



**ACTIROX**

**ABRASIVE GRAIN  
IN TOP SHAPE**

The plus in grinding performance



# **ACTIROX** **MAXIMUM** **STOCK REMOVAL.** **FASTER** **CUT.**

## **Does the dirty work for you**

**The ACTIROX series offers the ideal abrasive for all coarse grinding applications.**

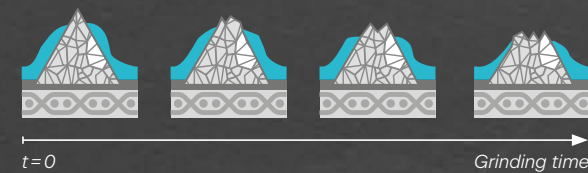
From beveling and deburring to removing weld seams and mill scale, ACTIROX's five series are ready for action!



# ACTIROX

For years, VSM ceramic grain abrasives have been synonymous with high stock removal rates and a long service life: this is due 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 aggressive and quick grinding for maximum stock removal.

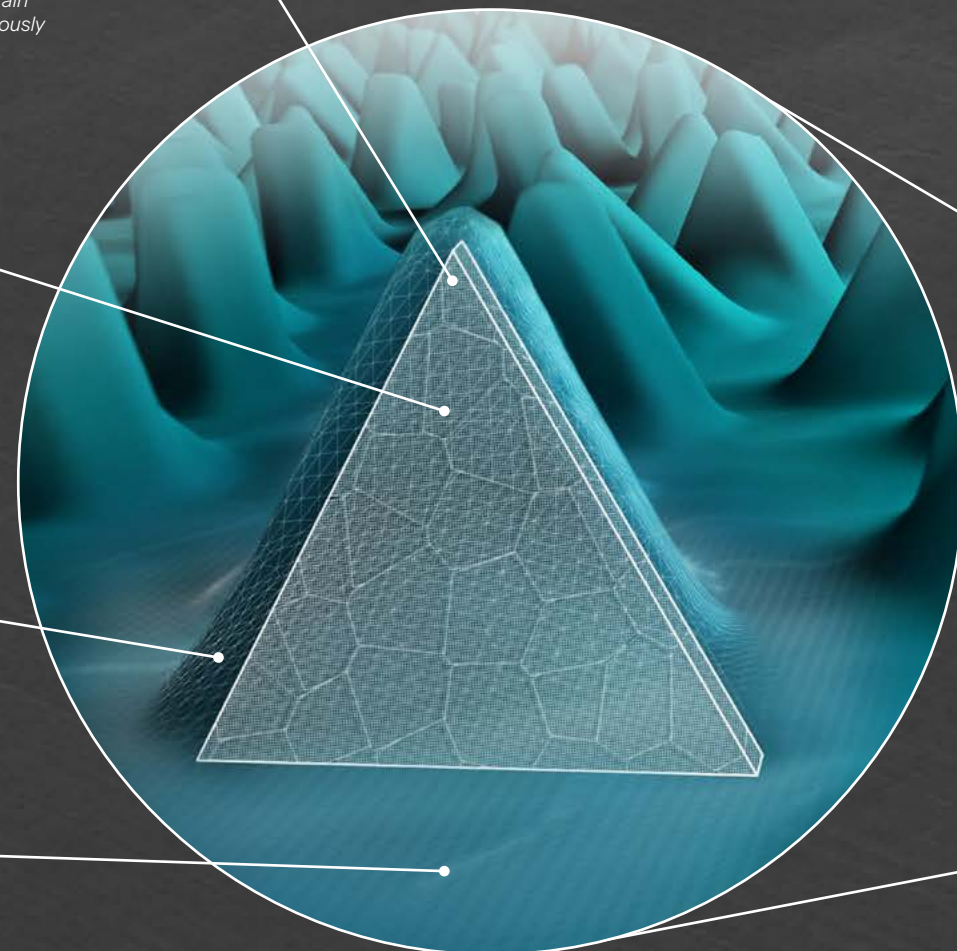


Aligned abrasives grain placement for aggressive and faster grinding

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

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

**ALU-X**  
The ALU-X additional layer significantly reduces chip adhesion during grinding of non-ferrous metals



## Abrasive grain in top shape – also available as a belt!

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

- 1** Maximum stock removal resulting in lower operating expenses
- 2** Low to medium contact pressures minimize noise and vibrations, which helps reduce strain on operators and machines.
- 3** Faster grinding greatly reduces processing times – even when deburring and removing sprues or weld seams.



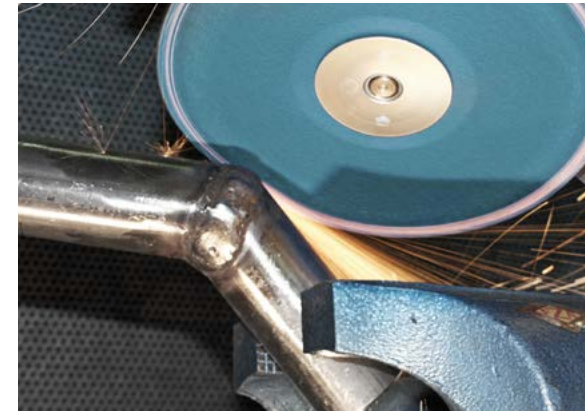
## For extreme applications

The new ACTIROX AF979 fiber disc is our secret weapon for all hard cases.

The heavy-duty variant of the proven AF799 offers even more than an extremely long service life. With its consistent stock removal rate, it is highly resilient, and even burnt edges on plasma-cut workpieces present no problem.

# Case studies

## Weld seam leveling, stainless steel



<b>Workpiece</b>	Weld seam
<b>Material</b>	Stainless steel
<b>Contact element</b>	Back up pad, extra hard
<b>Speed</b>	8,500 rpm
<b>Power</b>	1,550 W
<b>Feed</b>	Manual
<b>Series</b>	<b>VSM ACTIROX AF890</b>
<b>Disc diameter</b>	5" x 7/8"
<b>Grit size</b>	36+

> **Result:** Significantly increased productivity, up to 70% more workpieces are processed per shift

## Grinding of cast parts



<b>Workpiece</b>	Cast parts
<b>Material</b>	Titanium alloy (ti al 6242)
<b>Contact wheel</b>	Ø=14", 85° Shore A, 6:10 serration
<b>Cutting speed</b>	11 m/s
<b>Feed</b>	Manual
<b>Series</b>	<b>VSM ACTIROX AK890Y</b>
<b>Belt dimensions</b>	2 3/4 " x 138"
<b>Grit size</b>	36+
<b>Auxiliary materials</b>	none

> **Result:** 15% more stock removal compared to the previous leading abrasive

## Processing of cut edges



<b>Workpiece</b>	Plasma-cut components
<b>Material</b>	S355JR
<b>Contact element</b>	Back up pad, extra hard
<b>Speed</b>	12,000 rpm
<b>Power</b>	1,800 W
<b>Feed</b>	Manual
<b>Series</b>	<b>VSM ACTIROX AF979</b>
<b>Disc diameter</b>	5 x 7/8"
<b>Grit size</b>	36+

> **Result:** 50% more stock removal compared to the previous leading abrasive

# From X-PERTS for X-PERTS



Would you like to find out more about ACTIROX, or request samples?

Call us at:  
**800 737 0176**

Or send us an email:  
**us.info@vsmabrasives.com**

We impart expert knowledge and give comprehensive practical tips in our **webinars** and **seminars**:



[vsmabrasives.com/en/service/webinars](https://vsmabrasives.com/en/service/webinars)



[vsmabrasives.com/en/service/seminars](https://vsmabrasives.com/en/service/seminars)

**us.actirox.com**



## VSM – More than just three letters

### VSM stands for competence, quality and customer service.

Few others understand grinding processes like we do. Not only do we grind every surface to precision, we also analyze 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

VSM develops and produces all the main components such as backing fabrics, resin bonds and abrasive grains at its Hanover site. By doing so, we fulfill our high, self-imposed requirements in industrial, commercial and trade sectors. 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 all 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.

### We make our expertise available for you

The VSM Competence Center (CC) 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).



# Closer to you



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