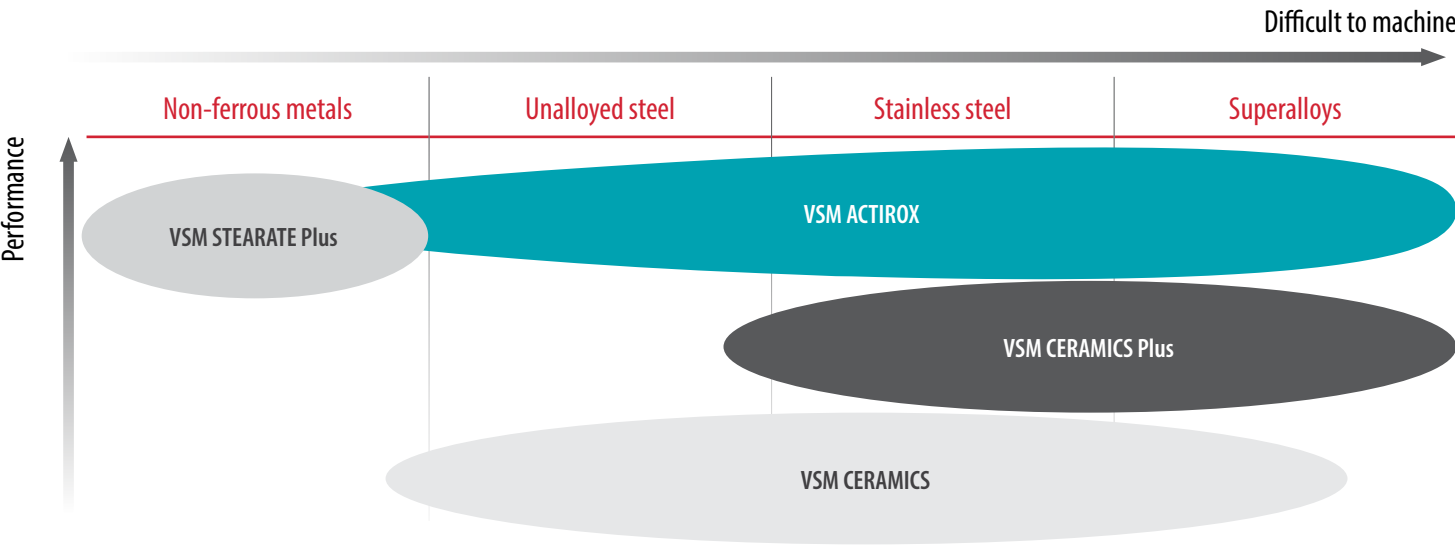


# Significant increase in productivity

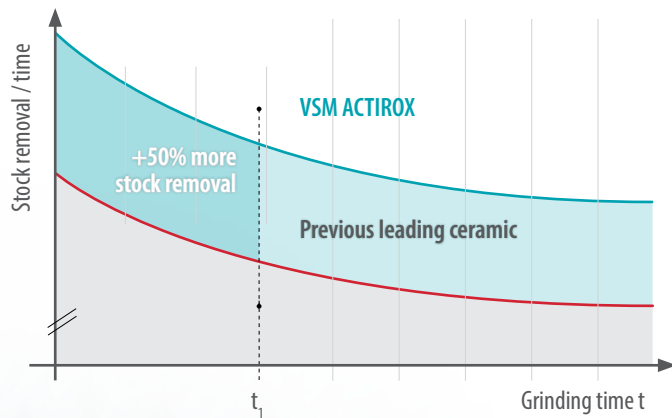
## Ceramic grain technologies

VSM offers an impressive lineup of ceramic products, with VSM ACTIROX yielding the best in performance overall.



## VSM ACTIROX advantages

- > Geometrically-shaped ceramic grains provide maximum stock removal, resulting in quicker processing of workpieces
- > Increased productivity and fewer tool changes results in decreased operating costs
- > Available cool cut grinding technology extends service life



## Typical workpieces

Sheets and slabs



Tools



Pipes and tubes



Tanks and containers



Hydraulic cylinders



Wire



Castings and forgings



Rollers



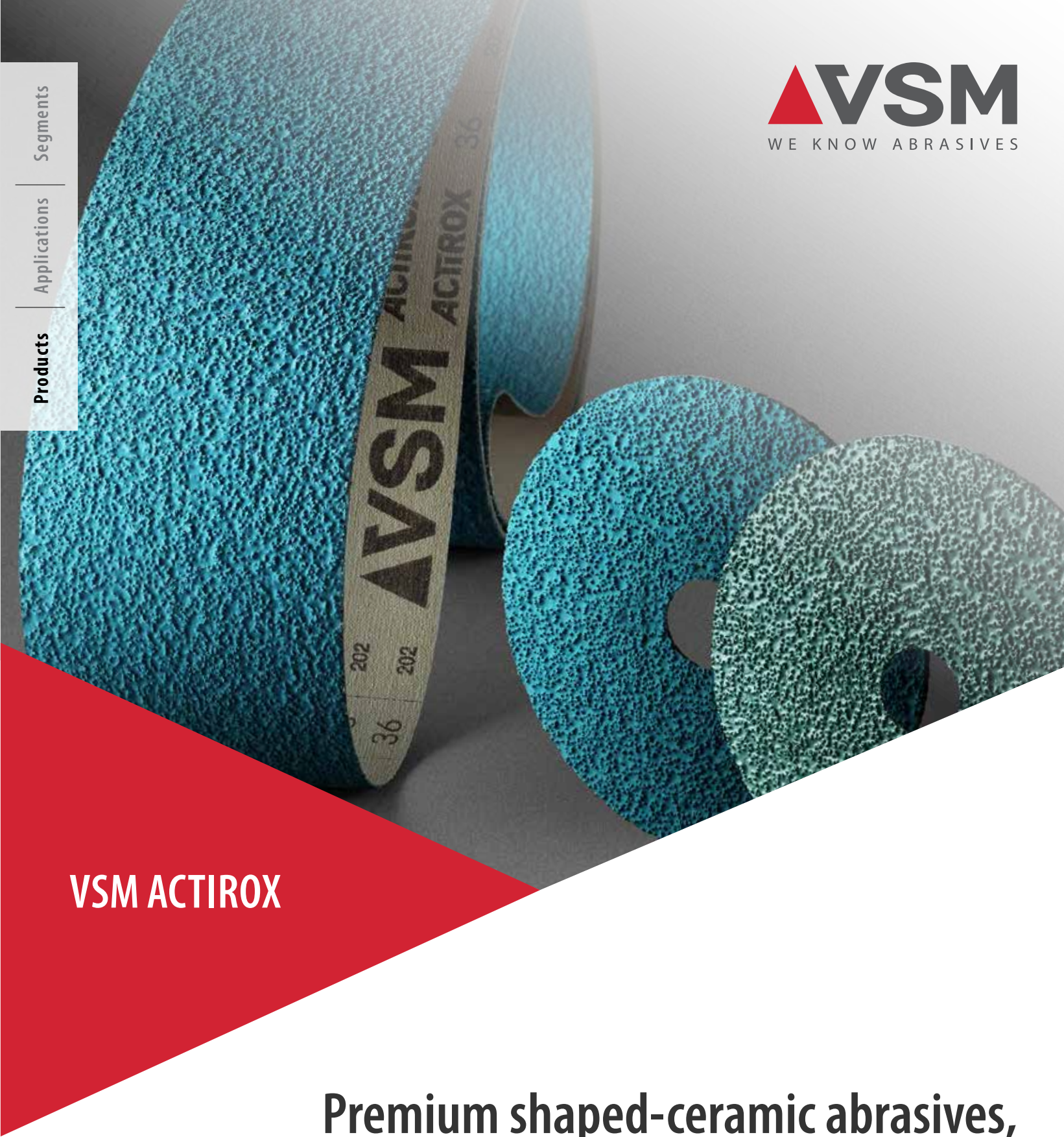
# A worldwide leader in abrasives.



Europe		Americas	
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Visit our website at [www.vsmabrasives.com](http://www.vsmabrasives.com)

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VSM ACTIROX

Premium shaped-ceramic abrasives,  
for maximum stock removal



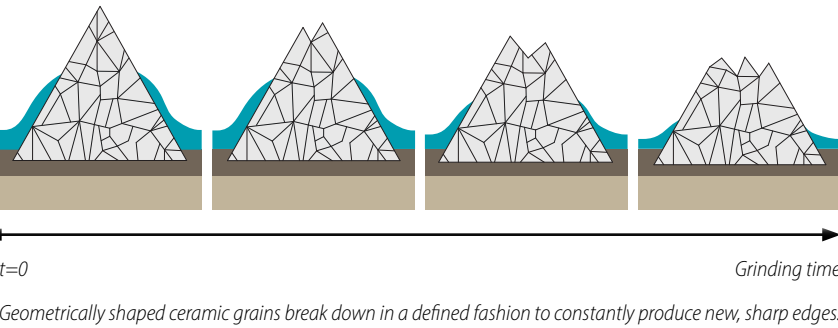
VSM ACTIROX

For maximum stock removal

For more than a decade, ceramic abrasives have been sought-after by metalworking specialists for their unmatched stock removal characteristics. However, geometrically-shaped ceramic grains are quickly proving to be much more effective in high stock removal applications.

VSM ACTIROX is constructed of geometrically-shaped ceramic grains (illustrated below) that break down more consistently over the life of the product. Expertly engineered to produce more stable and sharp cutting edges, users will notice a smoother run with a faster cut rate. Compared to the previously leading ceramic abrasive, field tests have demonstrated 50% higher stock removal rates, with a more immediate and aggressive cut.

Typical applications



German Innovation Award

VSM ACTIROX has received the coveted German Innovation Award from the German Design Council. Spanning multiple market segments, this prize distinguishes new products and solutions that feature radical innovation and added value.



Availability



VSM series	Backing type	Features	Stock removal															Fine finish					Narrow belts	Wide belts	Discs	Resin fiber discs <small>Fiber Lock available</small>	Quick change discs
			20	24	36	40	50	60	80	100	120	150	180	240	320	400											
AK890Y	Cloth (polyester)	▼ TOP SIZE, ∅			■														•		•			•			
AF890	Fiber	▼ TOP SIZE			■																	•		•			
AF799	Fiber				■																	•		•			

Legend

- for medium-to-high contact pressure
- ∅ also suitable for wet applications

▼ TOP SIZE Grinding aid that reduces temperature in the grinding zone

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

Y very sturdy

Boost grinding performance

Backup pads can boost your resin fiber disc performance. Want to learn how? Contact your local VSM Territory Manager to learn more.



Spiral Backup Pad

Ribbed Backup Pad

Impressive results

CASE STUDY: Weld removal



VSM Series	AK890Y
Abrasive form	Narrow belt (3"x 132")
Workpiece	Casting
Material	Inconel
Grinding process	Off hand / Manual backstand
Grit size	36
Lubricants	None
Result	> 50% more yield (gates removed) > No grain shedding

CASE STUDY: Gate removal



VSM Series	AF890
Abrasive form	Resin fiber disc
Workpiece	Casting
Material	Aluminum
Grinding process	Manual
Grit size	36
Lubricants	None
Result	> 50% more stock removal > Smoother cut > Less loading

CASE STUDY: Deburring



VSM Series	AF890
Abrasive form	Quick change disc
Workpiece	Turbine blades
Material	High Nickel Stainless
Grinding process	Manual
Grit size	36
Lubricants	None
Result	> 15% more stock removal > Longer service life

CASE STUDY: Deburring



VSM Series	AF799
Abrasive form	Resin fiber disc
Workpiece	Automotive frames
Material	Carbon steel
Grinding process	Manual
Grit size	36
Lubricants	None
Result	> 10% more stock removal > Longer service life