



**METALWORKING**

**Range of abrasive products  
specifically for metalworking**

# Metal finishing to a science

Metalworking professionals require reduced production time with high-quality results. It is also a necessity to save on overall costs. VSM abrasives has over 150 years of expertise and a broad range of cost-effective, coated abrasive solutions engineered to improve grinding processes within the metalworking industry.

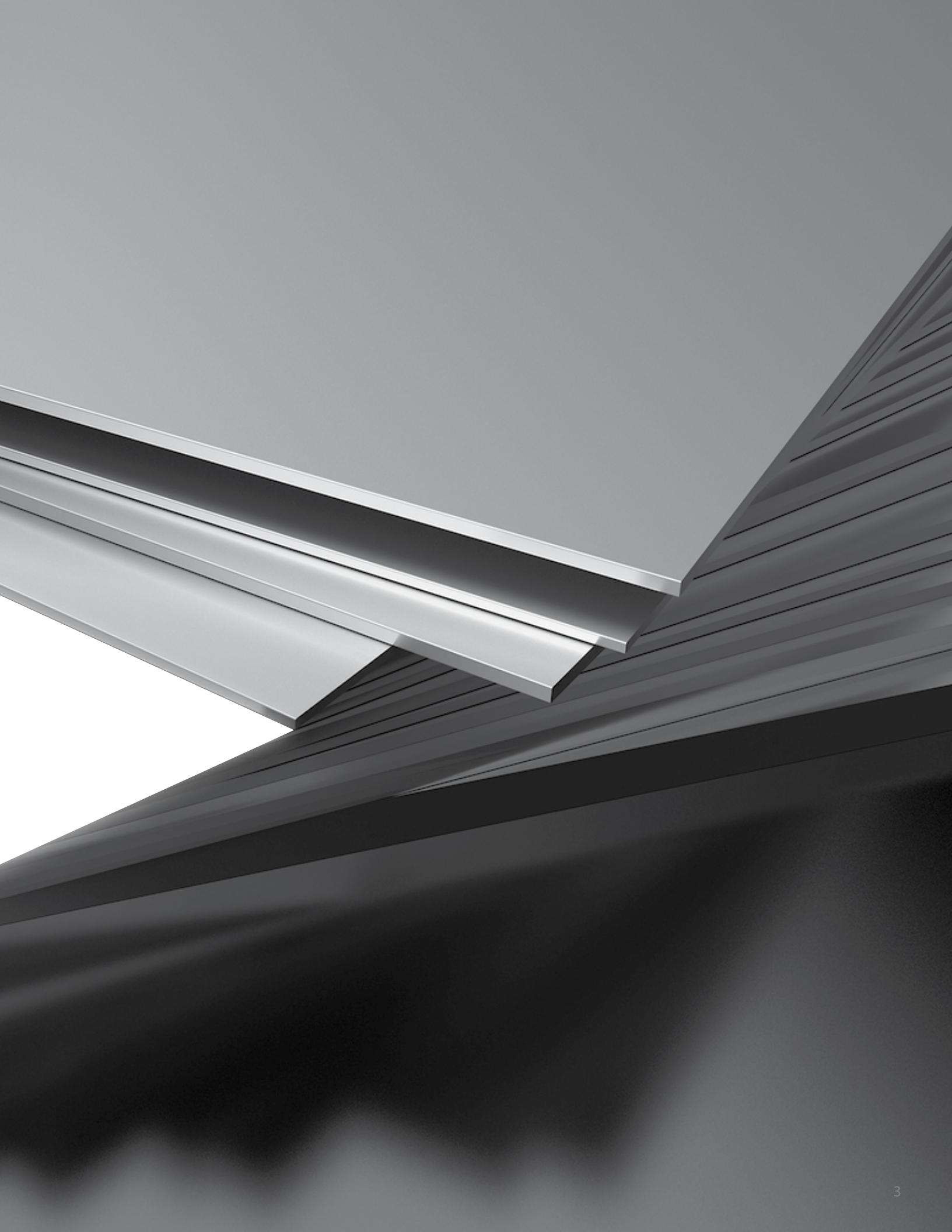
VSM abrasives has been producing the highest quality coated abrasives for over 150 years, based on a combination of experience and knowledge gained from working one-on-one with our customers.

We focus on partnership-based collaborations between abrasive users, machinery manufacturers, and our own engineering department to further

develop abrasive technologies. This collaboration guarantees application specific expertise that is capable of developing products that are in tune with market requirements.

Our expertly appointed Territory Managers and Technical Service Engineers are available to advise you on products for the most complex and demanding applications, no matter what technical challenges are involved.

The following tables are a guide to helping you find the right abrasive for your specific application. However, don't hesitate to contact us for more personal service.





VSM Series	Backing Material	Backing Flex	Special Feature	Grit Size												
				P16	P20	P24	P30	P36	P40	P50	P60	P80	P100	P120	P150	P180
<b>VSM ALUMINUM OXIDE</b>																
KP222	Paper	"E" Weight	AS			■		■	■		■					
		"F" Weight	AS								■	■	■	■	■	■
KP532E	Paper	"E" Weight	ST										■	■	■	■
KP709	Paper	"F" Weight						□		■	■	■	■	■	□	□
KK711E	Cotton	Extremely Flexible								■	□	□	□	□	■	■
KK841F	Cotton	Very Flexible	TS							□	□	□	□	□	□	□
KK532F	Cotton	Very Flexible	ST								■	■	■	■	■	■
KK511F	Cotton	Very Flexible								■	■	■	■	□	■	■
KK112F	Cotton	Very Flexible						■		■	■	■	■	■	■	■
KK114F	Cotton	Very Flexible						■	■	■	■	■	■	■	■	■
KK511J	Cotton	Flexible								■	■	■	■	■	■	■
KK505J	Cotton	Flexible									■	■	■	■	■	
KK551T	Cotton	Moderate						□		□	□		□		□	
KK711T	Cotton	Moderate							■	■	■	■	■	■	■	■
KK812X	Polyester	Sturdy	TS, ♠					□	□	□	□	□				
	Cotton	Sturdy	TS									□	□	□	□	
KK732X	Polyester	Sturdy	ST			□		□	□	□						
KK711X	Polyester	Sturdy	♠		□	■	□	■	■	■	■	■				
	Cotton	Sturdy										■	■	■	■	■
KK551X	Cotton	Sturdy						□		□	□	□	□	□	□	□
KK711Y	Polyester	Very Sturdy	♠					■	■	■	■	■	■	■	■	
	Cotton	Very Sturdy	♠													■
<b>VSM ALUMINUM OXIDE Fiber Discs</b>																
KF808	Fiber		TS					□		□	□	□	□	□	□	□
KF708	Fiber				□	■	□	■	■	■	■	■	■	■	□	
<b>VSM SILICON CARBIDE</b>																
CP918A	Paper	"A" Weight	♠													■
CP918C	Paper	"C" Weight	♠									□	■	□	■	■
CP501	Paper	"E" Weight						■		■	■	■	■	■	■	■
CK721J	Cotton	Flexible									■	■		■	■	■
CK721X	Polyester	Sturdy	♠			■		■	■	■	■	■	■	■	■	
	Cotton	Sturdy	♠													■
CK722Y	Polyester	Very Sturdy	AS, ♠			■		□	□	□	■	■	■	■	□	



Grit Size												Product Form				
P240	P280	P320	P360	P400	P500	P600	P800	P1000	P1200	P1500	Narrow Belt	Wide Belt	Discs	Rolls	Sheets	
											○	○	○	○	○	
■	■	■		■							○	○	○	○	○	
		□									○	○	○	○		
□		□		□	□						⊗	⊗	⊗			
□		□		□	□						○			○		
□	□	□		□							○		○	○		
■		■		■		■					○		○	○	○	
■	□	■	□	■	□	■	■				○			○	○	
■		■		■									○	○	○	
■	■	■	□	■									○	○	○	
■	■	■	□	■	■						○			○	○	
											●			●		
■	□	■		■	■						⊗		⊗	⊗		
											⊗	⊗				
											⊗	⊗				
											●	●	●			
■	■	■		■							●	●	●	●		
□	□	□		□	□						●			●		
											●	●	●			
■	■	■		■	■						●	●	●			
													⊗			
													⊗			
■	□	■	□	■	■	■	■	■	■	■			○	○	○	
		■	■	■		■	□	■	■		○		○	○	○	
■	□	■		■							○	○	○	○		
□	□										○		○	○		
											○	○	○	○		
■		■		■		■					○	○	○	○		
											○	○	○			

SYMBOL KEY	
TS	TOP SIZE
ST	STEARATE
ST+	STEARATE Plus
AS	ANTISTATIC
◆	Suitable for Wet Applications
■	Stocked Product
□	Available, Not Stocked
○	For low to medium contact pressure
⊗	For medium contact pressure
●	For medium to high contact pressure

Availability is subject to change.

**What' the difference?**

Top size is used to reduce friction and heat.

Stearate is used to help prevent loading.



VSM Series	Backing Material	Backing Flex	Special Feature	Grit Size														Product Form				
				20	24	36	40	50	60	80	100	120	150	180	240	320	400	Narrow Belt	Wide Belt	Discs	Rolls	Sheets
<b>VSM ZIRCONIA ALUMINA</b>																						
ZK713T	Cotton	Moderate				■	□	■	■	■		■						●		●	●	
ZK744X	Polyester	Sturdy	TS, ♠			■	■	■	■	■								●	●	●		
KK715X	Polyester	Sturdy	♠		■	■	■	■	■	■								●	●	●		
ZK713X	Polyester	Sturdy	♠		■	■	■	■	■	■	■	■	□					●	●	●		
KK815Y	Polyester	Very Sturdy	TS, ♠			■	■	■	□	■	□							●	●			
KK716	Polyester	Very Sturdy	♠		■	■	■	■										●	●			
KK717	Polyester	Extremely Sturdy	♠	□	■	■												●	●	●		
<b>VSM ZIRCONIA ALUMINA Fiber Discs</b>																						
ZF714	Fiber				□	■	□	□	■	□	□	□								○		
ZF713	Fiber				■	■	□	■	■	■	□	■								○		
<b>VSM CERAMICS</b>																						
XP780	Paper	"F"Weight							■	■	■	■						○	○	○		
XK870F	Cotton	Very Flexible	TS						□	■	■	■	■	■	□	□	□	○		○	○	
XK870J	Polyester	Flexible	TS, ♠					■	■	■	■	■						○		○		
XK870T	Cotton	Moderate	TS			■	■		■	■		■						○		○		
XK875X	Polyester	Sturdy	TS, ♠		■	■	■	■	■	■	■	■	■					●	●	●		
XK870X	Polyester	Sturdy	TS, ♠		■	■	■	■	■	■	■	■	■					●	●	●		
XK760X	Polyester	Sturdy	♠		■	■	■	■	■	■	■	■	■					●	●	●		
XK733X**	Polyester	Sturdy	ST+, ♠			■	■		■	■								●	●	●		
XK885Y*	Polyester	Very Sturdy	TS, ♠	■	■	■	■	■	■	■	■	■	■					●	●			
XK880Y*	Polyester	Very Sturdy	TS, ♠	■	■	■	■	■	■	■	■	■	■					●	●			
XK870Y	Polyester	Very Sturdy	TS, ♠				□		□									●	●			
XK760Y	Polyester	Very Sturdy	♠	□	□	□			■	□	□	□						●	●	●		
XK888Z	Polyester	Extremely Sturdy	TS, ♠		□	■												●	●			
XK877Z	Polyester	Extremely Sturdy	TS, ♠	■	■	■	■	■	■									●	●			
<b>VSM CERAMICS Fiber Discs</b>																						
XF870	Fiber		TS		■	■	■	■	■	■	■	■								●		
XF733**	Fiber		ST+		■	■			■	■										●		
XF760	Fiber				■	■	■	■	■	■		□								●		
XF885*	Fiber		TS	■	■	■	■	■	■	■	■	■								●		

\*VSM CERAMICS Plus  
\*\*VSM STEARATE Plus

VSM Series	Backing Material	Backing Flex	Special Feature	Grit Size														Product Form				
				20	24	36	40	50	60	80	100	120	150	180	240	320	400	Narrow Belt	Wide Belt	Discs	Rolls	Sheets
<b>VSM ACTIROX</b>																						
AF799	Fiber					■														●		
AF890	Fiber		TS			■														●		

VSM Series	Grain Type	Backing Material	Backing Flex	Special Feature	Grit Size										Product Form						
					P80	P120	P180	P240	P320	P400	P600	P800	P1000	P1200	P2000	Narrow Belt	Wide Belt	Discs	Rolls	Sheets	
<b>VSM ILUMERON</b>																					
RK700X	Aluminum Oxide	Polyester	Sturdy	♠		■		■	■	■	■	■	■	■	■	■	■	○	○	○	

VSM Series	Grain Type (multi-layer)	Backing Material	Backing Flex	Special Feature	Grit Size										Product Form							
					P60	P80	P120	P180	P240	P320	P400	P600	P800	P1000	P1200	Narrow Belt	Wide Belt	Discs	Rolls	Sheets		
<b>VSM COMPACTGRAIN</b>																						
KP712	Aluminum Oxide	Paper	"F" Weight				□	□	□	□	□	□	□	□	□	□	□	○	○	○		
KK712F	Aluminum Oxide	Cotton	Very Flexible				□	□	□	□	□	□	□	□	□	□	□	○		○		
KK772J	Aluminum Oxide	Polyester	Flexible	♠		■	■	■	■	■	■	■	■	■	■	■	■	⊙		⊙		
KK770J	Aluminum Oxide	Polyester	Flexible	♠		□	□	□	□	□	□	□	□	□	□	□	□	⊙	⊙			
KK712J	Aluminum Oxide	Cotton	Flexible			■	■	■	■	□	□						⊙		⊙			
KK731X	Aluminum Oxide	Cotton	Sturdy				■	□					□				○		○			
KK834X	Aluminum Oxide	Polyester	Sturdy	TS, ♠		□	■	■	■								●	●				
KK772X	Aluminum Oxide	Polyester	Sturdy	♠		□	■	■	■	□	■	□	□	□	□	□	⊙	⊙	⊙			
LK719X	Aluminum Oxide	Polyester	Sturdy	♠		□	□	■	■	■	■	■	□				⊙	⊙				
KK718X	Aluminum Oxide	Polyester	Sturdy	♠		■	■	■	■	■	■	■	■				⊙	⊙				
KK712X	Aluminum Oxide	Polyester	Sturdy	♠			■	■	■	■	■	■	■				⊙	⊙	⊙			
KK791Y*	Aluminum Oxide	Polyester	Very Sturdy	♠				■	■	■	■	■	■	■			⊙	⊙			⊙	
KK790Y*	Aluminum Oxide	Polyester	Very Sturdy	♠		■	■	■	■	■	■	■	■	■	■	■	●	●			●	
CK742J	Silicon Carbide	Cotton	Flexible				■	■	■		■						○		○			
CK772T	Silicon Carbide	Polyester	Moderate	♠		□	□	□	□	□	□	□	□	□	□	□	○	○	○			
MK748X	Silicon Carbide	Polyester	Sturdy	♠			□	□	■								●	●				
CK918X	Silicon Carbide	Polyester	Sturdy	♠					■	■	■	■	■	■	■	■	○	○				
CK748X	Silicon Carbide	Polyester	Sturdy	♠			■	■	■	■	■	□					○	○				
<b>VSM COMPACTGRAIN Fiber Discs</b>																						
KF736	Aluminum Oxide	Fiber					□	□												○		
KF712	Aluminum Oxide	Fiber					□													⊙		

\*VSM COMPACTGRAIN Plus

VSM Series	Backing Material	Special Feature	Grit Size							Product Form				
			357 µm (P40)	251 µm (P60-80)	126 µm (P120)	91 µm (P180)	64 µm (P240-320)	46 µm (P400)	30 µm (P500)	Narrow Belt	Wide Belt	Discs	Rolls	Sheets
<b>VSM DIAMOND</b>														
DA931X	Aramid Cloth	FIF, ♠		□	□	□	□	□	□		●		●	
DA930X	Aramid Cloth	FIF	□	□	□	□	□	□	□		●		●	
DA920Y	Aramid Cloth	FULL			□	□	□	□	□	□	●		●	
<b>VSM CBN</b>														
BA970X	Aramid Cloth	FIF		□	□	□	□	□	□		●		●	
BA960Y	Aramid Cloth	FULL			□	□	□	□	□		●		●	

VSM Series	Grain Type (multi-layer)	Backing Material	Special Feature	Grit Size					Product Form				
				Coarse	Medium	Fine	Very Fine	Ultra Fine	Narrow Belt	Wide Belt	Discs	Rolls	Sheets
<b>VSM NON-WOVEN</b>													
KV707X	Aluminum Oxide	Polyester Fabric	Low Stretch, ♠	■	■	■	■			○	○		
	Silicon Carbide	Polyester Fabric	Low Stretch, ♠						■	○	○		
KV707T	Aluminum Oxide	Polyester Fabric	X-Flex, ♠	■	■	■	■			○			

### NEED MORE ASSISTANCE?

Contact your local Territory Manager, using our online zip code search. Visit [us.vsmabrasives.com](http://us.vsmabrasives.com).

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# A worldwide leader in abrasives.



## Europe

### Germany (Headquarters)

**VSM - Vereinigte Schmirgelund Maschinen-Fabriken AG**  
Siegmundstraße 17  
30165 Hannover  
T +49 511 3526 479

### France

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

### Great Britain

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

### Hungary

**VSM-VITEX Magyarország  
Kereskedelmi Kft.**  
Nagytétényi út 72  
1222 Budapest  
T +36 1 424 06 87

### Poland

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

### 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

### Spain

**Vitex Abrasivos, S.A. Unip.  
VSM - España**  
Ctra. de Molins de Rei,  
Nº 79A - Nave 8  
08191 RUBÍ (Barcelona)  
T +34 93 697 3411

### Sweden

**PFERD-VSM AB**  
Radiovägen 3B  
18155 Lidingö  
T +46 8 5647 2300

### Switzerland

**PFERD-VITEX (Schweiz) AG**  
Zürichstr. 38 B  
8306 Brüttsellen  
T +41 44 805 2828

### Turkey

**STARCKE VSM VITEX Zimpara  
Teknolojisi Sanayi ve Dis  
Ticaret Ltd. Sti.**  
Yan Sanayi Sitesi  
Nubuk Cad. No: 8, Kat 1 – 4  
34953 Istanbul/Tuzla  
T +90 216 591 07 01

## Americas

### Canada

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

### Latin America

**VSM Latinoamérica S.A.S.**  
Carrera 9 No. 115-06  
Edificio Tierra Firme Piso 17  
Bogotá, Colombia  
T +57 1 639 8489  
M +57 316 8311705

### USA

**VSM Abrasives Corp.**  
1012 East Wabash St.  
O'Fallon  
Mo. 63366  
T +1 636 272 7432

## Asia

### China

**VSM AG - Shanghai  
Representative Office**  
Rm. 5I, Zhao Feng Univ. Bldg.  
No. 1800, Zhong Shan Xi Rd.  
Shanghai 200235  
T +86 21 6270 2642

### Thailand

**VSM AG - Thailand  
Representative Office**  
444 Olympia Thai Tower  
13th Floor Ratchadaphisek  
Road, Samsennok  
Huay Kwang, Bangkok 10310  
T +66 2 513 7441



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