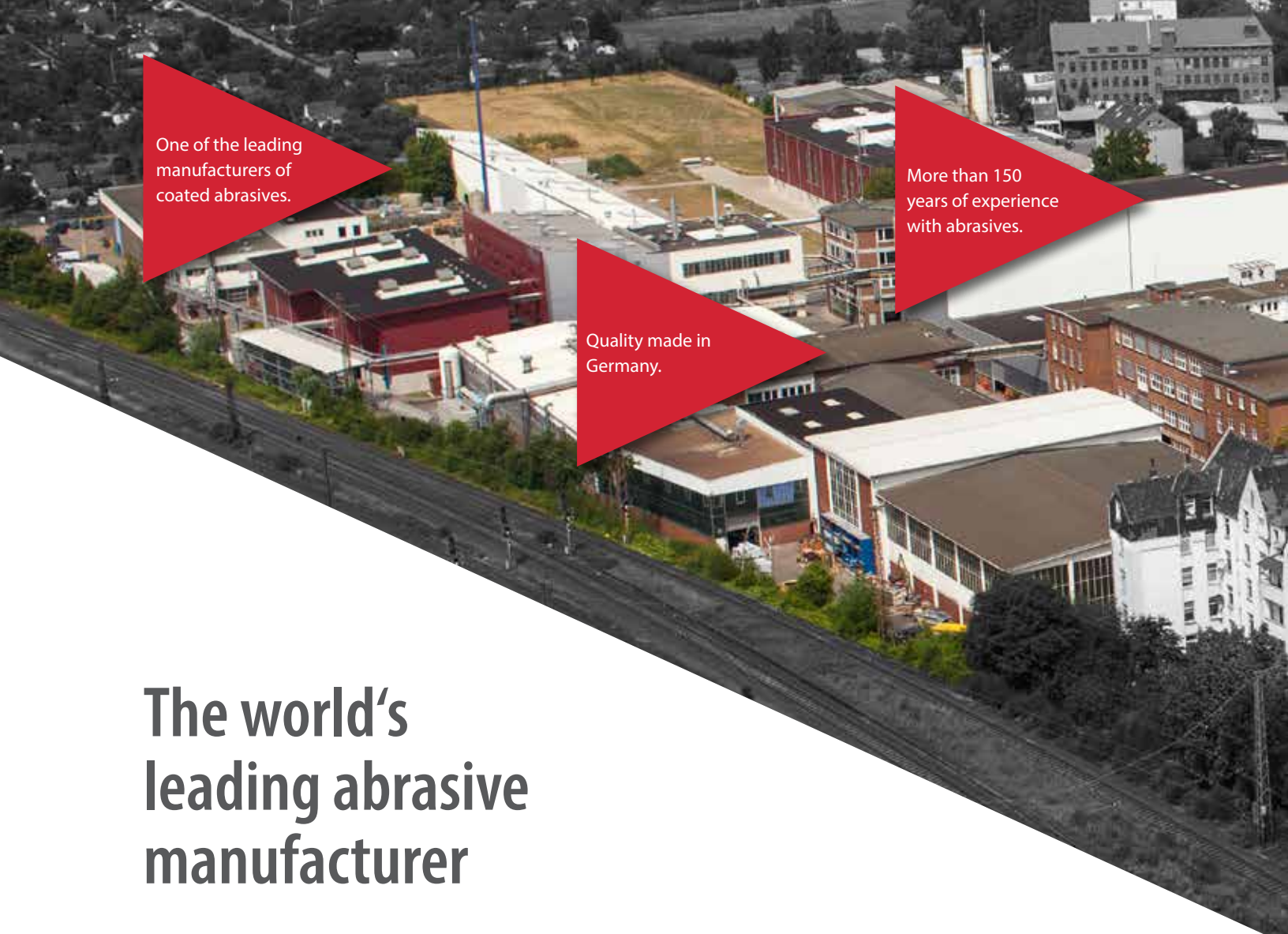


**OUR PROFILE**

**Quality abrasives  
made in Germany**



One of the leading manufacturers of coated abrasives.

More than 150 years of experience with abrasives.

Quality made in Germany.

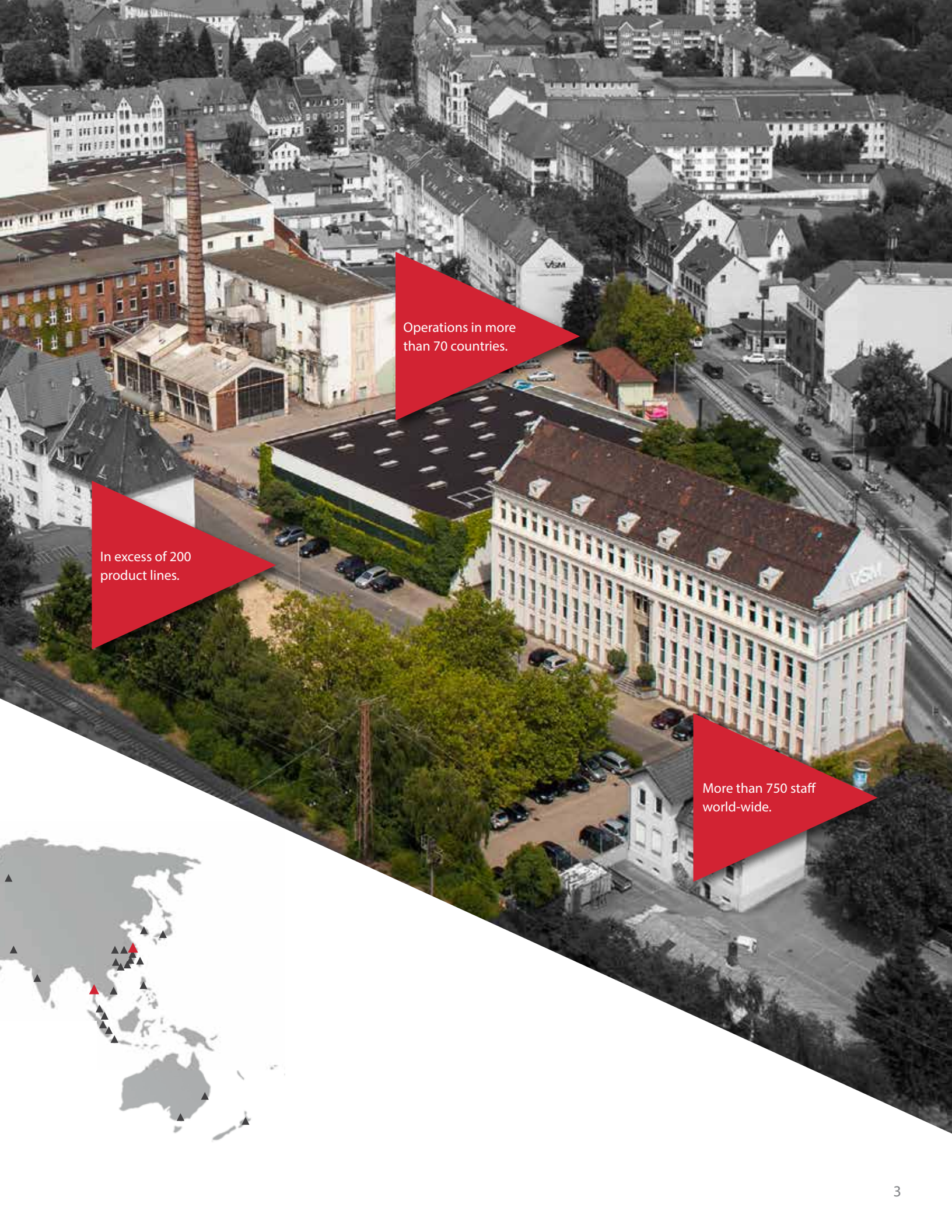
# The world's leading abrasive manufacturer

The company Vereinigte Schmirgel- und Maschinen-Fabriken (VSM) was founded in 1864 by talented merchant, Siegmund Oppenheim, and his technically minded brother-in-law, Siegmund Seeligmann. Located in Hannover, Germany, the congenial duo started with small-scale manual manufacturing of glass and flint paper. Since then, the company has grown to become one of the global leaders in coated abrasive manufacturing, with over 750 employees worldwide.

With 150+ years of experience in the manufacturing of coated abrasives, VSM has grown to become one of the global leaders in the coated abrasives market. Specialised in premium grinding solutions for the metal and wood industries, VSM's market activities are based on a company strategy which focuses on the success of its customers.

A total of 14 international subsidiaries, backed by a large distribution network, ensure customers receive support in every region of the world.





Operations in more than 70 countries.

In excess of 200 product lines.

More than 750 staff world-wide.





More than  
100 staff in  
O'Fallon, MO.

# Domestic partnership

As new products are developed in Hannover, Germany (VSM headquarters), they are shipped to international subsidiaries in the form of jumbo material. These manufacturing facilities then convert the material into the final product form based on end user specifications. In 1978, VSM Abrasives Corporation was established in O'Fallon, Missouri to meet demand for coated abrasives in the United States market.

From the United States subsidiary, domestic customers receive both quality service and product. Our Territory Managers and Technical Service Engineers work with customers one-on-one to better understand application requirements in order to suggest the best product solutions.

This location stocks a sufficient supply of jumbo material to ensure that customer requests are satisfied in a timely manner. Once an order has been placed, the jumbo material is converted into its final product form and shipped to the customer.

# Product solutions

With 200+ product lines, we have ability to provide the right coated abrasive solution for your specific application.



*Jumbo Material*



*Wide and Narrow Belts*



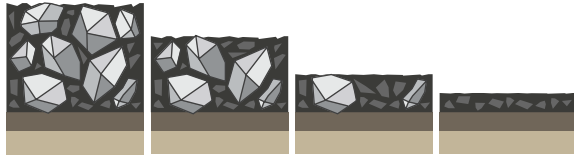
*Discs (PSA, Velcro, Resin Fiber & Quick Change)*



*Rolls*

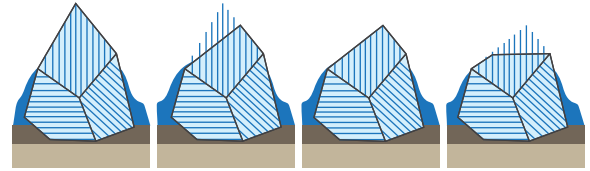
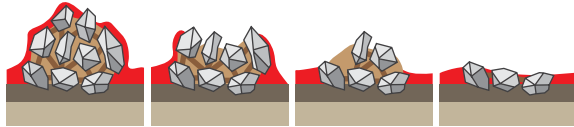


*Sheets*



### VSM ILUMERON

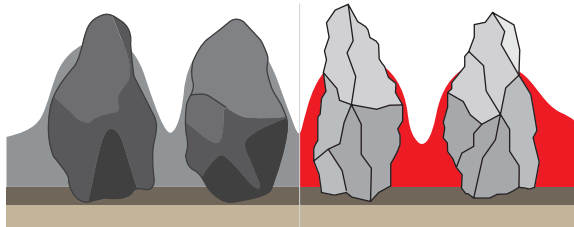
**VSM ILUMERON** is a uniform, full-faced coated abrasive product capable of maintaining tight tolerance levels. This abrasive is ideal for giving high gloss on stainless steel, unalloyed steel and superalloys.



### VSM COMPACTGRAIN & COMPACTGRAIN Plus

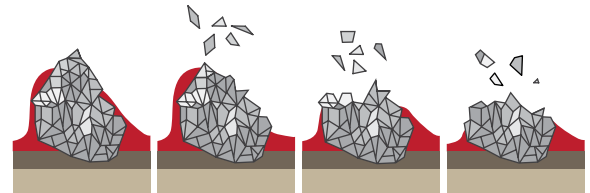
**VSM COMPACTGRAIN** (shown in illustration) is a multi-layered product utilizing Aluminum Oxide or Silicon Carbide grains to produce a granulate capable of providing longer service life and consistent stock removal. It can accommodate a wide range of applications, including flat or round polishing, robotic polishing of contoured parts, hand polishing of common carbon steels, as well as polishing heat sensitive metals such as titanium and cobalt.

**VSM COMPACTGRAIN Plus** optimizes granulate distribution, which further extends product life.



### VSM ZIRCONIA ALUMINA

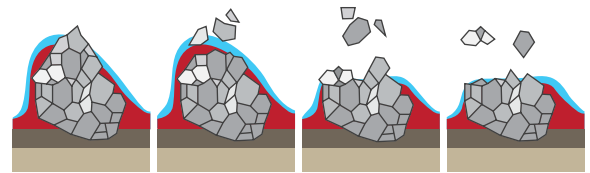
**VSM ZIRCONIA ALUMINA** is a tough, dense abrasive grain formed by depositing zirconia in an alumina matrix. With its continuous generation of new cutting edges and an additional lubricating layer, this product provides very high stock removal the grinding zone. It is an excellent choice for heavy stock removal applications on most metals.



### VSM CERAMICS & VSM CERAMICS Plus

**VSM CERAMICS** is constructed of a high-performing grain that is well suited for ferrous metals, carbon steels, high nickel and other exotic alloys. This mineral is typically used in stock removal applications.

**VSM CERAMICS Plus** (shown in illustration) similar to VSM CERAMICS, but with a much finer crystalline structure. This results in a more aggressive cut with an improved self-sharpening effect.

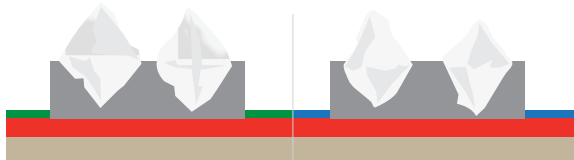


### VSM SILICON CARBIDE

**VSM SILICON CARBIDE** is a hard, sharp man-made grain ideal for the sanding and polishing of stone, glass, rubber and wood. It is also well suited for a wide range of metal finishing applications.

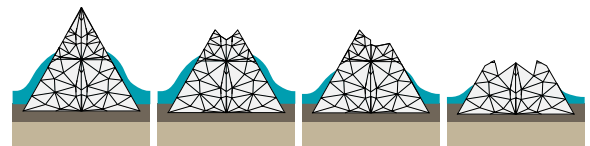
### VSM ALUMINUM OXIDE

**VSM ALUMINUM OXIDE** is a tough, durable grain characterized by the long life of its cutting edges and points. It is the most widely used of the man-made minerals. This grain type is well suited for a broad range of ferrous and non-ferrous metals, as well as on soft and hard woods.



### VSM STEARATE Plus

**VSM STEARATE Plus** is an extension of the VSM CERAMICS lineup. The addition of a new anti-adhesive layer greatly reduces chip adhesion of soft materials like aluminum, brass and bronze.



### VSM DIAMOND

**VSM DIAMOND** is an extremely hard mineral that is typically used as a stock removal or shaping tool. Typical applications may involve non-metallic materials such as tungsten carbide, glass, ceramic and stone.

### VSM CBN

**VSM CBN** (Cubic Boron Nitride) is a synthetic crystalline material, similar to Diamond. Although softer than Diamond, this grain is superior in terms of oxidation resistance with steel alloys. This grain is ideal for use when grinding steels, cast irons and nickel-based alloys.

### VSM ACTIROX

**VSM ACTIROX** is a geometrically-shaped ceramic grain, ideal for high stock removal applications. The grain has been expertly engineered in a way to produce consistently sharp cutting edges that result in a faster, more aggressive cut. Available with and without a top size, VSM ACTIROX is ideal for grinding superalloys, stainless steel and carbon steel.



## Quality

Quality products are not just produced but are created by understanding the entire production process and how the coated abrasive product performs in an application.

VSM's highly trained Research and Development team works closely with sales and marketing to determine quality standards for new products that will conform to ever-evolving applications. This collaboration results in developing coated abrasives that far exceed the competition.

In developing new products, vertical integration is the key to VSM's success. Being vertically integrated allows VSM to control the entire manufacturing process from the formulating and blending of all resins, to the finishing of backing materials, to the producing and testing of all finished products. VSM's state-of-the-art manufacturing systems continuously monitor every step of the process, in order to guarantee the highest level of quality.

VSM abrasives is an ISO 9001 certified company, adding value in our commitment to providing high performance products.



## Competence

VSM's Technical Service team is recognized as one of the most highly trained and knowledgeable in the coated abrasives industry. Along with outside sales representatives and a network of local distributors, they've developed a strong understanding of their customer's processes and product needs. Their objective is to understand your application in an effort to help determine the right VSM product for your process.

This product and application knowledge allows for testing of a variety of products on the way to recommending a real solution - the right abrasive for a particular job. VSM realizes you're looking for more than grinding and finishing products, you're looking for an abrasive that can most effectively reduce finishing costs while increasing production efficiencies.

# Customer orientation

The concept of service takes center stage at VSM! Working closely with customers in understanding their unique processes allows VSM to evaluate more accurately which abrasive product would be best suited to a specific application. It is through this close working relationship that VSM is able to help customers improve productivity and decrease manufacturing costs. VSM's highly trained technical experts are glad to assist with any application concerns or questions that may occur during production. In addition, training is available for distributors and end users to better more thoroughly understand coated abrasives more thoroughly, allowing for a more active role in the solutions process. Technical Services is only a phone call away whatever the question or need might be, and are available for on-site visits.

The goal of VSM Abrasives Corporation is to establish a close partnership with you, the customer. Working together towards a common goal and enjoying shared success is what makes VSM your best choice when choosing a company for your coated abrasive needs.

**High performance as a matter of principle  
across the entire value-added chain.**



COMPETENCE  
QUALITY  
CUSTOMER  
ORIENTATION

# A worldwide leader in abrasives.



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