

ACTIROX

**ABRASIVE GRAIN
IN TOP SHAPE**

The plus in grinding performance

ACTIROX

Made for metal. Made for experts.
Made in Germany.

AK890Y

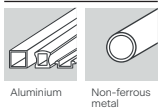
Developed for...



NEW

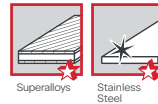
TOP SIZE

Also suitable for...



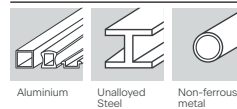
AF890

Developed for...



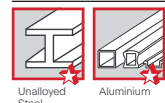
TOP SIZE

Also suitable for...

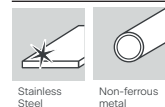


AF799

Developed for...



Also suitable for...



Your grinding operation

Deburring



Removal of imperfections

Bevelling



Grinding of cast parts

Levelling of welded seams



Weld seam preparation

Cleaning





ACTIROX

significantly increases your productivity

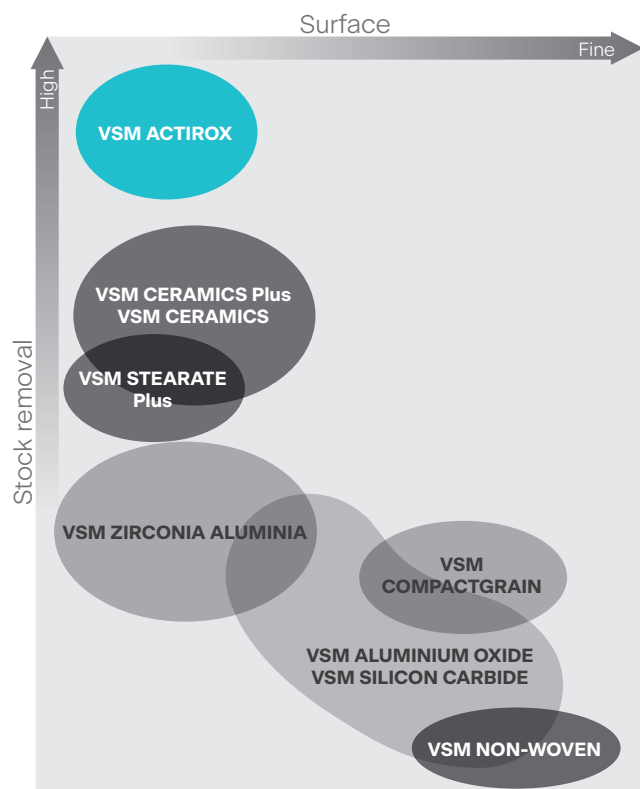
Compelling results in every respect

- > **Maximum stock removal** per time unit thanks to **geometrically shaped ceramic grain**
- > **Very short processing times** thanks to **faster grinding** compared to conventional ceramic grain abrasives
- > **Cool grinding** with no tarnishing and with a **very long service life**
- > **Improved chip clearance** – also when grinding aluminium

The plus in grinding performance

Practice has shown that **ACTIROX** abrasives have a **higher abrasive performance** than comparable conventional abrasives – with a consistent surface finish.

You achieve **higher stock removal** than you would expect with the specified grit size, but you do not get a rougher surface. A real plus for your grinding process.



VSM ACTIROX products



Stock removal ← → Surface

	Rolls (max. width)	Wide belts	Narrow belts	Discs	Backing	Grain technology	Features	20+	24+	36+	40+	50+	60+	80+	100+	120+	150+	180+	240+	320+	400+	VSM range		
NEW	1.480 mm	○	○		Cloth	VSM ACTIROX	▼ TOP SIZE ◊			+													AK890Y	
	1.470 mm			●	Fibre	VSM ACTIROX	▼ TOP SIZE			+		+	+											AF890
	1.470 mm			●	Fibre	VSM ACTIROX				+		+	+											AF799

○ for low to medium contact pressure
 ● for medium to high contact pressure
 ◊ also suitable for wet grinding

▼ **TOP SIZE**
 grinding-active additional layer reduces the temperature in the grinding zone

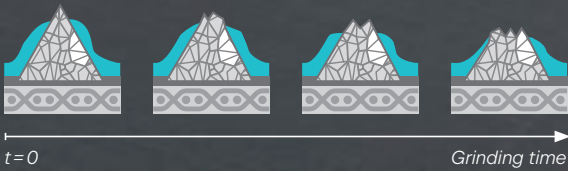
Flexibility of the backing material
 (last letter of the series name):
 Y very sturdy

Last revised: 08/2022

ACTIROX

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.



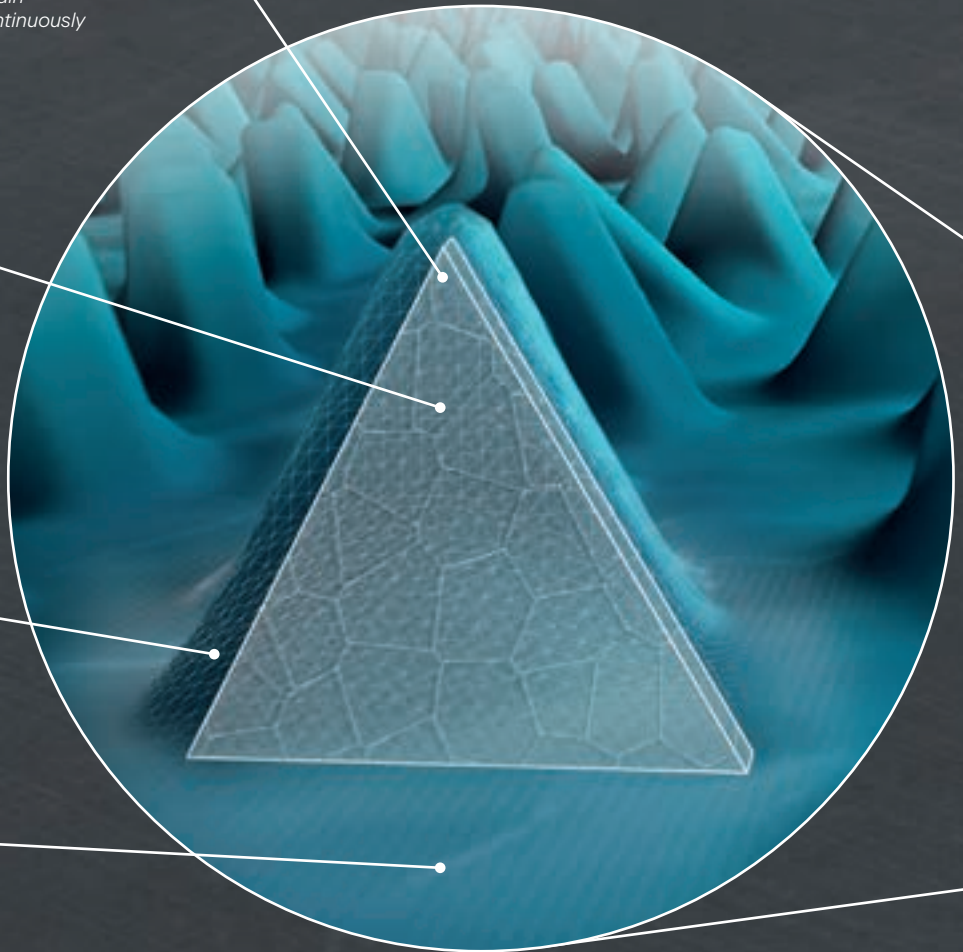
The geometrically shaped ceramic abrasive grain breaks down in a defined manner and thus continuously produces new sharp cutting edges

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



Abrasive grain in top shape - 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



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

20% more workpieces
per shift when descaling



Workpiece	Forged parts
Material	Chrome vanadium steel
Contact wheel	Ø= 60 mm, PA coating, ~ 60° Shore
Cutting speed	27 m/s
Feed rate	Manual
Belt dimensions	80 × 3,800 mm
Series	VSM ACTIROX AK890Y
Grit size	36+
Lubricant	None
Result	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

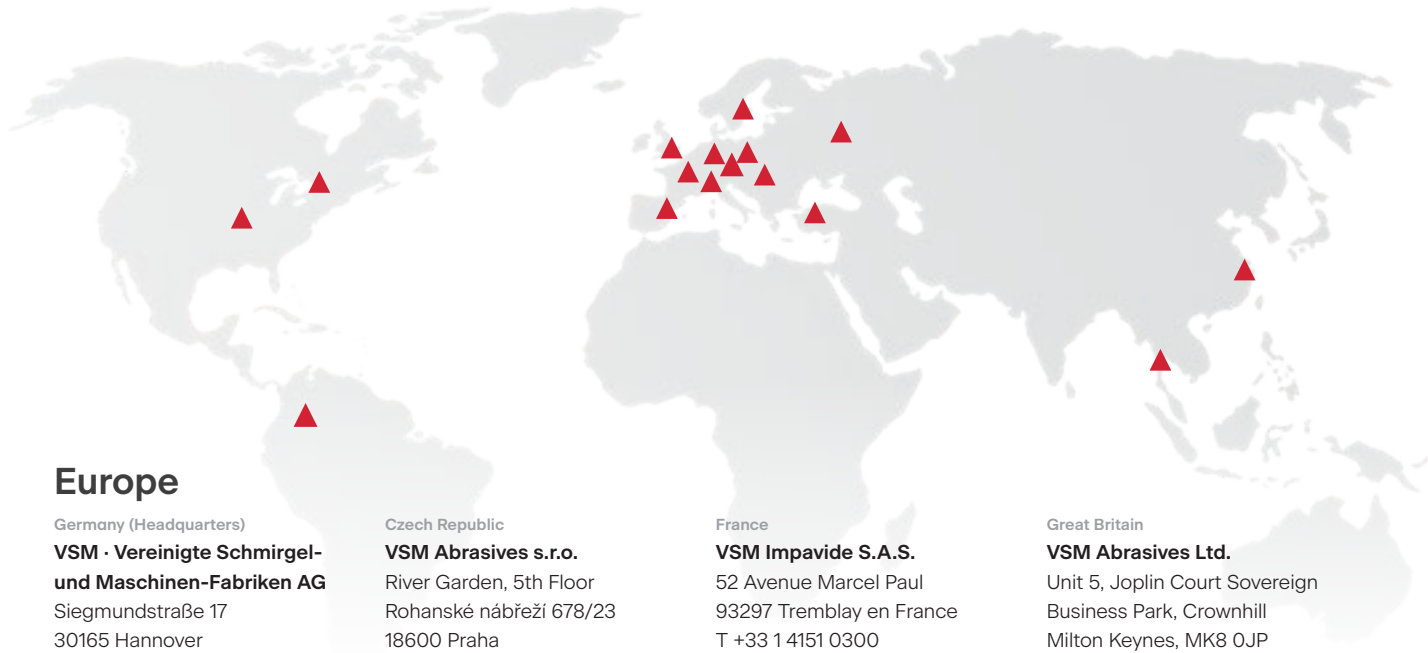
The VSM Competence Center (CC) in Hanover provides an opportunity for product training, seminars and extensive application tests. Customer applications can be adjusted and results reviewed. This service from VSM reduces downtimes and productivity losses for our customers.

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).



The worldwide leader in abrasives.



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