



**VSM**  
WE KNOW ABRASIVES

**VSM ACTIROX**

**ACTIROX**

The latest generation of abrasives  
for maximum stock removal

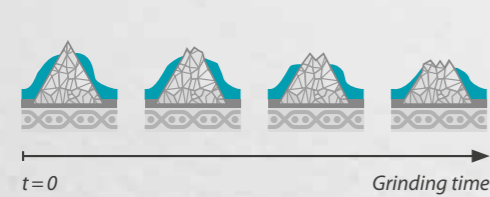


# ACTIROX

## Abrasive grain in top form

For many years, VSM ceramic grain abrasives have been synonymous with very high stock removal rates and a long service life: this is partly thanks to their unique self-sharpening effect.

**VSM ACTIROX** is the name of the latest generation of abrasives for optimal stock removal. Thanks to the geometrically shaped abrasive grains, it achieves very aggressive, quick grinding for maximum removal rates.



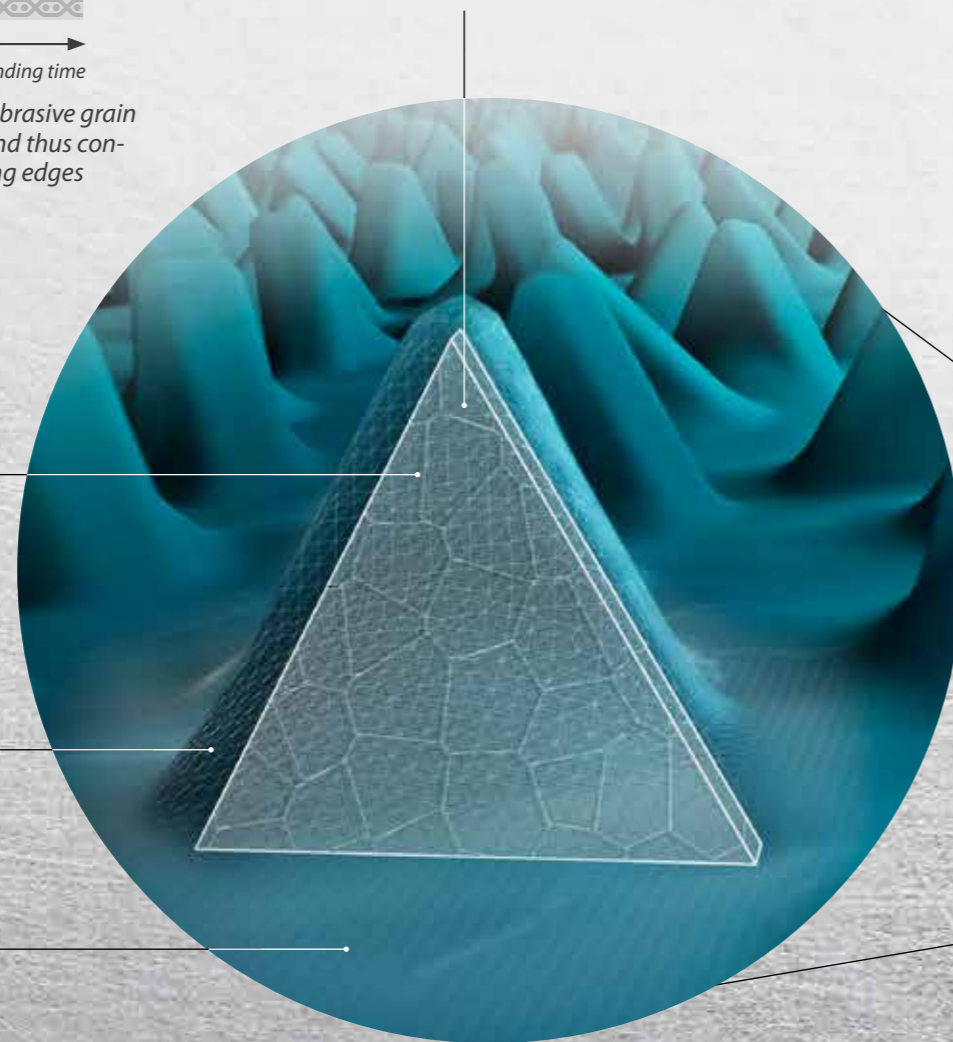
The geometrically shaped ceramic abrasive grain breaks down in a defined manner and thus continuously produces new sharp cutting edges

Aligned abrasive grain for aggressive and faster grinding

### TOP SIZE

Enhanced machining capacity and reduced temperature in the grinding area thanks to the VSM TOP SIZE grinding-active additional layer

In-house developed fabric backing withstands extreme loading



## ACTIROX is now also available as a belt!

3 good reasons why AK890Y should be an essential part of your operation

- 1** **Maximum stock removal** results in **lower operating expenses**, such as energy and storage costs.
- 2** Low to medium contact pressures significantly reduce noise and vibrations, and therefore **reduce the strain on operators and machines**.
- 3** Faster grinding greatly **reduces processing times** – even when deburring and removing sprues or weld seams.



# Case studies

## 15% more stock removal when grinding castings



VSM ACTIROX	AK890Y
<b>Workpiece</b>	Castings
<b>Material</b>	Titanium alloy (Ti AL 6242)
<b>Contact wheel</b>	Ø = 350 mm, 85° Shore A, 6:10 cut
<b>Cutting speed</b>	11 m/s
<b>Feed rate</b>	Manual
<b>Belt dimensions</b>	70 × 3,500 mm
<b>Grit size</b>	36
<b>Lubricant</b>	None
<b>Result</b>	15% more stock removal compared to the previous leading abrasive

## 20% more workpieces per shift when descaling



VSM ACTIROX	AK890Y
<b>Workpiece</b>	Forged parts
<b>Material</b>	Chrome vanadium steel
<b>Contact wheel</b>	Ø = 60 mm, PA coating, ~ 60° Shore
<b>Cutting speed</b>	27 m/s
<b>Feed rate</b>	Manual
<b>Belt dimensions</b>	80 × 3,800 mm
<b>Grit size</b>	36
<b>Lubricant</b>	None
<b>Result</b>	20% more workpieces compared to the previous 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.



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