from an
innovation leader.

VAUTID casting provides cost-efficient wear protection for series parts

Fields of application. VAUTID hard casting offers highly streamlined production and high-quality wear protection through strict VAUTID quality controls and is ideal for use in a wide variety of industries that employ mechanical processes like crushing, mixing, conveyance, storage, agglomeration, and separation.

VAUTID foundries

VAUTID is an experienced partner in component manufacturing for high carbon and stainless steel casting. At three European and two overseas locations, VAUTID casting products are manufactured and processed in accordance with customer specifications.



VAUTID wear resisting casting for the concrete industry.



Highly wear resistant S-tube.



VAUTID transport screw for material handling.

