

VSM NON-WOVEN

**Solutions for
a perfect surface**

The performance lies in the structure

Sharp and aggressive: aluminium oxide grains for matt surfaces and silicon carbide for a glossy finish. These are the features which always ensure the very best results for every application. Thanks to the flexible, three-dimensional structure of **VSM NON-WOVEN**, the products adapt perfectly to the geometry of the machined workpieces.

VSM has the non-woven products you need for your application

This makes **VSM NON-WOVEN** the abrasives of choice for various lines of industry. Tank and machine manufacturers, manufacturers of tools, valves and fittings and the automotive and aviation industries are only some of those industries which find the best possible product for their application in our range of products. **VSM NON-WOVEN** ensure a flawless surface finish, irrespective of whether they are used for decorative satin finishes, cleaning or light deburring work.

A consistent surface finish

- > thanks to the uniform distribution of the abrasive grains inside the three-dimensional fleece.
- > thanks to the low contact pressure on the workpiece.

Excellent ability to adapt

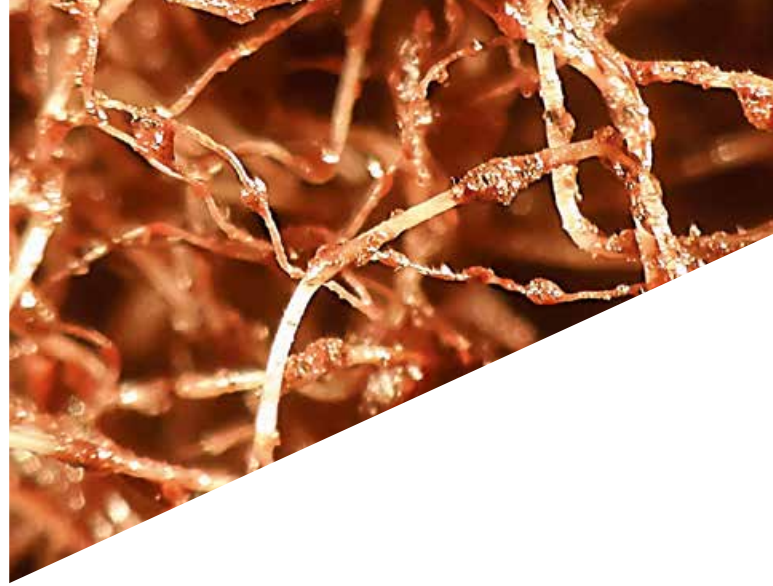
- > thanks to its flexibility and elasticity.
- > does not compromise the tolerances of the workpiece.

Enhanced service life

- > thanks to a continuous exposure of new grain.

Cool grinding

- > thanks to the open three-dimensional structure of the product.
- > thanks to practically no clogging.



Grinding applications:

- > Surface finishing
- > Removal of scratches and lacquer
- > Cleaning
- > Rust removal
- > Bleding of welds
- > Light deburring

Materials:

- > Stainless steel
- > Low-alloyed and unalloyed steel
- > Chrome- and chrome-nickel-steel
- > Nickel-base alloys
- > Titanium-base alloys
- > Castings
- > Aluminium alloys
- > Brass and bronze
- > Plastic

Workpieces:

- > Tubes
- > Containers
- > Sheets
- > Metal structures
- > Turbine blades
- > Sinks
- > Tools
- > Ski und snowboards
- > Car body parts
- > Casts and forged parts
- > Furniture parts (metal)



Non-woven for long belt grinding

VSM KV701X / VSM CV701X

Application		Flat grinding (max. 10 – 12 m/s)
Version		Long belts
Grain type	KV701X	Aluminium oxide (AO)
	CV701X	Silicon carbide (SIC)
Grit size	KV701X	Coarse (100, red-brown) (AO)
	KV701X	Medium (180, red-brown) (AO)
	KV701X	Fine (280, red-brown) (AO)
	CV701X	Fine (280, grey) (SIC)
	CV701X	Very fine (400, grey) (SIC)
	CV701X	Ultra fine (1000, grey) (SIC)
Backing material		Non-woven web laminated on a sturdy backing

The new **VSM NON-WOVEN** on a cloth backing can be used with a contact roll, a platen or a pad. It is recommended for flat and lightly profiled parts made of stainless steel and standard steels as well as non-ferrous metals. It has been specially developed for grinding on long belt machines – with all the advantages of VSM non-woven materials.

Grinding applications:

- > Grinding of flat and slightly profiled parts

Materials:

- > Stainless steel
- > Low-alloyed and unalloyed steels
- > Non-ferrous metals



Workpieces:

- > Sheet metal/metal plates
- > Containers
- > Casings
- > Control cabinets
- > Extractor hoods
- > Cover sheets
- > Sinks

Surface Conditioning products

Thick, needle-felted non-woven on a polyester backing

VSM KV707Y Heavy Duty ◊

Application	Automatic machine grinding, robot grinding, off-hand grinding, backstand
Version	Narrow, long and wide belts
Grain type	Aluminium oxide (AO)
Grit size	Medium (180, red) (AO)
Backing material	Very sturdy, firm polyester backing

VSM KV707X Low Stretch ◊

Application	Automatic machine grinding, Robotic grinding, off-hand grinding, backstand
Version	Narrow, long and wide belts
Grain type	Aluminium oxide (AO), Silicon carbide (SIC)
Grit size	Coarse (100, brown) (AO) Medium (180, red) (AO) Fine (240, blue) (AO) Very Fine (400, grey) (SIC)
Backing material	Sturdy, low stretch polyester backing

VSM KV707T T-Flex ◊

Application	File belts
Version	Short belts and file belts
Grain type	Aluminium oxide (AO)
Grit size	Coarse (100, brown) (AO) Medium (180, red) (AO) Fine (240, blue) (AO)
Backing material	Flexible polyester backing

Flexibility



Sturdiness



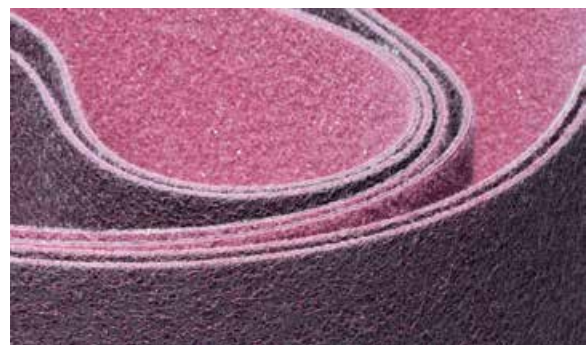
VSM KV707K velour-backed non-woven (disc) ◊

Application	Angle grinder, disc sander (max. 30 m/s)
Version	Discs
Grain type	Aluminium oxide (AO)
Grit size	Coarse (100, brown) (AO) Medium (180, red) (AO) Fine (240, blue) (AO)
Backing material	Polyester backing with fleece loops on the upper surface of the backing

VSM KV707 non-woven on fibre backing (disc)

Application	Angle grinder (max. 56 m/s)
Version	Discs
Grain type	Aluminium oxide (AO)
Grit size	Coarse (100, brown) (AO) Medium (180, red) (AO)
Backing material	Fibre backing

All VSM non-woven series are suitable for dry grinding
◊ also suitable for wet grinding



Products for cleaning & finishing

Soft, open fibre fleece, both sides can be used



VSM KV701 / VSM CV701

Application		Disc and orbital sanders, Off-hand grinding, manual
Version		Pads and rolls
Grain type	KV701	Aluminium oxide (AO)
	CV701	Silicon carbide (SIC)
Grit size	KV701	Coarse (100, red-brown) (AO)
	KV701	Medium (180, red-brown) (AO)
	KV701	Fine (280, red-brown) (AO)
	CV701	Fine (280, grey) (SIC)
	CV701	Very fine (400, grey) (SIC)
	CV701	Ultra fine (1000, grey) (SIC)
Notes		Suitable for making abrasive tools such as wheels, rolls and discs.

VSM KV301 / VSM CV301

Application		Orbital sander, Off-hand grinding, manual
Version		Pads and rolls
Grain type	KV301	Aluminium oxide (AO)
	CV301	Silicon carbide (SIC)
Grit size	KV301	Coarse (100, red-brown) (AO)
	KV301	Medium (180, red-brown) (AO)
	KV301	Fine (280, red-brown) (AO)
	CV301	Very fine (400, grey) (SIC)
	CV301	Ultra fine (1000, grey) (SIC)



VSM KV701K velour-backed non-woven

Application		Angle grinder, disc sander (max. 30 m / s)
Version		Discs
Grain type		Aluminium oxide (AO)
Grit size	Coarse	(100, red-brown) (AO)
	Medium	(180, red-brown) (AO)
	Fine	(280, red-brown) (AO)



A worldwide leader in abrasives.



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