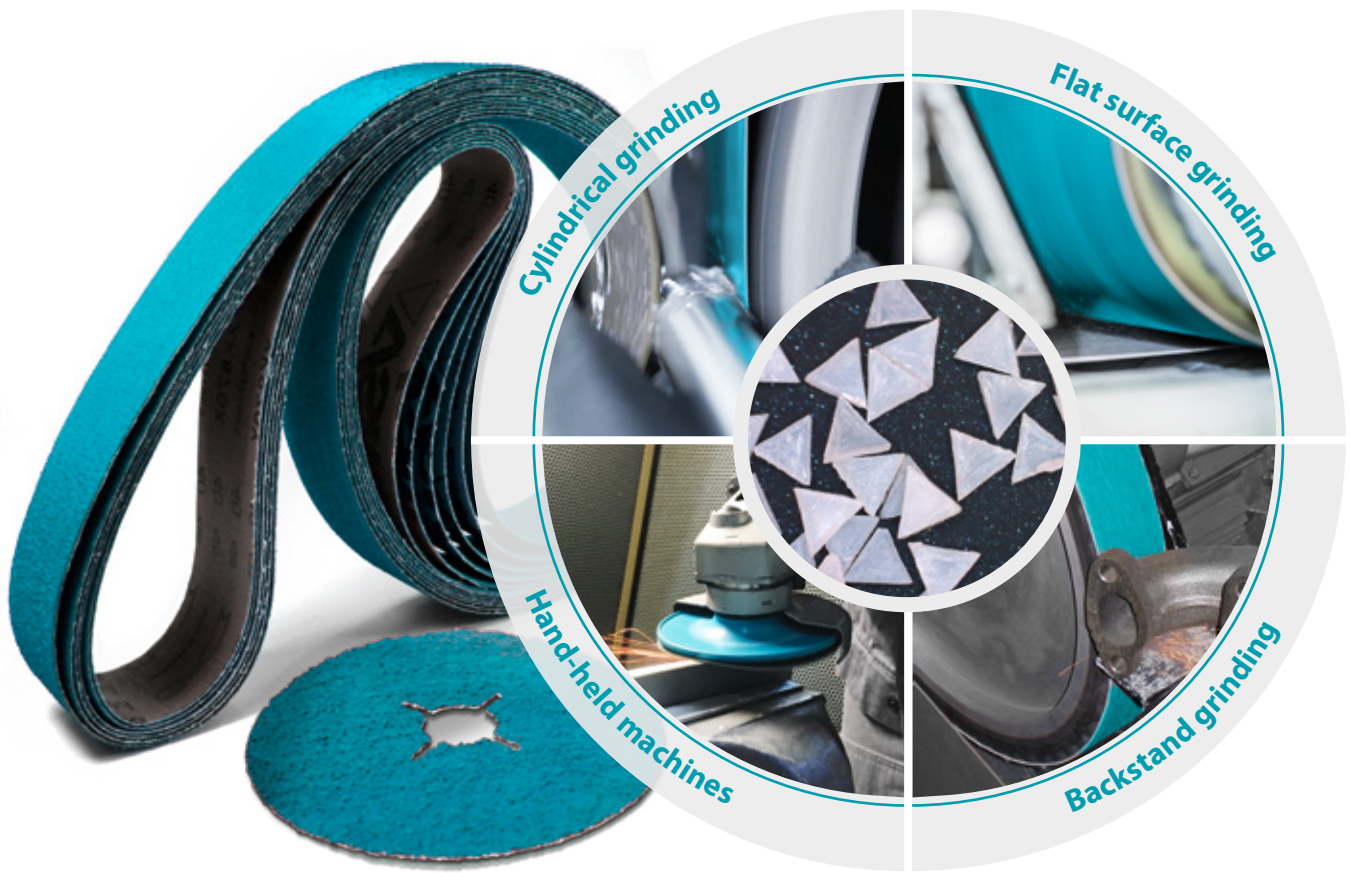




VSM ACTIROX

**The latest generation of abrasives
for maximum stock removal**

The new VSM ACTIROX



Your workpiece

Slabs



Tools



Pipes



Tanks and Containers



Hydraulic cylinders



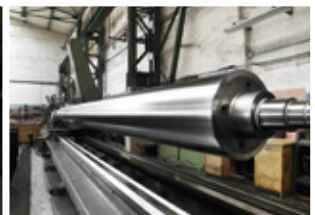
Wire



Castings and forgings



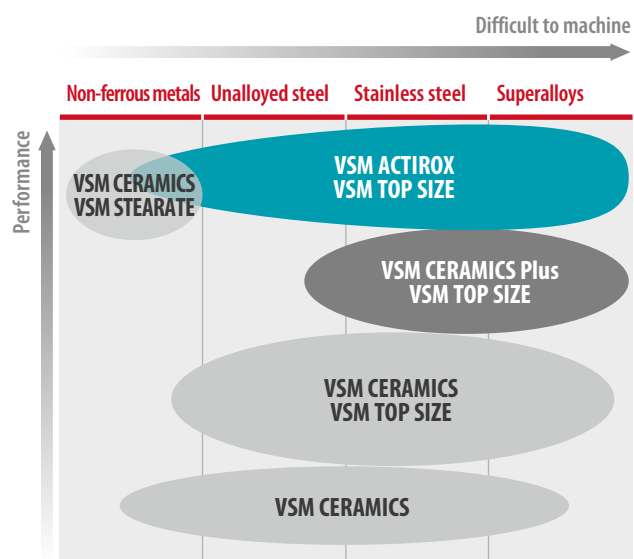
Rollers



A significant increase in productivity

Your advantages at a glance

- > **Maximum stock removal** thanks to geometrically shaped ceramic grains leads to a **reduction of operating costs**
- > **Increase in productivity:** More workpieces per unit of time due to **faster cut**
- > Premium performance with **superalloys and stainless steels** thanks to optimum coating density
- > **Cool grinding processes** and **extended service lives** thanks to the additional grinding-active layer VSM TOP SIZE
- > VSM can be relied on to always deliver premium quality **made in Germany**



VSM ACTIROX Products:



Stock removal (red arrow pointing left) vs Surface (blue arrow pointing right)

	Rolls (max. width)	Wide belts	Narrow belts	Discs	Backings	Grain type	Features	20	24	36	40	50	60	80	100	120	150	180	240	320	400	VSM series
NEW	1,480 mm	●	●		Cloth	VSM ACTIROX	▼ TOP SIZE, ◊			■												AK890Y*)
NEW	1,470 mm			●	Fibre	VSM ACTIROX	▼ TOP SIZE			■												AF890

Legend:

- for medium to high contact pressure
- ◊ also suitable for wet applications
- ▼ **TOP SIZE** Grinding-active additional layer reduces the temperature in the grinding zone

Flexibility of the backing material (last letter of the series name):
Y very sturdy

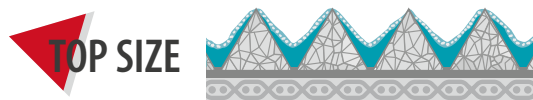
*) available during the first half of 2019

VSM ACTIROX – An abrasive grain in top shape

Compelling stock removal

VSM ceramic grain abrasives have for many years been synonymous with a long service life: One of the reasons is their unique self-sharpening effect.

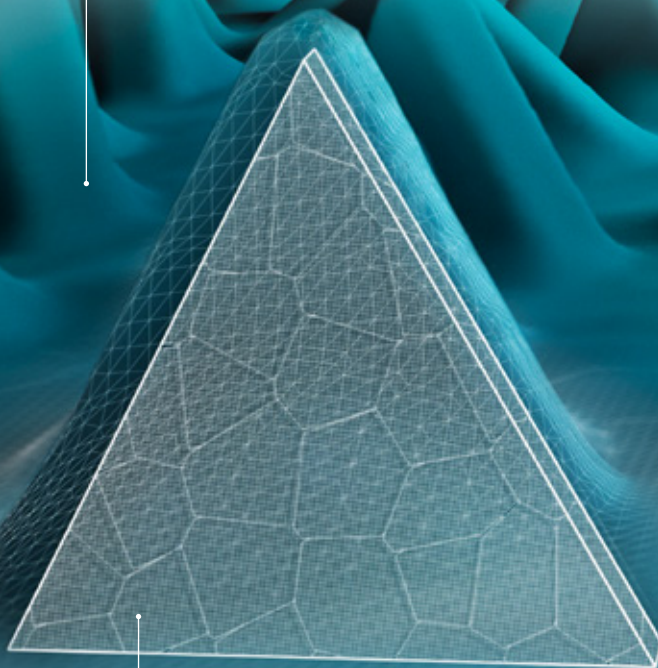
VSM has now come up with the latest generation of abrasives. It is thanks to its geometrically shaped abrasive grain that **VSM ACTIROX** performs an aggressive and faster cut, thus maximizing the stock removal from alloyed steels and stainless steel workpieces.



High cutting capacity and low temperatures in the contact area thanks to VSM TOP SIZE



The geometrically shaped ceramic grain breaks down in a defined fashion constantly producing new sharp edges

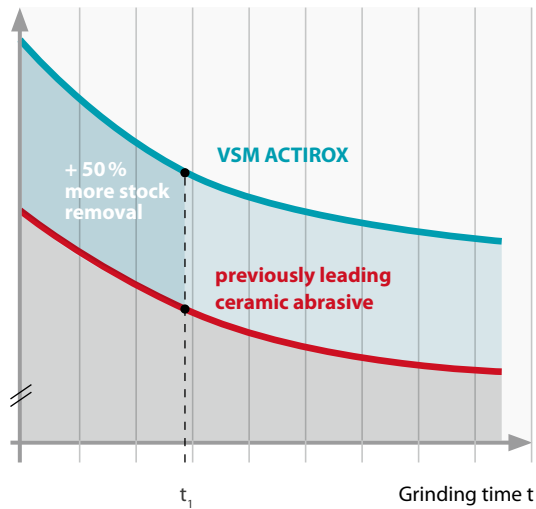


The geometrically shaped ceramic grain guarantees maximum stock removal



For medium to high contact pressures

Stock removal/time



Thanks to the extremely high stock removal **VSM ACTIROX** fibre discs can machine more workpieces in the same period of time.

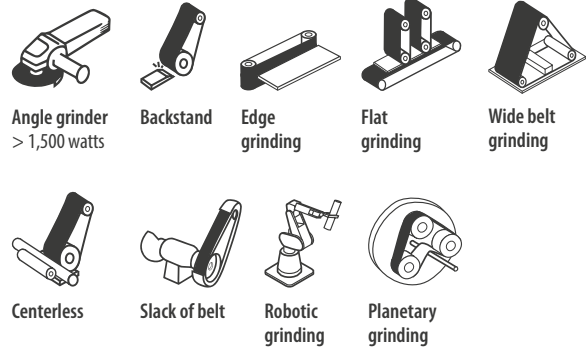


Increase in productivity thanks to faster grinding



Suitable for both dry and wet grinding

Machines / Grinding processes

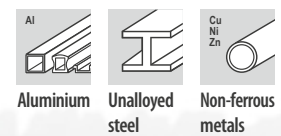


Materials

Developed for:



Also suitable for:



Back-up pad VSM TURBO PAD 3

A significantly better performance can be achieved when using the **VSM TURBO PAD 3** in conjunction with **VSM ACTIROX**.



VSM is **one of only few manufacturers of ceramic grain worldwide and in Germany**. It is thanks to having our own ceramic grain production in Hanover, Germany that we have a decisive influence on the performance of VSM abrasives.

For further information please visit www.actirox.com

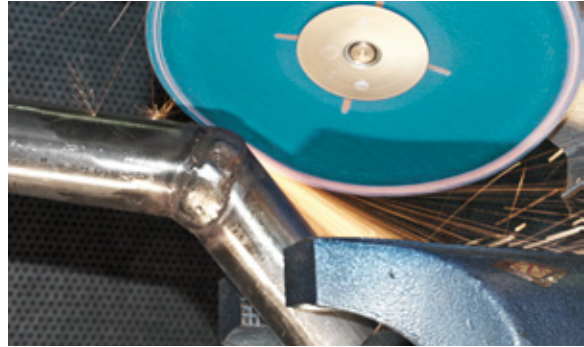
Case studies

Grinding of castings



VSM ACTIROX	AK890Y
Workpiece	Castings
Material	Titanium alloy (Ti AL 6242)
Contact wheel	> Ø = 350 mm, 85° Shore A, serration 6:10
Cutting speed	10.8 m/s
Feed rate	Manual
Belt dimensions	70 × 3,500 mm
Grit size	36
Lubricant	None
Result	> 15 % more stock removal as compared to the previously leading abrasive

Weld removal



VSM ACTIROX	AF890
Workpiece	Welding seam
Material	Stainless steel
Contact element	> <i>VSM TURBO PAD 3</i>
Rotational speed	8,500 rpm
Feed rate	Manual
Disc dimensions	Ø 180 mm
Grit size	36
Lubricant	None
Result	> 50 % more stock removal as compared to the previously leading abrasive



VSM – More than just three letters

VSM stands for competence, quality and customer orientation

Very few others understand grinding processes like we do. Not only do we grind every surface to precision, we also analyse the specific grinding applications of our customers so that we can always find the best, long-term solution. Process-related expertise is one of the distinguishing features of VSM.

We know abrasives

Because we understand them. VSM develops and produces all the main preliminary products such as backing fabrics, resinoid bonds and abrasive grains at its Hanover site. By doing so, we fulfil our high, self-imposed requirements in industry, the commercial and trade sector. The continuous development of further grain compositions, their refinement and processing ensures that VSM remains one of the most experienced manufacturers of ceramic grain worldwide.

Application-based expertise

We see the entire grinding processes of our customers as a challenge. A global network of VSM specialists provides expert advice wherever it is needed

irrespective of whether your company is large or small. Thanks to our close collaboration with machine manufacturers, cutting fluid experts and research institutes, we ensure that our customers can benefit from technological trends as soon as possible.

We make our expertise available for you

The VSM Technical Center (TC) in Hanover provides an opportunity for product training, seminars and extensive application tests. Customer applications can be adjusted and results reviewed. This service from VSM reduces downtimes and productivity losses for our customers.

Certified and recognized worldwide

VSM has been certified to ISO standard 9001:2008 as its basis for quality assurance for many years. In addition, it is a member of FEPA, oSa and the German Abrasives Association (VDS).



A worldwide leader in abrasives.



Europe

Germany (Headquarters)

VSM · Vereinigte Schmirgel- und Maschinen-Fabriken AG
Siegmundstraße 17
30165 Hannover
T +49 511 3526 478
www.vsmabrasives.de

Czech Republic

VSM Abrasives s.r.o.
River Garden, 5th Floor
Rohanské nábřeží 678/23
18600 Praha
T +420 277 015 300
www.vsmabrasives.cz

France

VSM Impavide S.A.S.
52 Avenue Marcel Paul
93297 Tremblay en France
T +33 1 4151 0300
www.vsmabrasives.fr

Great Britain

VSM Abrasives Ltd.
Unit 5, Joplin Court Sovereign
Business Park, Crownhill
Milton Keynes, MK8 0JP
T +44 19 0831 0207
www.vsmabrasives.co.uk

Hungary

VSM-VITEX Magyarország Kereskedelmi Kft.
Nagytétényi út 72
1222 Budapest
T +36 1 424 06 87
www.vsmabrasives.hu

Poland

PFERD-VSM Sp. z o.o.
Ul. Polna 1A
62-025 Kostrzyn Wielkopolski
T +48 61 8970 480
www.pferdvsm.pl

Russia

VSM AG · Russian Representative Office
141006, Moscow region
c. Mytishchi Volkovskoe
roadway vl. 5a, str. 1, of. 208
T +7 499 346 35 27
www.vsmabrasives.ru

Spain

VSM · VITEX ABRASIVOS IBERICA, S.A.U.
Ctra. de Molins de Rei,
79A, Nave 8
08191 Rubí (Barcelona)
T +34 93 697 3411
www.vsmabrasives.es

Sweden

PFERD-VSM AB
Radiövägen 3B
18155 Lidingö
T +46 8 5647 2300
www.pferd-vsm.se

Switzerland

PFERD-VSM (Schweiz) AG
Zürichstr. 38 B
8306 Brüttsellen
T +41 44 805 2828
www.pferd-vsm.ch

Turkey

STARCKE VSM VITEX Zimpara Teknolojisi Sanayi ve Dis Ticaret Ltd. Sti.
Yan Sanayi Sitesi
Nubuk Cad. No: 8, Kat 1 – 4
34953 Istanbul/Tuzla
T +90 216 591 07 01
www.starckevsm.com

Americas

Canada

VSM Abrasives Canada Inc.
2425 Wyecroft Road Unit #1
Oakville, Ontario
L6L 6R5
T +1 905 827 0005
www.vsmabrasives.ca

Latin America

VSM Latinoamérica S.A.S.
Carrera 9 No. 115 – 06
Edificio Tierra Firme Piso 17
Bogota, Colombia
T +57 1 639 8489
M +57 316 8311705
www.vsmabrasives-
latinamerica.com

Asia

China

VSM AG · Shanghai Representative Office
Rm. 5I, Zhao Feng Univ. Bldg.
No. 1800, Zhong Shan Xi Rd.
Shanghai 200235
T +86 21 6270 2642
www.vsmabrasives.com.cn

Thailand

VSM AG · Thailand Representative Office
444 Olympia Thai Tower, 13th FL
Ratchadaphisek Rd., Samsennok
Huay Kwang, Bangkok 10310
T +66 2 513 7441
www.vsmabrasives-apac.com

USA

VSM Abrasives Corp.
1012 East Wabash St.
O'Fallon, Mo. 63366
T +1 636 272 7432
us.vsmabrasives.com



Visit our website at
www.vsmabrasives.com