



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

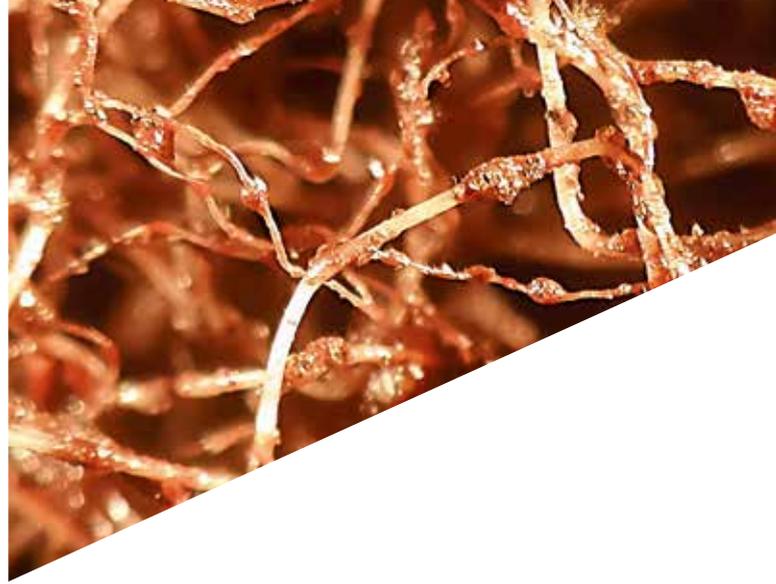
- > thanks to its flexibility and elasticity.
- > does not compromise the tolerances of the workpiece.

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:

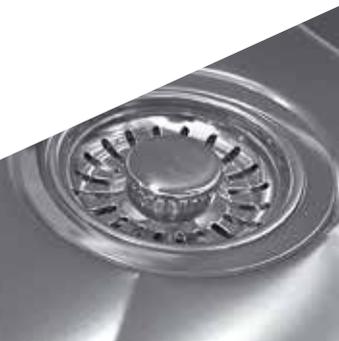
- > Surface finishing
- > Removal of scratches and lacquer
- > Cleaning
- > Rust removal
- > Bleding of welds
- > Light deburring

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	Very fine (400, grey) (SIC)
	CV701X	Ultra fine (1000, grey) (SIC)
Backing material		Non-woven web laminated on a sturdy backing

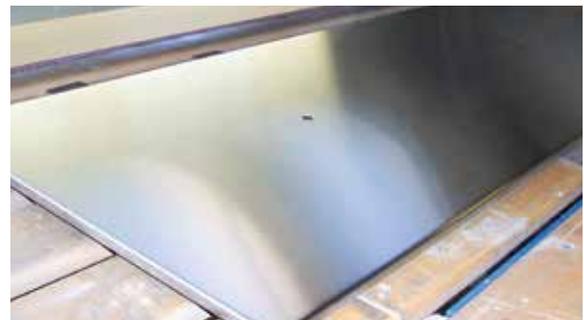
The new **VSM NON-WOVEN** on a cloth backing can be used with a contact roll, a platen or a pad. It is recommended for flat and lightly profiled parts made of stainless steel and standard steels as well as non-ferrous metals. It has been specially developed for grinding on long belt machines – with all 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 KV710X Low Stretch & velour-backed non-woven (disc) ◊

Application	Robotic grinding, off-hand grinding, backstand, angle grinder, disc sander (max. 30 m/s)
Version	Narrow, long and wide belts, discs
Grain type	Aluminium oxide (AO), Silicon carbide (SIC)
Grit size	Coarse (100, brown) (AO) Medium (180, red) (AO) Very fine (240, blue) (AO) Ultra fine (400, grey) (SIC)
Backing material	Sturdy, low stretch polyester backing

VSM KV707X Low Stretch ◊

Application	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) Very fine (240, blue) (AO) Ultra 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) Very fine (240, blue) (AO)
Backing material	Flexible polyester backing

VSM KV707Y Heavy Duty ◊

Application	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 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) Very 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



Flexibility



Sturdiness



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.



Europe

Germany (Headquarters)

VSM · Vereinigte Schmirgel- und Maschinen-Fabriken AG
Siegmundstraße 17
30165 Hannover
T +49 511 3526 478
www.vsmabrasives.de

Czech Republic

VSM Abrasives s.r.o.
River Garden, 5th Floor
Rohanské nábřeží 678/23
18600 Praha
T +420 277 015 300
www.vsmabrasives.cz

France

VSM Impavide S.A.S.
52 Avenue Marcel Paul
93297 Tremblay en France
T +33 1 4151 0300
www.vsmabrasives.fr

Great Britain

VSM Abrasives Ltd.
Unit 5, Joplin Court Sovereign
Business Park, Crownhill
Milton Keynes, MK8 0JP
T +44 19 0831 0207
www.vsmabrasives.co.uk

Hungary

VSM Abrasives Hungary Ltd.
Leshegy út 31
2310 Szigetszentmiklós
T + 36 24 519223
www.vsmabrasives.hu

Poland

PFERD-VSM Sp. z o.o.
Ul. Polna 1A
62-025 Kostrzyn Wielkopolski
T +48 61 8970 480
www.pferdvsmp.pl

Russia

VSM AG · Russian Representative Office
141006, Moscow region
c. Mytishchi Volkovskoe
roadway vl. 5a, str. 1, of. 208
T +7 499 346 35 27
www.vsmabrasives.ru

Spain

VSM · VITEX ABRASIVOS IBERICA, S.A.U.
Ctra. de Molins de Rei,
79A, Nave 8
08191 Rubí (Barcelona)
T +34 93 697 3411
www.vsmabrasives.es

Sweden

PFERD-VSM AB
Stockholmsvägen 18, 7 tr
18150 Lidingö
T +46 8 5647 2300
www.pferd-vsm.se

Switzerland

PFERD-VSM (Schweiz) AG
Zürichstr. 38 B
8306 Brüttsellen
T +41 44 805 2828
www.pferd-vsm.ch

Turkey

STARCKE VSM VITEX Zimpara Teknolojisi Sanayi ve Dis Ticaret Ltd. Sti.
AYOSB Gazi Bulvari 8.
Sokak No: 5
Tuzla Istanbul
T +90 216 591 06 17
T +90 216 591 07 01
www.starckevsm.com

Americas

Canada

VSM Abrasives Canada Inc.
2425 Wyecroft Road Unit #1
Oakville, Ontario
L6L 6R5
T +1 905 827 0005
www.vsmabrasives.ca

Latin America

VSM Latinoamérica S.A.S.
Carrera 9 No. 115-06
Edificio Tierra Firme Piso 17
Bogota, Colombia
T +57 1 639 8489
M +57 316 8311705
www.vsmabrasives-latinamerica.com

Asia

China

VSM Abrasives (China) Co. Ltd.
Rooms 203/205, Building C,
No. 38, Xuxiang Road, Qingpu
District, Shanghai, P.R. China
Postal Code: 201702
T +86 21 5976 2011
www.vsmabrasives.com.cn

Thailand

VSM Abrasives Asia Pacific Pte. Ltd.
Thailand Representative Office
444 Olympia Thai Tower, 13th FL
Ratchadaphisek Rd., Samsennok
Huay Kwang, Bangkok 10310
T +66 2 513 7441
www.vsmabrasives-apac.com

USA

VSM Abrasives Corp.
1012 East Wabash St.
O'Fallon, Mo. 63366
T +1 636 272 7432
us.vsmabrasives.com



Visit our website at
www.vsmabrasives.com