



UNITED
ROTARY BRUSH CORPORATION
ENGINEERED PRODUCTS



Non-Woven Rolls



Disposable Brushes



New Shafts & Shaft Maintenance



Rewrapable Brushes

Engineered Products

United Rotary Brush Corporation
20078 State Route 4
Marysville, Ohio 43040
1-800-896-0003 - Fax (937) 642-3552

United Rotary Brush Corporation is committed to serving our customers by manufacturing the highest quality wide face products available in the marketplace today. With over 90 years of experience manufacturing a full line of rotary brush products, United Rotary Brush has earned a reputation for quality, excellence, and innovation.

Our people are dedicated to providing solutions for our customer's distinct applications. Our extensive experience in product design allows us to make specific product recommendations based on our understanding of a customer's unique application.



UNITED
ROTARY BRUSH CORPORATION
ENGINEERED PRODUCTS

The Engineered Products Group of United Rotary Brush specializes in the production of custom-made Wide Face Brushes and Non-Woven Rolls for heavy industrial customers across North America and around the world. Our modern facility in Marysville, Ohio has the capacity to manufacture wide face brushes of diverse diameters and lengths, and offers an extensive selection of abrasive and nonabrasive filament to suit your unique application.

Engineered Products
Group
United Rotary Brush
Corporation
20078 St Rt 4
Marysville, OH 43040
1 (800) 896-0003
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On-line Address:
www.united-rotary.com



Marysville Office & Plant



Our Mission

Work with Integrity, Urgency, and Cooperation to deliver complete customer satisfaction.

Our Vision

Provide the Best Value in the Rotary Broom and Wide Face Brush Industries.



Foundation Values

These values serve as the foundation upon which we work with each other, our customers, our suppliers, and our stakeholders toward mutual success.

Customer Driven

We recognize that our customers are the lifeblood of our organization and that we must always seek to exceed their expectations.

Fair Dealing

We are committed to honesty, fairness, and courteousness in all our relationships.

All Winners

We always seek win-win outcomes and use cooperation as our path to excellence.

Working Conditions

We are committed to assuring that our facilities set the standard in the industry for cleanliness, orderliness, and safety.

Personal Fulfillment

We seek to create an environment where people enjoy their work and view their jobs as an opportunity for personal fulfillment through the development of their unique strengths and aspirations.

Improvement

As an organization, we embrace change, encourage risk, and regularly seek quantum leap improvements. We seek to create an environment which enables every individual associated with United Rotary Brush to strive toward continuous improvement in everything we do.

Empowerment

We are committed to fostering an environment in which everyone has the power and the responsibility to react to the needs of the organization, and is involved in shaping and improving their company while remaining accountable to the objectives and values of the organization.

People

United Rotary Brush people demonstrate complete integrity, respect for the rights of others, a spirit of helpfulness, optimism, perseverance toward excellence, a sense of humor and the courage to take initiative and make decisions.

Citizenship

We encourage everyone associated with United Rotary Brush to get involved in their community to make it a better place to live and work.

Profitability

We recognize that significant profitability is essential to our long term success.

Customer Services

Pick Up and Delivery Service

Shuttling between our plant in Marysville, OH and the major manufacturing centers in the Midwest, United's own dedicated delivery truck can pickup used brushes and shafts and deliver new brushes quickly after rewrap. With United's exclusive dedicated service, your brushes are not just another piece of cargo. Our drivers are skilled in the proper handling of your brushes, and your shipment receives the proper care it deserves. We can also avoid delays which are common in shipments via LTL carrier, plus respond faster to emergencies when they occur.



United Pickup & Delivery Truck



Dynamic Brush Balancer

Brush Balancing

A critical step in the manufacture of an effective brush component includes balancing your finished brush for even wear and performance. Precise measurement and calibration equipment correct any shaft imbalance and returns your rewrapped brush component to like-new performance.

Brush Retrimming

Manufacturing to accurate trim length specifications requires sophisticated trimming equipment capable of close tolerances and precise cutting. With the versatility of our trimming machinery, United can offer retrimming of the filament directly on your shaft for an even surface finish.



Precision Brush Trimmer & Grinder



Stock and Hold Program

Stock and Hold

Long lead times, emergency spares, and overstocked storerooms can be a thing of the past with United's stock and hold programs. A program can be developed to meet each customer's unique requirements. Whether we hold your brushes until you release them, or we deliver them on a routine schedule, your brushes are available when you need them without taking up store room space.

Wide Face Rewrapable Brush & Shaft Maintenance

When your process demands the most effective brushing, United's Rewrapable Brushes provide the solution. Our brushes are wound directly on your shaft and dynamically balanced to ensure smooth, uniform brushing for the most critical surfaces. After the brush life is consumed simply return the worn brush shaft to our facility to be rewrapped.



United's New Rewrapable Shafts & Brushes

Wide Face Rewrapable Brush

Brush Specifications

- Brush Face: 6" to 166"
- Outside Diameters: 4" to 16"

Services

- Shaft Repairs & Maintenance
- New Shaft Construction
- Bearing Removal & Installation
- Local Pickup & Delivery

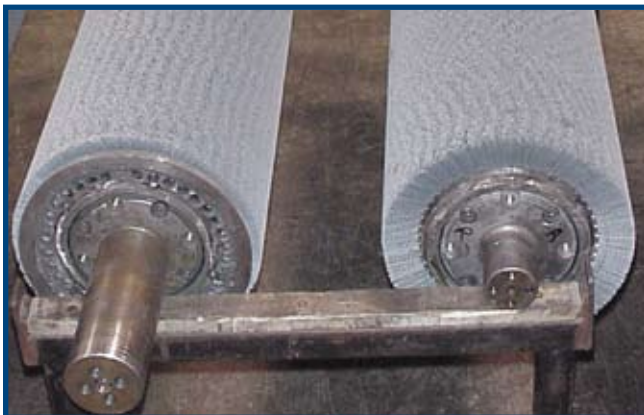
Filaments

- Nylon
- Polypropylene
- Abrasive Filament
- Tampico
- Wire

**United's
Rewrapable
Brush**



For More Product Information Please Call 1 800-896-0003



United's Brush Rewraps



New Shafts & Shaft Maintenance

Wide Face Disposable Brushes



United's Wide Face Disposable Brushes are designed to be mounted on your arbor for quick and convenient installation and removal that minimizes your downtime. These durable, tightly wound brushes can be gang loaded on an arbor to satisfy your particular processing width.

All of United's disposable, wide face brushes are custom manufactured to operate in rigorous conditions just like yours with minimal interruptions.

Disposable Brushes



Disposable Wire Brushes



Disposable Brush Winding

For Product Information, Call Toll Free
Engineered Products Group
United Rotary Brush Corporation
1 (800) 896-0003 - Fax 1 (937) 642-3552

Wide Face Disposable Brushes

Brush Specifications

- Brush Face: 6" to 80"
- Outside Diameters: 4" to 16"
- Various Arbor Configurations

Filaments

- Abrasive Filament
- Polypropylene
- Tampico
- Nylon
- Wire



**Disposable
Brush Cores**



Disposable Abrasive Brush Sections

Custom Application Brushes

United Rotary can design brushes for a variety of custom industrial applications. Speak with your United Engineered Salesperson about custom application brushes to fit your needs.



Custom Application Brushes

Brush Specifications:

- Brush Face: 6" to 166"
- Outside Diameter: 4" to 16"

Filaments:

- Nylon
- Polypropylene
- Polyester
- or to your specification

Applications:

- Trommel Screen
- Glass Washers
- Food Processing
- Wood/Composite Lumber



Trommel Screen Brush

Strip Brushes (straight)



Strip Brush (straight)

Precise amounts of filament are evenly distributed and locked in a retaining channel of carbon steel or stainless steel. This method of construction assures positive bristle retention and a uniform brush face.

Strip Brushes

Brush Specifications

- Brush Lengths: per customer specifications
- Carbon or Stainless Steel Channel

Filaments

- Abrasive Filament
- Polypropylene
- Tampico
- Nylon
- Wire

Applications

- Splash Guards
- Conveyor Cleaning
- Wipers

For Product Information, Call Toll Free Engineered Products Group

United Rotary Brush Corporation

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Non-Woven Rolls

Produced from FKM- Freudenberg Roll Covers. United's Non-Woven Rolls offer producers longer wear, better porosity, and unique "self-healing" properties. Also, non-woven rolls yield a higher coefficient of friction to improve finished product handling and reduce equipment downtime due to roll change over and maintenance.

United offers custom manufactured Non-Woven Rolls to fit the unique specifications of your processing line.

Non-Woven Rolls

Technical Data

- Max. Outer Diameter 30"
- Max. Roll Face 140"
- 1" Min. Covering Thickness 1"
(20% of nominal dia.)
- Available Shore A Hardness 60-95
- Max. Operating Temperature 230°F
- Max. Strip Speed 3200 ft./min.

Benefits

- Increase Line Efficiency
- Improve Coil Quality
- Reduce Product Defects
- Fewer Changeovers
- Less Downtime
- Substantial Cost Savings



United Rotary Brush Corp.
licensee of FKMUSA



United's Non-Woven Rolls



Deburring Brush with .018 Wire

Deburring Brushes

United's Engineered Products Group custom manufactures Deburring Brushes to the unique specifications of your deburring equipment. All Deburring Brushes are manufactured using sectional construction for maximum density.

Crimped wire filament brushes provide maximum deburring action and are available in various diameters. Call United today to discuss your unique applications with one of United's Sales Engineers!

Brush Specifications

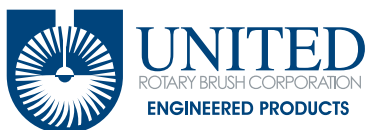
- Brush Face: 6" to 28"
- Outside Diameters: 12" to 20"
- Inside Diameters: 5" to 7"

Filaments

- Crimped Wire .014 to .018

Applications

- Pipe, Tube, Bar, Rod, Channel, Profiles, & Extrusions
- Disposable or Reusable Arbor Configurations
- Sectional Construction for Maximum Density
- Designed to Fit Most Deburring Equipment



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Setting Adequate Brush Down Pressure

Setting adequate down pressure goes a long way toward improving the effectiveness of your engineered brush.

Remember, a brush cleans more effectively with the tips of the filament, not the sides. Without “flick action” the engineered brush will not sufficiently remove contaminant particles from the strip surface.

Apply enough down pressure until the brush makes a “footprint” approximately 1/4” to 3/8” wide on the strip surface. (See Fig.B)

Maintain application of coolant so that the brush filament will not be damaged when it contacts the strip material.

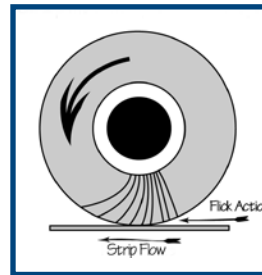


Figure A

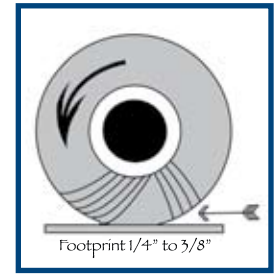


Figure B

Filament Selection Chart

United Rotary Brush offers both abrasive and non-abrasive brush filaments to suit a variety of strip processing applications. The chart below will help you decide which filament is most appropriate for your application.

Filament	Cleaning and Rinsing	Aggressive Cleaning	Heavy Duty Finishing	Heavy Duty Oxide and Scale Reduction
NON-ABRASIVE POLYPPROPYLENE & NYLON .008 .010 .012 .014	██████████ ██████████ ██████████ ██████████			
.017 .022 .026 Tampico	██████████ ██████████ ██████████ ██████████	██████████		
ABRASIVE NYLON ALUMINUM OXIDE .012-600-20 .018-600-20 .018-500-30 .022-320-30	██████████ ██████████ ██████████ ██████████	██████████ ██████████ ██████████ ██████████	██████████ ██████████ ██████████ ██████████	
.040-120-30 .040-080-30 SILICONE CARBIDE .018-500-30 .022-320-30 .022-120-30 .030-240-30 .035-180-30		██████████ ██████████ ██████████ ██████████ ██████████ ██████████ ██████████	██████████ ██████████ ██████████ ██████████ ██████████ ██████████ ██████████	██████████
.040-120-30 .040-80-30 .050-80-30 .050-120-30		██████████ ██████████ ██████████ ██████████	██████████ ██████████ ██████████ ██████████	██████████ ██████████ ██████████ ██████████

* Wire: Crimped, carbon steel, stainless steel, phosphorous bronze from .006-.018

* Other Filaments available



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