

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 six series are ready for action!

ACTIROX

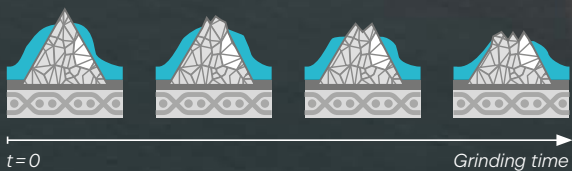
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Abrasive grain – shaped to perfection

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.



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

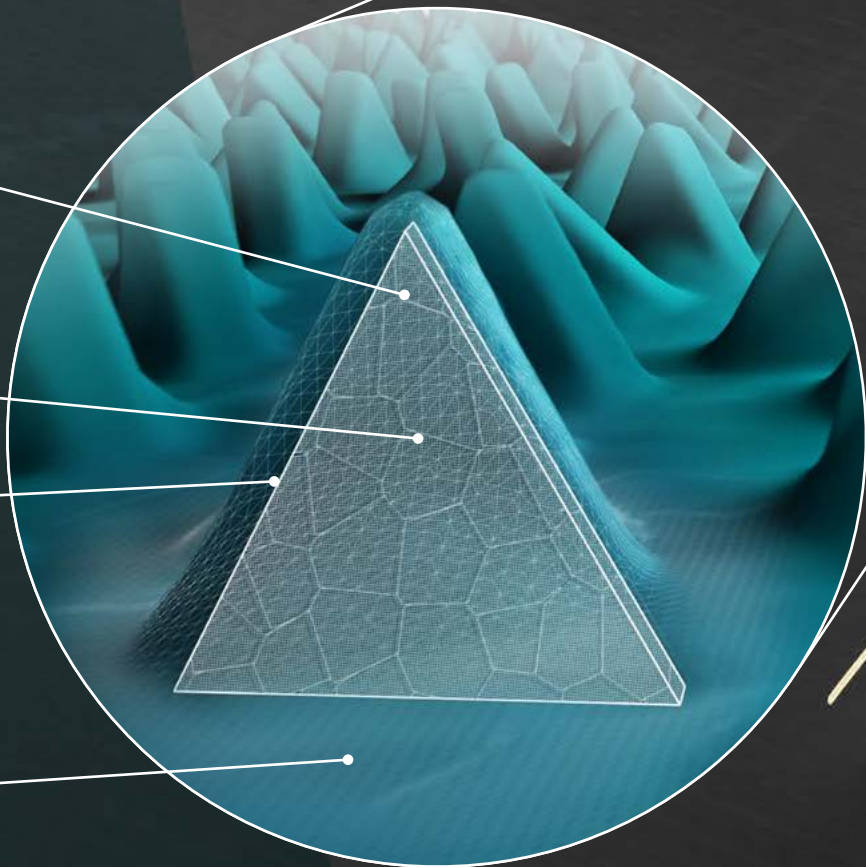
Aligned abrasives grain placement for aggressive and faster grinding

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





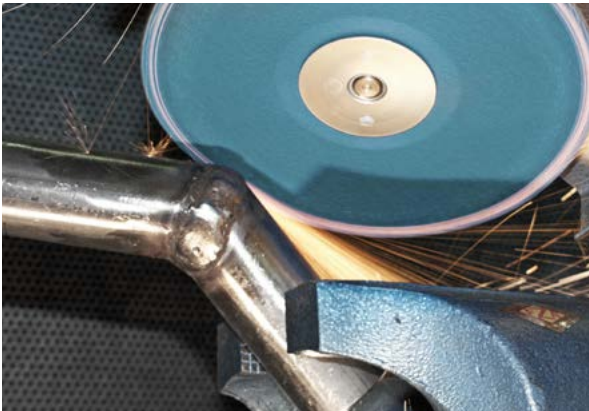
For extreme applications

The new ACTIROX AF979 and AK895Y series are our secret weapon for all hard cases.

The new **ACTIROX AK895Y abrasive belt** and the **AF979 fiber disc** have an extremely long service life – ensuring maximum stock removal. Both series are particularly effective in **heavy-duty applications**, i.e. grinding processes with the highest contact pressures.

Case studies

Weld seam leveling, stainless steel



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

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

Grinding of cast parts



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

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

Processing of cut edges



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



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).



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