

# VSM High-Tech Abrasives

## Self-sharpening Compactgrain products

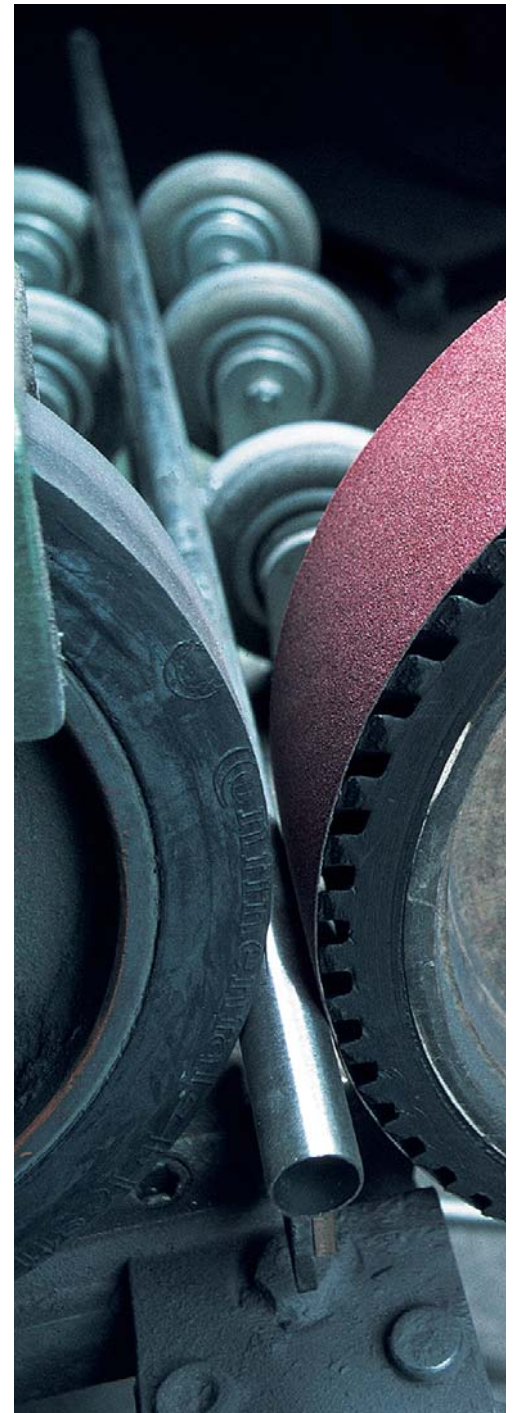
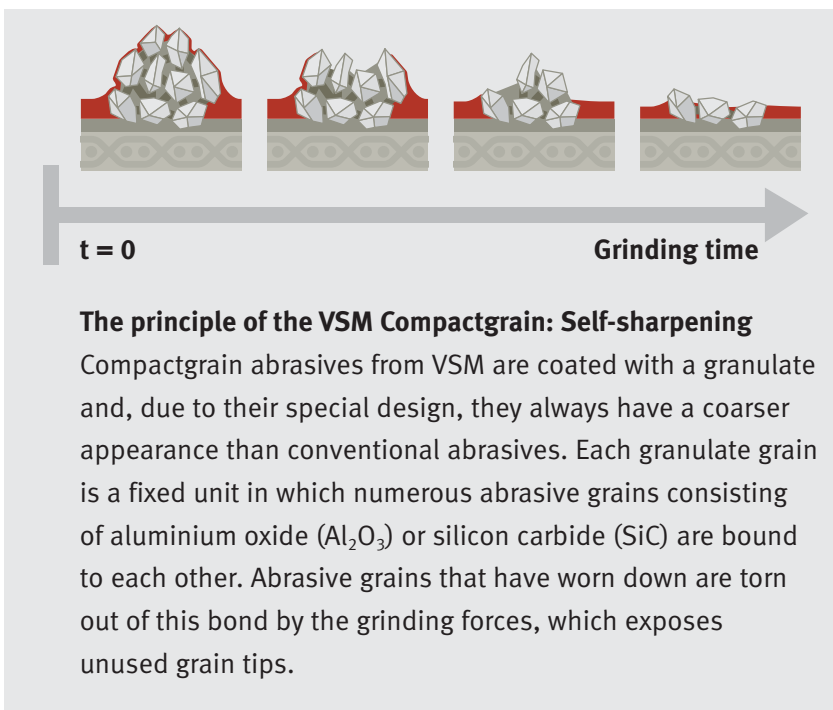
# VSM High-Tech Abrasives

## Self-sharpening Compactgrain products

VSM compactgrain products are the abrasives for continuous grinding operations. With their uniform stock removal rate they achieve consistent surface roughness throughout their long service life. That's VSM quality at the highest level: Compared to conventional abrasives, they produce a significantly more uniform finish combined with fewer set-ups.

Compactgrain abrasives are especially for machine-grinding of:

- stainless steels in centerless and coil grinding process,
- general structural steels in flat grinding process,
- high-temperature steels in external cylindrical grinding process,
- free-cutting steels in deburring grinding process,
- glass in edge cutting process and
- titanium alloys in profile grinding process.



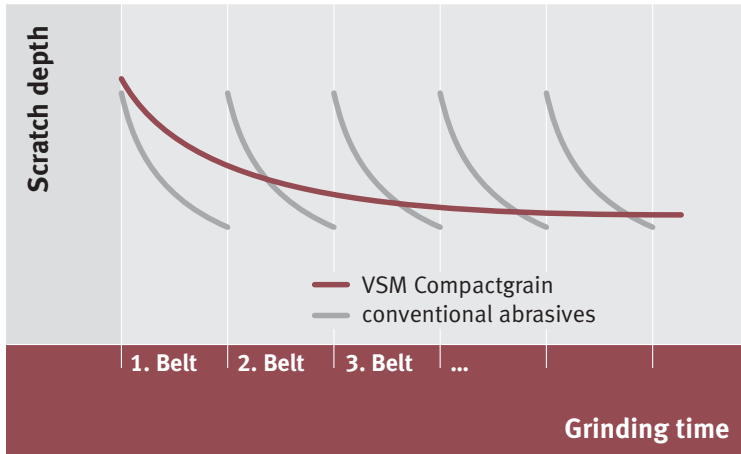
# Your benefit:

## Constant stock removal

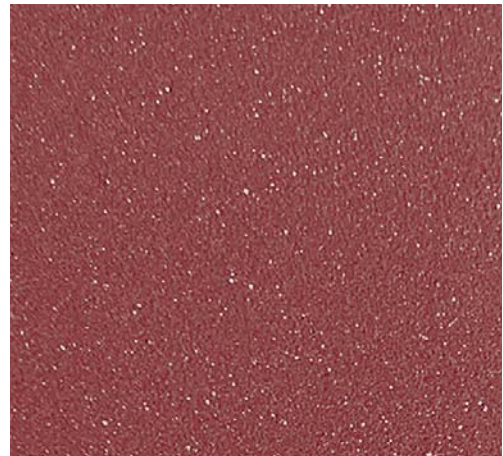
- due to **continuous creation of new cutting edges**

## More even scratch depths and thus more even workpiece surfaces

- due to **constant grinding performance** and significantly **less frequent changing of abrasives**

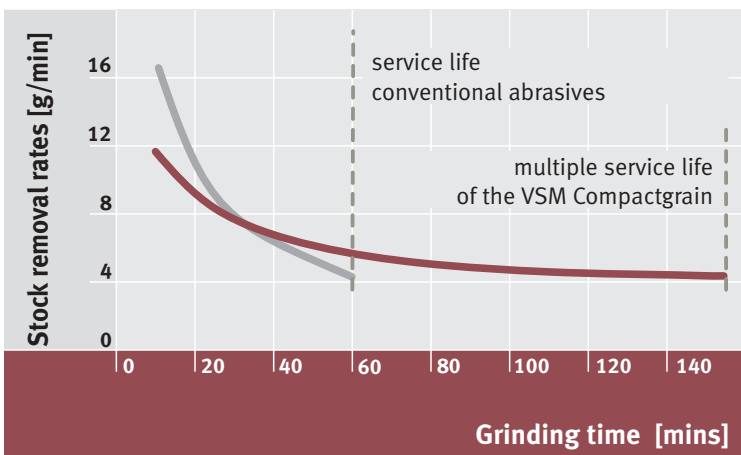


Conventional abrasive P400

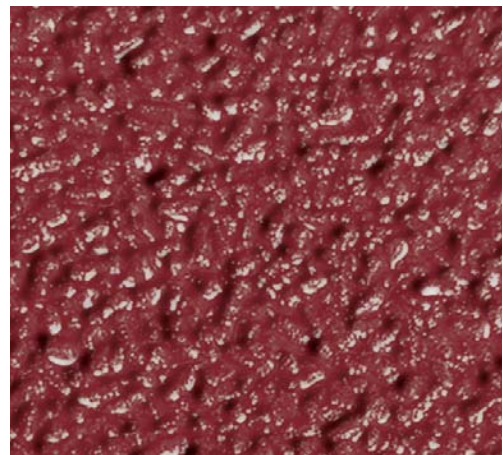


## Very long service life

- due to the **high reserve of abrasives** of the self-sharpening Compactgrain
- due to **excellent adhesion of the grain** to the backing material
- due to the **additional abrasive layer** (with TOP SIZE products)



VSM Compactgrain P400





# Compactgrain products



## Applications:

Machine- and off hand grinding of

- stainless steels
- free-cutting steels
- structural steels
- high-temperature steels
- titanium alloys
- safety glass

Rolls (max. width)	Wide belts	Belts	Discs	Roughing	Finishing	Grain type	VSM series
1090 (●)	○ (●)	○ (●)			240, 320, 400, 600, 800, 1000, 1200	COM-SIC	VSM CK918X
1450 (●)	○ (●)	○ (●)			800	COM-SIC Cork	VSM CK917X
1090 (●)	◎ (●)	◎ (●)		80, 120, 180, 240, 320, 400		COM-SIC	VSM CK748X
1480 (●)	● (●)	● (●)		180, 240		COM-SIC	VSM MK748X
1090	○	○		80, 120, 180, 320, 600		COM-SIC	VSM CK742J
1090	◎	◎		80, 120, 180, 240		COM-AO ▼TOP SIZE	VSM KK834X
1090	○	○		120, 180, 600		COM-AO	VSM KK731X
1090			○	120, 180		COM-AO	VSM KK731K
1480 (●)	● (●)	● (●)		80, 120, 180, 240, 320, 400, 600		COM-AO	VSM LK719X
1090 (●)	◎ (●)	◎ (●)		60, 80, 120, 180, 240, 320, 400, 600		COM-AO	VSM KK718X
1480/1090 (●)	○ (●)	○ (●)		80/120, 180, 240, 320, 400, 600		COM-AO	VSM KK712X
1090	○	○		80, 120, 180, 240, 320, 400		COM-AO	VSM KK712J
1470			○	120, 180		COM-AO	VSM KF736

## Key

- for low to medium contact pressure
- ◎ for medium contact pressure
- for medium to high contact pressure
- (●) suitable for wet applications

- J flexible
- K Velcro backing
- X robust

- COM-AO Compactgrain Aluminium Oxide
- COM-SIC Compactgrain Silicon Carbide
- ▼ TOP SIZE Additional grinding layer for cooler grinding and higher cutting rate

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