

SUPERIOR

ABRASIVES

Philosophy

VISION

To be recognized as the world leader in coated and nonwoven abrasive products for industrial end users.

MISSION

To provide world-class quality coated and nonwoven abrasive products through a superior customer buying experience.

VALUES

- Integrity
- Customer Focus
- Quality
- Effective Collaboration
- Continuous Improvement





Superior Rotary Tool was founded in 1962 as a specialty abrasives convertor.



Driven by the ingenuity of our workers, in 1987, our name was changed to SUPERIOR ABRASIVES to reflect the true spirit of our manufactured products. We quickly built a reputation as a provider for engineered metalworking solutions.

IMPROVED MANUFACTURING IMPLEMENTATION

Through late 1990's – 2000's, new manufacturing processes were implemented, allowing Superior Abrasives to grow with our customers.

- **AUTOMATED PRODUCTION**

- Fully automated quick change disc production lines were introduced, fulfilling the need for high quality, reasonably priced discs.

- **NONWOVEN PROGRAM**

- Vast development continued on nonwoven products and solutions, reflecting the benefits recognized in the European markets.

**In 2012, Superior Abrasives
was acquired by August
Rueggeberg GmbH & Co.**

**Superior remains a separate
entity within the organization.**

2016 saw the opening of our new, state-of-the-art manufacturing facility.

- **TRAINING**
 - Our dedicated training facility accommodates customers and associates, available to host conferences and solution driven sessions.
- **TESTING**
 - On-site replication and review of our customer applications.



Superior Abrasives
manufactures one of the largest
assortments of coated and
nonwoven abrasive products in
our industry.

SHUR-BRITE®
SURFACE CONDITIONING PRODUCTS

SHUR-KUT®
COATED ABRASIVES

- Quick Change Discs
- Hook & Loop Discs
- Belts
- Stars
- Satin Finishing Rolls
- Duplex Wheels
- Flap Brushes
- Deburring Wheels

SHUR-BRITE®
SURFACE CONDITIONING PRODUCTS

Surface Conditioning
Satin Finishing
Unitized
Convolute
Stripping

Our Products

- Quick Change Discs
- PSA Discs
- Cartridge Rolls
- Belts
- Bore polishers
- Shop Rolls
- Sheets
- Flap Wheels
- Pads

SHUR-KUT[®]
COATED ABRASIVES

Surface Conditioning

Most Aggressive

X^E High Performance	Heavy duty action with a unique resin formula. Firm cutting action for aggressive stock removal. <ul style="list-style-type: none">• Extremely aggressive with long life• Excellent performance on harder metals
E^P Extended Performance	Aggressive cutting action and consistent finishing. Better edge retention for extended life. <ul style="list-style-type: none">• Aggressive cut rate• High edge endurance
G^P Grind Duty	Balanced cutting rate and repeatable finishing qualities. <ul style="list-style-type: none">• Aggressively blend welds and remove burrs• Maintain a durable edge
F^D Finish Duty	Excellent surface finish control. <ul style="list-style-type: none">• Achieve required surface finish• Added flexibility

Least Aaagressive



Satin Finishing

Durability

HS High Strength

Resin reinforced nylon fibers provide durability and strength for high speed operation.

- Aggressive and durable fine finishing
- Resists snagging or tearing on intricate parts
- Reduced loading and burning for extended use

HP Heavy Duty

Flexible resin and high grain content promote conformability and cushion for fine tolerances.

Aluminum Oxide (A/O)

Silicon Carbide (S/C)

- | | |
|----------------------------|-----------------------------|
| • Long life | • Fast cut, uniform finish |
| • Durable, general purpose | • Sharper, finer cut |
| • Withstands high pressure | • Achieve required finishes |

CF Clean & Finish

Balanced resin and grain content for flexibility and conformability in flat applications.

Aluminum Oxide (A/O)

Silicon Carbide (S/C)

- | | |
|----------------------------|--|
| • Long life | • Sharp, fine cut and finish |
| • Durable, general purpose | • Match or blend existing surface finishes |
| • Reduced loading | |

Conformability



- SHUR-BRITE®

- Surface Conditioning
 - XE High Performance
 - EP Extended Performance
 - GD Grind Duty
 - FD Finish Duty
- Satin Finishing
 - HS High Strength
 - HD Heavy Duty
 - CF Clean & Finish
- Unitized
- Stripping
 - Black
 - Red

- SHUR-KUT®

- Ceramic Premium
- Ceramic Advantage
- Ceramic Grinding Aid
- Silicon Carbide
- Zirconia Grinding Aid
- Zirconia
- Aluminum Oxide Grinding Aid
- Aluminum Oxide
- Aluminum Oxide Compact Grain
- Rigid Kut Ceramic
- Rigid Kut Aluminum Oxide

Cartridge Rolls

For shaping, porting, finishing or polishing hard to reach areas. Cotton cloth acts as a cushion for polishing in finer grits. Many diameters are available to match or enlarge existing contours, while straight or tapered designs are also available for through holes or inside corner grinding.

- Ceramic
 - Straight
- Aluminum Oxide
 - Straight
 - Full Taper
 - Test Kit



Flap Wheels

The flexibility of the flaps allows excellent control and conformability on contours and inside or around intricate parts. As the grains wear away, so does the cloth backing, continually exposing fresh abrasive material and sharp cutting grains. The variety of shapes and sizes available provide versatility in grinding, deburring and polishing flat or contoured surfaces and edges.

- Flap Wheels for Angle Grinders
- Mini Mounted Flap Wheels
- Mounted Flap Wheels
- Threaded Mounted Flap Wheels
- Mounted Flap Mop Wheels
- Unmounted Flap Wheels



New Products



CERAMIC PREMIUM QUICK CHANGE DISCS

Premium, self-sharpening grain with advanced grinding aid substantially reduces heat to increase cutting power on harder metals. Durable polyester backing and cooler cutting action extend product life on lighter pressure applications.

- Light pressure, high temperature applications
- Aggressive cut rate on hard or exotic alloys
- Reduced operator and product fatigue
- Higher, prolonged cut rate



CERAMIC ADVANTAGE QUICK CHANGE DISCS

Finer crystalline grain structure introduces more cutting points under medium pressure. Increased amount of smaller cutting points provides a finer finish and longer life.

- Continual exposure of fresh, sharp cutting points
- Top size coat reduces loading, glazing and dulling
- Ideal for medium pressure applications

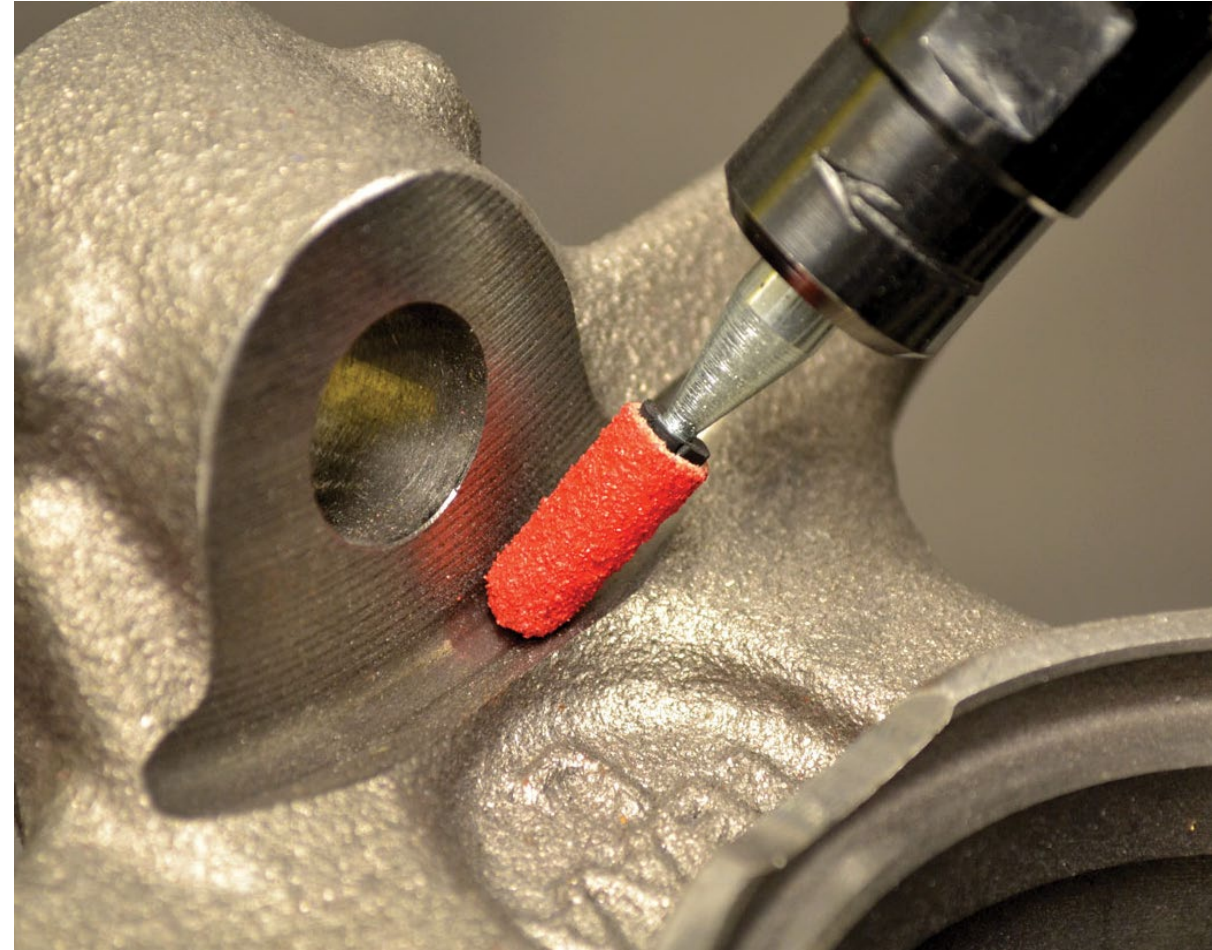
New Products



ABRASIVE CAPS

A rigid design and firm holder provide precision shaping and grinding on all types of metal. The seamless design of abrasive caps allows use of their entire surface area. Beneficial to fine detail work, the consistent edge radius upholds the grinding shape, creating a repeatable action with every replacement cap. Multiple shapes and sizes are available and provide a fitted tool for many unique workpieces and hard to access areas.

- Repeatable grinding and shaping
- Mold and die repair
- Access small holes and channels
- Fine detail work on intricate parts



BLAC-KUT ZIRCONIA HIGH DENSITY FLAP DISCS

A cost efficient option to high density discs, Blac-Kut Flap Discs are manufactured with larger flaps, providing effective material removal with an extended product life. Available in Type 29, for beveling and removal, or Type 27 for flat grinding and blending.

- Longer flaps for greater surface contact
- Extra-long product life
- Aggressive stock removal on hard metals
- Sharp cut reduces heat, friction and loading
- High pressure applications



New Products

RED STRIPPING DISCS & WHEELS

A higher resin content decreases flexibility for a more aggressive cutting action and longer life.

- Heavy duty removal
- Extended life and consistent performance
- Reduced heat buildup and loading

- Arbor Mounted Wheels
- Depressed Center Discs
- Quick Change Discs



New Products

WHEELS FOR ANGLE GRINDERS

Several new products are available exclusively for right angle grinders, taking advantage of the availability, familiarity and ease of use of the tool. Larger areas can be handled with right angle grinders versus smaller tools, and multiple steps can be rendered without changing your operational setup.

- Seamless Satin Wheels
- Satin Wheels
- Duplex Wheels
- Flap Wheels



- Aerospace
- Automotive & Truck
 - Aviation
- Food Processing Equipment
 - Machine Shops
 - Medical
- Metal Fabrication
- Military Applications
 - Mold & Pattern
 - Pipeline
- Stainless Steel Finishing
- Tube Manufacturing

Our drive is the customer – Supplying their forward movement creates our own.

- **Excellent Customer Service**
- **40% of our business is custom and non-standard products**
- **Ability to produce any product to fit our customer needs and challenges**
- **Over 50 years of continual growth**

“Our ambition is to separate ourselves from the common manufacturer. To institute integrity and honor during our relentless pursuit of new and profitable markets. To develop new and innovative products and processes based on our customers’ needs. It is our intent to create an enjoyable working environment based solely on our uncompromising commitment to our boss, the customer.”

Lynne Henson, *President*

Questions & Comments

Thank you for your time!