

3M Abrasives Systems

**Scotch-Brite™
Unitized Wheels
Product and Application
Training Playbook**

**Channel /Distribution Partners
version**

- ✓ UNCOMPROMISING QUALITY
- ✓ LASTS LONG, FINISHES STRONG
- ✓ REPEATABLE RESULTS



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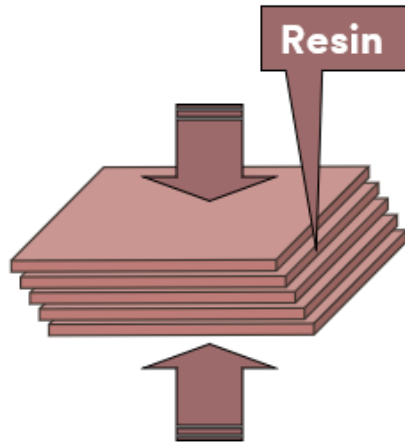
Scotch-Brite™ Unitized Wheels Fundamentals



Scotch-Brite™ Unitized Wheels are stacked, compressed layers of nonwoven web designed to bring abrasive to the part. Wheels have unique identification scrim and performance differences, attributed to mineral (aggressiveness) and density (hardness). The combination of these two characteristics and other subtle variations determine if the wheel will cut more aggressively or will be more durable and less conformable.

Unitized

- Layers of nonwoven web “compressed” into a slabs then cookie cut into shapes
- Wheels Sizes:
 - 1” – 14” diameter
 - 1/8” – 1” Wide (thick)
 - Various Center Holes
 - Non-directional



Applications:
Deburring, Blending,
Finishing, Defect
removal

Product made in
the USA

3M quality and
consistency

Use on portable and
stationary tools on either
edge or flat of the wheel

Scotch-Brite™ promises **to improve surfaces with ease**. Scotch-Brite products **last longer** than alternative products while **safely** providing the desired **finish** and providing overall **value** to the manufacturing operation.

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Scotch-Brite™ Unitized Wheels Classification



Scotch-Brite™ Unitized Wheels are available by:
Product Family – Density – Mineral - Grade
Such as; *EXL 2S Fine*

Family	Density	Mineral	Grade
Deburr & Finish PRO	2	Aluminum Oxide (AO)	Very Fine (VFN)
EXL	3		Fine (FIN)
Rapid Cut	4		Medium (MED)
Metal Finishing	5	Silicon Carbide (SiC)	Medium Plus (MED+)
Cut & Polish	6		Coarse (CRS)
	7		Coarse Plus (CRS+)
	8	Ceramic Aluminum Oxide (C)	Extra Course (XCS)
	9		
	10		
	11		

Product Family Characteristics:

- **Deburr & Finish PRO**
 - Go-to product for deburring and blending
 - Utilizes new shaped ceramic grain to increase aggressiveness, but not affect finish
 - New web construction for increased durability
- **EXL**
 - Aggressive, yet conformable to not undercut
 - Largest grade and density ranges
- **Cut & Polish**
 - Aggressive – Ideal for removing oxides, rusts, & colors
 - Less conformable but more durable
 - Limited grade range
 - “Shiny” or “Polished” finish
- **Metal Finishing**
 - For finishing and blending of all metals
 - Creates a consistent satin finish
- **Rapid Cut**
 - For larger/aggressive burrs and blending larger welds
 - Extended product life

*NOTE: Laser Braze Finishing and EXL PRO are Unitized Wheels, developed specific for Roof Ditch application in automotive. Please see your 3M contact for more info or to inquire about training playbooks for these products.

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Scotch-Brite™ Unitized Wheels

Product Training Guide

Focus on EXL and Deburr & Finish PRO

Scotch-Brite™ EXL Unitized Wheels



EXL wheels feature a soft, conformable consistency that effectively smooths, deburrs and finishes the edges of metal alloys, as well as many plastics and composites. These wheels feature a variety of densities and grades starting from a very soft 2 density for applications requiring conformability to a hard, aggressive 8 density for maximum cut and durability.

Available Products

EXL has Densities and grades ranging from soft and conformable to hard and aggressive



Densities:
2, 3, 4, 6, 8

Grades:
Coarse, Extra Coarse,
Fine, Medium, Very Fine

Core Technologies

- Open web material
- Nonwoven nylon fibers

Substrates

- Variety of substrates
- Metal alloys
 - Steel
 - Composites
- Plastics

Engineered by mixing abrasive mineral and nylon fibers with resin

- High performance and durability for deburring and finishing applications
- A layered, durable unitized disc construction



Applications

Deburring ▶ 8A MED, 8A CRS, 8A XCRS

Blending ▶ 2A MED, 4A MED, 6A MED

Finishing ▶ 2S FIN

Value to the Customer

- ▶ Largest grade and density ranges
- ▶ Conformability allows abrasive to stay in contact with complex-shaped parts and to not undercut
- ▶ Resists smearing for cleaner surfaces and less preparation
- ▶ Minimizes heat build-up to lessen impact on heat-sensitive materials

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Scotch-Brite™ Deburr & Finish PRO Unitized Wheels



Deburr and Finish PRO is designed to make a variety of metalworking applications easier and more efficient for industrial professionals. Typically, abrasives excel in one area: deburring, finishing or blending. This multi purpose wheel/disc is unique, because it's engineered to do all three.

4 Available Products

- ✓ 8C CRS+
- ✓ 8C MED+
- ✓ 6C MED+
- ✓ 4C MED+
- ✓ 2S FIN

YOUR "GO-TO" family
of Unitized Wheels for
Deburring / Blending
/ Polishing

Core Technologies

- Precision-Shaped Grain
- New web technology
- Nylon fibers

Substrates

- Copper
- Aluminum
- Inconel
- Steel
- Titanium
- Stainless Steel

Offering faster and more consistent performance

- 30 to 50% faster burr removal
- Up to 3x longer wheel life in deburring applications
- Minimal dust and debris – less dust equals less cleanup
- Minimizes overcutting – results in fewer rejects

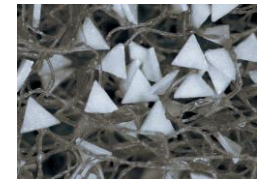


Markets and Applications

- Oil & Gas** ▶ Deburring of Threaded pipes, Coupler threads and other tubular goods
- Aerospace** ▶ Deburring, Finishing and Blending of Rotors, shrouds, buckets, ducting titanium, turbine blades
- Automotive** ▶ Deburring and Finishing of Machined gears, engine components, sheet metal, mild steel, hardened steel
- Metal Fabrication** ▶ Deburring and Finishing of various machined parts mild steel, stainless steel and TIG weld blending

Value Proposition

- ▶ Deburr & Finish PRO Unitized Wheels are an excellent indirect solution to coated abrasive wheels used to deburr radius and blend. Typically you get 2.5x-3x life at about 2x the cost.



3M Precision-Shaped Grain

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3M Precision Shaped Grain – Deburr & Finish PRO



So what's the magic?

Scotch-Brite™ Deburr & Finish PRO Unitized Wheels leverage the Science of Ceramic Precision-Shaped Grain.



**How does the
technology
work?**

Traditional non-woven abrasive products are constructed from particles of irregular-shaped abrasive materials, such as aluminum oxide, bound to a nylon web.

In Scotch-Brite™ Deburr & Finish PRO Unitized Wheels, conventional abrasive particles have been replaced with our proprietary ceramic precision-shaped grain.

The hardness of the ceramic material, combined with the self-sharpening grain, provides longer life and helps get the job done faster – without sacrificing the smooth feel and control you expect from Scotch-Brite wheels.

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Markets and Applications



Key Markets

Oil & Gas



Machinery Manufacturing



Transportation



Rotor Repair



Parts/
Description

Steel rotor / minor lobe

Applications

- Blending mill marks from minor lobe
- Finish / refine surface
- Prep surface for chrome carbide coating

Disc/
Wheel Sizes

- 3" & 6" Wheels – offhand
- 12" – semi automated

Grade/
Density

- Fine finishing / polishing / blending / deburring – 6C MED+
- Heavier deburring / blending – 8C CRS+

Pipe Thread



Parts/
Description

Steel API and Premium Drill Pipe Thread

Applications

- O.D. Thread Deburring
- I.D. Thread Deburring

Disc/
Wheel Sizes

- 3"x1/2"x1/4"
- 3"x1/4"x1/4"
- 3"x1"x1/4"

Grade/
Density

- API Pipe Thread – 8C CRS+
- Premium Pipe Thread – 6C MED+

Food Processing



Parts/
Description

Dairy tank, food tank, kitchen equipment, sheet metal food service equipment, refrigerators, freezers, microwave, industrial dairy mixer

Applications

- Weld finishing
- Filet Weld
- Removal/ blending/ polishing
- Polishing

Disc/
Wheel Sizes

- 2" & 3" Roloc
- 4.5" Type 27
- 1", 2", 3" & 6" Wheels

Grade/
Density

- Weld Leveling – 8C CRS+
- Weld Refining – 6C MED+
- Final Polishing – 2S Fine

Aerospace



Parts/
Description

Turbine blade / vane deburring, structural component / housing deburring, formed component deburring / blending

Applications

- Blending milling marks
- Blending forming marks
- Deburring cutouts / edges

Disc/
Wheel Sizes

- 2" & 3" Roloc
- 2" & 3" Wheels
- 6" and larger Wheels

Grade/
Density

- Polishing / finishing – 2S Fine
- Light/ Medium deburring – 4C & 6C MED+
- Heavier Deburring – 8C CRS+

Deburr & Finish PRO and EXL are the 'go-to' Unitized Wheels to start with for these applications

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Markets and Applications



Key Markets

Fabricated Metals



Formed Sheet Metal



Parts/ Description	Aluminum / Titanium aerospace components, sheet metal components, sheared / stamped part deburring, weld polishing / highlighting
Applications	<ul style="list-style-type: none"> • Blending • Light / medium deburring
Disc / Wheel Sizes	<ul style="list-style-type: none"> • 2" & 3" Roloc • 4.5" Type 27 • 3" & 6" wheels
Grade / Density	<ul style="list-style-type: none"> • Light Deburring / Polishing – 2S Fine • Heavier Deburring / Blending – 8C CRS+

Machine Shops



Parts/ Description	Fixtures, frames, general machined parts, pipe deburring, trim panels
Applications	<ul style="list-style-type: none"> • Blending machine marks • Refining machine marks • Deburring
Disc / Wheel Sizes	<ul style="list-style-type: none"> • 2" & 3" Roloc • 6" and larger Wheels
Grade / Density	<ul style="list-style-type: none"> • Fine finishing / polishing / blending / deburring – 2S Fine • Light deburring / blending 6C MED+ • Heavier deburring / blending 8C CRS+

Power Generation



Parts/ Description	Turbine Blade Deburring, Rotor Deburring, Weld refining / repair
Applications	<ul style="list-style-type: none"> • Deburring Blades • Deburring Rotors • Weld Blending Repair
Disc / Wheel Sizes	<ul style="list-style-type: none"> • 2" & 3" Roloc • 2" & 3" Wheels • 6" and Larger Wheels
Grade / Density	<ul style="list-style-type: none"> • Fine finishing / polishing / blending / deburring – 2S Fine • Heavier deburring / blending – 8C CRS+

Forged Aluminum



Parts/ Description	Deburring / Flash Removal
Applications	<ul style="list-style-type: none"> • Deburring / blending • Forged Aluminum components
Disc / Wheel Sizes	<ul style="list-style-type: none"> • 2" & 3" Roloc • 6" and larger Wheels
Grade / Density	<ul style="list-style-type: none"> • Fine finishing / polishing / blending / deburring – 2S Fine • Heavier deburring / blending – 8C CRS+

Deburr & Finish PRO and EXL are the 'go-to' Unitized Wheels to start with for these applications








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Metal Fabrication – Surface Preparation



Market Segment	Application Description		Questions to Ask	Go-To Products	Tools
Sheet Metal Fabrication	<ul style="list-style-type: none">Deburring of metals		<ol style="list-style-type: none">What is your current overall abrasive process?Would increasing speed in your deburring have a positive impact on your business?Do you have rework attributed to your abrasive process?	Blending and Deburring: Deburr & Finish PRO 6C MED+ Weld cleanup / Polishing: Deburr & Finish PRO 2S FIN	<p>3M™ Disc Sander 20231, 2 in .5 hp 20,000 RPM</p> 
Application Picture					
Competitive Solutions		Value Proposition to the Customer		Objections to Overcome	
<ul style="list-style-type: none">Coated Abrasive Flap WheelsSurface Conditioning DiscsFine grade Coated Abrasive DiscsWire WheelsCotton Reinforced Discs / Wheels		<div><p>Fast Cut Rates</p></div> <div><p>Consistency</p></div> <div><p>Reduce Costs</p></div> <div><p>3M's proprietary precision-shaped ceramic grain enables faster and sustained cut rates</p></div> <div><p>Consistent and repeatable finishes and quality</p></div> <div><p>Increased throughput and overall reduction in abrasives and manufacturing costs</p></div>		<ol style="list-style-type: none">We have tried Scotch-Brite before – it's not aggressive enough.It will take too long to process the part.	
				<p>3M™ Die Grinder 20239, 1 hp 1/4 in Collet 12,000 RPM</p> 	
				<p>3M™ Die Grinder 28330, .5 hp 1/4 in Collet 18,000 RPM</p> 	
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Food Manufacturing Equipment – Surface Preparation



Market Segment	Application Description	Questions to Ask	Go-To Products	Tools
Food Equipment Manufacturing	<ul style="list-style-type: none"> Weld cleanup and blending Blending of secondary burrs created by coated abrasives Deburring of cut edges 	<ol style="list-style-type: none"> What is your process for removing, blending, and finishing welds? Do you need to remove fillet welds? Is speed important? What is your biggest challenge when finishing your stainless steel? 	<p>Weld cleanup / Polishing: Debur & Finish PRO 2S</p> <p>Blending / Edge Break: Debur & Finish PRO 6C</p> <p>Weld Removal (tig welds): Debur & Finish PRO 8C</p>	<p>3M™ Disc Sander 20231, 2 in .5 hp 20,000 RPM</p>  <p>3M™ Die Grinder 20239, 1 hp 1/4 in Collet 12,000 RPM</p>  <p>3M™ Die Grinder 28330, .5 hp 1/4 in Collet 18,000 RPM</p> 
Application Picture	Target NAICS/SIC Codes	Value Proposition to the Customer	Objections to Overcome	
	Food Product Machinery 333241 Manufacturing 3556	<div>  <p>Extended Life</p> <p>Longer life, Faster processing times. Overall reduction in abrasives and manufacturing costs with increased productivity, due to less wheel change outs</p> </div> <div>  <p>Ease of Use</p> <p>Improved operator “feel”</p> </div> <div>  <p>Reduce rejects</p> <p>No part gouging or damage. Improved surface quality and finish consistency. Limits material removal, maintaining critical part dimensions</p> </div>	<ol style="list-style-type: none"> We have tried Scotch-Brite before – it’s not aggressive enough. It will take too long to process the part. 	
Competitive Solutions				
<ul style="list-style-type: none"> Coated Abrasive Flap Wheels Surface Conditioning Discs Fine grade Coated Abrasive Discs Wire Wheels Cotton Reinforced Discs / Wheels 				








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Gear Manufacturing – Gear Deburring



Market Segment	Application Description	Questions to Ask	Go-To Products	Tools
<p>Gear Manufacturing</p> <p>Application Picture</p> 	<ul style="list-style-type: none">• Gear deburring (automated and off-hand)• The deburring process removes unwanted elements which hinder productivity	<ol style="list-style-type: none">1. What process do you use to deburr?2. Does this process require a more skilled operator?3. How important is surface finish?4. What percentage of your parts require rework?	<p>Blending and Deburring: Deburr & Finish PRO 6C Med+</p> <p>Heavy Deburring or Light Weld Removal: Deburr & Finish PRO 8C CRS+</p> 	<p>3M™ Die Grinder 20239, 1 hp 1/4 in Collet 12,000 RPM</p>  <p>3M™ Die Grinder 28330, .5 hp 1/4 in Collet 18,000 RPM</p> 
Competitive Solutions	Value Proposition to the Customer		Objections to Overcome	
<ul style="list-style-type: none">• Competitive Unitized wheels• Wire Brushes• Nylon Brushes• Rubberized Wheels• Carbide tools	<div><p>Extended Life</p><p>Longer wheel life in the deburring application, along with increased speed</p></div> <div><p>Reduce cleanup</p><p>Minimal dust and debris, less dust equals less cleanup</p></div> <div><p>Reduce rejects</p><p>Minimizes thread overcutting, will not damage/ undercut the workpiece, results in fewer rejects</p></div>	<ol style="list-style-type: none">1. We have tried Scotch-Brite before – it's not aggressive enough. <p>Address this with info that D&F PRO wheels have 3M Precision Shaped Grain which is engineered to cut fast and sharp to help remove burrs 30-50% faster than other Scotch-Brite™ Wheels.</p>		




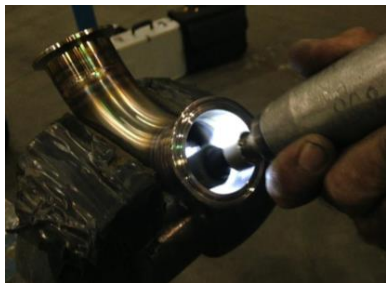



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Aerospace– Edge Break

Market Segment	Application Description	Questions to Ask	Go-To Products	Tools
Aerospace	<ul style="list-style-type: none">• Edge break radius on machined parts• Blending mill marks• Blending secondary burrs and chatter from previous milling or abrasive steps• Deburring of cut and formed metal edges	<ol style="list-style-type: none">1. Does your current process have an excessive amount of dust generated?2. Does your process restrict the use of silicon carbide on aluminum?3. What is your finish requirement?	EXL 2A Med <ul style="list-style-type: none">• For applications sensitive to Silicone Carbide Deburr & Finish PRO 2S Fine <ul style="list-style-type: none">• Designed to quickly polish, finish, blend and deburr Deburr & Finish PRO 6C MED+ <ul style="list-style-type: none">• Highly effective for edge breaks and applying a radius	<p>3M™ Disc Sander 20231, 2 in .5 hp 20,000 RPM</p>  <p>3M™ Die Grinder 20239, 1 hp 1/4 in Collet 12,000 RPM</p>  <p>3M™ Die Grinder 28330, .5 hp 1/4 in Collet 18,000 RPM</p> 
Application Picture	Competitive Solutions	Value Proposition to the Customer	Objections to Overcome	
	<ul style="list-style-type: none">• Wire Wheels• Surface Conditioning Discs• Fine grade Coated Abrasive Discs• Rotary Burrs• Burr Knife	<div><p>Extended Life</p><p>Lasts longer and finishes stronger, for an overall reduction in abrasives and manufacturing costs</p></div> <div><p>Consistency</p><p>Consistent and repeatable results</p></div> <div><p>Reduce cleanup</p><p>Reduction of dust and debris</p></div>	<ol style="list-style-type: none">1. We have tried Scotch-Brite before – it’s not aggressive enough.2. It will take too long to process the part.3. If silicone carbide not allowed, we have portfolio of aluminum oxide products.	

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Food Grade Tank – Tig Weld Removal





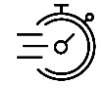


Market Segment	Application Description	Questions to Ask	Go-To Products	Tools		
Food Grade Tank Manufacturing	<ul style="list-style-type: none">Cleanup, blend, and polish tig weld. Objective is to produce a finish finer than 16 RaEdge break on machined aluminum parts	<ol style="list-style-type: none">Do you remove tig welds in your process today?How many steps are required to achieve the desired finish?How do you measure finish?Is their rework attributed to your current process?	<p>Level Tig Weld: Debur & Finish PRO 8C CRS+ or Rapid Cut</p> <p>Blend Surface: Debur & Finish PRO 6C MED+</p> <p>Polish Surface: Debur & Finish PRO 2S Fine</p>	<p>3M™ Disc Sander 20231, 2 in .5 hp 20,000 RPM</p>  <p>3M™ Die Grinder 20239, 1 hp 1/4 in Collet 12,000 RPM</p>  <p>3M™ Die Grinder 28330, .5 hp 1/4 in Collet 18,000 RPM</p> 		
Application Picture	Target NAICS/SIC Codes	Competitive Solutions	Value Proposition to the Customer	Objections to Overcome		
	<table><tr><td>Other Metal Container Manufacturing</td><td>332439</td><td>3412</td></tr></table>	Other Metal Container Manufacturing	332439	3412	<ul style="list-style-type: none">Coated Abrasive Flap WheelCoated Abrasive BeltCoated Abrasive Flap DiscCoated Abrasive BandCoated Abrasive Cartridge Roll	<div><p>Process Step Reduction</p><p>Reduction in steps and eliminates damage to adjoining surfaces. Improve performance and simplify your process</p></div> <div><p>Reduce rejects</p><p>Reduction in rework, better finish and smoother feel with repeatable finishes and quality</p></div> <div><p>Ease of Use</p><p>Improved operator “feel”</p></div> <div><ol style="list-style-type: none">We have tried Scotch-Brite before – it’s not aggressive enough.It will take too long to process the part.My tool won’t allow me to gain access with a wheel.</div>
Other Metal Container Manufacturing	332439	3412				

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Oil & Gas – Pipe Thread Deburring











Market Segment	Application Description	Questions to Ask	Go-To Products	Tools						
Oil & Gas	<ul style="list-style-type: none">• Pipe thread deburring• O-ring seal deburring• Ideal for API, Semi-Premium & Premium Oil Country Tubular Goods Threads	<ol style="list-style-type: none">1. What is your current process? EX: using a spindle mounted flap wheel, wire wheel, etc.2. Are your operators having to change out wheels often?3. Do you want fast, consistent pipe deburring?	O-ring Grove Deburring: Deburr & Finish PRO 2S FIN General Deburring Deburr & Finish PRO 6C MED+ Heavy Deburring: Deburr & Finish PRO 8C CRS+	<p>3M™ Die Grinder 20239, 1 hp 1/4 in Collet 12,000 RPM</p>  <p>3M™ Die Grinder 20240, 1 hp 1/4 in Collet 8,000 RPM</p>  <p>3M™ Disc Sander 20231, 2 in .5 hp 20,000 RPM</p> 						
Application Picture	Target NAICS/SIC Codes									
	<table><tr><td>Drilling Oil and Gas Wells</td><td>213111</td><td>1381</td></tr><tr><td>Supporting Activities for Oil and Gas Operations</td><td>213112</td><td>1389</td></tr></table>	Drilling Oil and Gas Wells	213111	1381	Supporting Activities for Oil and Gas Operations	213112	1389			
Drilling Oil and Gas Wells	213111	1381								
Supporting Activities for Oil and Gas Operations	213112	1389								
Competitive Solutions	Value Proposition to the Customer	Objections to Overcome								
<ul style="list-style-type: none">• Coated Abrasive Flap Wheel• Competitive Unitized Wheels• Competitive Nonwoven Discs	<div><p>Faster burr removal</p></div> <div><p>Repeatable</p></div> <div><p>Extended Life</p></div> <p>Wheels blast through dirt, corrosion and other contaminants without loading or changing the thread geometry; so pipes can be returned to service faster</p> <hr/> <p>Repeatable finishes and quality</p> <hr/> <p>Typically get 2.5X life at 2X cost. Also can show 4-8X the life over spindle mounted flap wheels</p>	<ol style="list-style-type: none">1. We've already tried Scotch-Brite wheels. <p>Address this with info that D&F PRO wheels have 3M Precision Shaped Grain which is engineered to cut fast and sharp to help remove burrs 30-50% faster than other Scotch-Brite™ Wheels</p>								

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Sales Tool and Resources



	Multimedia Link	Collateral Type	Celum ID	Product	Application	Tool
	Scotch-Brite™ Deburr and Finish Pro Brochure https://multimedia.3m.com/mws/media/1087464O/scotch-brite-deburr-finish-pro-unitized-discs-and-wheels.pdf	Brochure	1087464	· Discs · Wheels · Tools & Accessories	· Deburring · Finishing · Surface Preparation	· Right Angle Grinder · Die Grinder
	Scotch-Brite™ Deburr & Finish Pro Application Guide https://multimedia.3m.com/mws/media/1521187O/scotch-brite-deburr-finish-pro-app-guide-hr-english.pdf	Application Guide	1521187	· Discs · Wheels	· Deburring · Finishing · Polishing · Surface Preparation	· Right Angle Grinder · Die Grinder · Bench Motor
	Scotch-Brite™ EXL Pro Unitized Wheel Flyer https://multimedia.3m.com/mws/media/1512108O/scotch-brite-exl-pro-unitized-wheel.pdf	Flyer	1512108	· Wheels	· Deburring · Finishing · Surface Preparation	· Right Angle Grinder · Die Grinder · Bench Motor
	Scotch-Brite™ Deburr & Finish PRO Unitized Wheels Brochure https://multimedia.3m.com/mws/securemedia/1238648O/scotch-brite-deburr-finish-pro-unitized-wheels-brochure.pdf	Brochure	1238648	· Discs · Wheels · Tools & Accessories	· Deburring · Finishing	· Right Angle Grinder
	Deburr & Finish PRO Unitized Wheels for Oil & Gas Tubular Goods https://multimedia.3m.com/mws/media/1017507O/scotch-brite-deburr-and-finish-pro-unitized-wheels-celum.pdf	Brochure	1017507	· Wheels · Discs · Tools & Accessories	· Deburring · Finishing · Polishing	· Right Angle Grinder · Die Grinder
	3M Scotch-Brite™ EXL Pro Flyer file:///C:/Users/A59YVZZ/AppData/Local/Temp/1/Temp1_2020-08-19_15-24-39.zip/Scotch-Brite%20EXL%20Pro%20Flyer%20Celum.pdf	Flyer	1512108	· EXL Pro Wheels	· Roof Ditch Brazes	
	3M Scotch-Brite™ Unitized Wheels https://www.youtube.com/watch?v=8qk4gf3wt9w	Video	996719	· Wheels	· Finishing · Surface Preparation	
★ 	Scotch-Brite™ Nonwoven Abrasives Product Guide https://multimedia.3m.com/mws/securemedia/2010476O/scotch-brite-nonwoven-abrasives-product-guide-high-resolution.pdf	Comprehensive Product Guide	2010476	· All 8 SCP Categories · Tools & Accessories · Robotics & Automation	· Cleaning/Surface Prep · Deburring · Blending · Polishing/Polishing Prep	· Recommended Tools

★ = NEW assets in 2021!

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NEW Scotch-Brite™ Nonwoven Abrasives Product Guide



SCOTCH-BRITE™ CONVOLUTE WHEELS

REACH YOUR DEBURRING AND FINISHING POTENTIAL.

Get high performance and durability. Scotch-Brite™ Convolute Wheels produce great results on all types of metal, composites and glass. Used on pedestal grinders, back stands and bench motors, these wheels provide a consistent working surface even as the wheel wears.

FOR WHEN YOU ACHIEVE A FINISH

Engineered to strike the balance between aggressive deburring and conformable scratch blending, finishing applications.

Scotch-Brite™ Wheels nonwoven technology, nylon web with metal grain developed by 3M.

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SCOTCH-BRITE™ CONVOLUTE WHEELS — FINISHING

Scotch-Brite™ Cut and Polish Wheels

For aggressive finishing applications, and is good for defect removal and scratch blending. Produces a dull finish with a light scratch pattern. Most durable of our finishing wheels.

Scotch-Brite™ Light Deburring Wheels

Provides a clean and effective system for removing burrs while providing a highly polished finish. Produces a bright and consistent finish with light scratch pattern. Very soft and conformable.

3M PRESENTS THE "FINISHING FOUR."

The easiest way to achieve the look you're going for!

- METAL FINISHING WHEELS create a satin finish that is conformable to the shape of the part and is good for defect removal and scratch blending.
- MULTI-FINISHING WHEELS create a bright finish that is conformable to the shape of the part and is good for defect removal and scratch blending.
- CUT AND POLISH WHEELS produce a dull finish with a light scratch pattern.
- LIGHT DEBURRING WHEELS produce a bright finish with a light scratch pattern.

TECH TIP CONVOLUTE VS. UNIZITIZED

Other determined by the part configuration, wheel size availability, and tool speed. Convolute wheels are typically longer and used on stationary equipment, whereas unizitized wheels are smaller and used on portable tools.

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Click [here](#) for the **NEW Scotch-Brite™ Nonwoven Abrasives Product Guide!**

Great product resource for channel and end-users!

IMPROVE SURFACES WITH EASE.

LASTS LONG. FINISHES STRONG.

Most nonwoven fiber and integrated abrasive grains remain intact, even after repeated use. Scotch-Brite™ abrasives are designed to last throughout the life of the product.

REPEATABLE RESULTS.

Whether you're finishing, deburring, or grinding, operators can easily achieve consistent results with Scotch-Brite™ abrasives.

UNCOMPROMISING QUALITY.

To get the best from your tool, you need the best abrasive. Scotch-Brite™ abrasives are meticulously engineered to deliver uncompromising quality.

Decade after decade, part after part. There's one family of abrasives that's trusted to deliver repeatable results and fine finishes, and that's Scotch-Brite™. With roots in the past and an eye on the future, Scotch-Brite™ Nonwoven Abrasives are dedicated to uncompromising quality — just like you.

VERY AND SUBSCRIBE TO OUR 3M ABRASIVES YOUTUBE CHANNEL

Check out our 3M ABRASIVES channel!

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APPLICATIONS

Scotch-Brite™ Nonwoven Abrasives are designed with conformable, high-strength fibers that deliver quick and consistent performance. Each product brings a safe, reliable solution to the job. Which one is right for you?

SCOTCH-BRITE™ IS HERE FOR YOU EVERY STEP OF THE WAY.

TOOLS

MATCH WITH THE RIGHT TOOLS AND ACCESSORIES TO ENSURE YOU GET THE HIGHEST PERFORMANCE OUT OF YOUR SCOTCH-BRITE™ NONWOVEN ABRASIVES.

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SYSTEM CONFIGURATIONS

Tool + Accessories + Scotch-Brite™ Nonwoven Abrasive = Optimized System

3M™ DISC BANDER | RIGHT ANGLE SYSTEM

3M™ DISC BANDER | CENTER HOLE SYSTEM

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NONWOVEN ABRASIVES

Scotch-Brite™ Nonwoven Abrasives allow you to achieve a uniform finish in fewer steps without damaging the base material.

Our full line of abrasives are available in a variety of grades to help you meet your deburring, sanding, blending, finishing and polishing requirements.

COLOR CODING

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Scotch-Brite™ Brand. Finishing Strong Since 1958.



**Thank you for your support of
3M Scotch-Brite™
Unitized Wheels!**