

3M™ Trizact™ CF

Available in Discs, Bands, strips and kits.

Macroreplication technology pushes the boundaries of abrasives

You trust 3M™ Trizact™ Bands to deliver consistent cut and high quality finishes in your final finishing operations, part after part after part. Their unique three-dimensional structure assures it.

But 3M also knows that you need consistent cut and finish in earlier, coarser operations as well. You'd like to speed up these processes and lower your overall manufacturing costs without affecting quality. And where you can use a coarser band for final finishing, you'd like one that offers the consistency of Trizact— and long belt life.

Your demands are driving the evolution of abrasives.

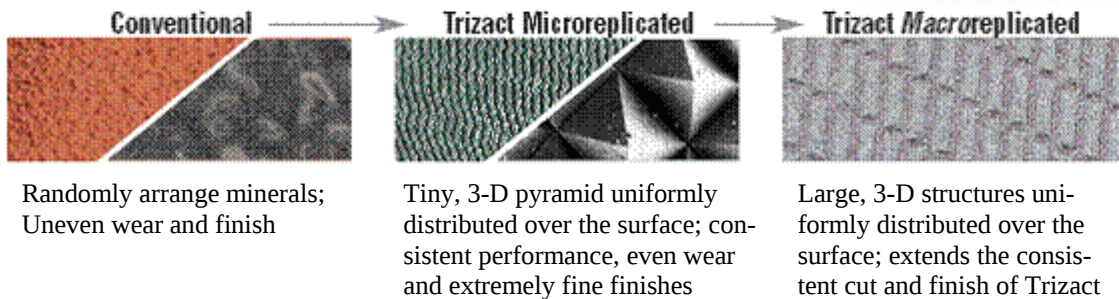
3M, the inventor of and leading authority on Microreplication technology, has taken the next step.

Macroreplication technology allows 3M to expand all the benefits you've come to expect from Trizact bands into your coarser operations.

- Defect removal
- Hardwood
- Stone
- Descale & finish in one process
- Machining mark removal
- Grindline refinement
- Metal



Evolution of Abrasives



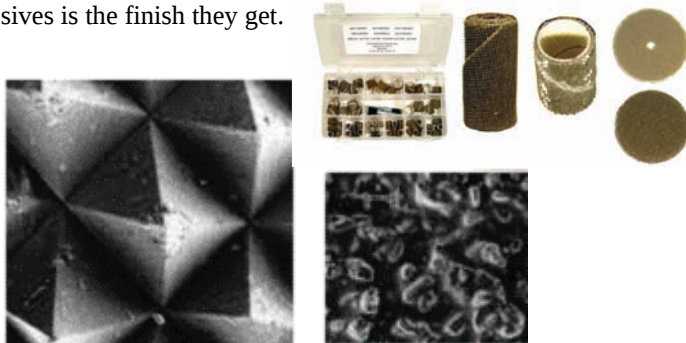
3M™ Trizact™ EA

Available in Discs, Bands, Cartridge rolls, strips and kits.

Customers are impressed with the performance of 3M™ Trizact™ Abrasives and have realized efficiencies and benefits that extend far beyond increased abrasive life. In fact, 89% report the number-one reason they purchase Trizact abrasives is the finish they get.

The unique microreplicated construction of 3M™ Trizact™ Abrasives can deliver:

- consistent, predictable finishes
- higher, more even rates of cut
- cooler grinding and finishing temperatures
- reduced processing steps
- Great for: Metal, Wood, Jewelry, and more.
- Increase labor productivity
- Improve Capital Equipment productivity



Three-dimensional structures uniformly distributed over the entire surface of 3M™ Trizact™ Abrasives (pictured left) ensure consistent performance and eliminate belt-to-belt variation. Conventional abrasives (pictured right), which feature randomly arranged minerals, wear and finish unevenly.



3M™ Trizact™ Abrasives have three-dimensional structures containing multiple layers of abrasive mineral. As these pyramid-like structures wear, fresh, sharp mineral is exposed.

3M™ Cubitron™ Coated Abrasive 961UZ

These Purple bands are coated with Cubitron™ ceramic aluminum oxide mineral, simply the best toughest mineral technology on the market. This abrasive grain is the result of more than 15 years of extensive research and process development. The purple bands are running 2:1 over our aluminum oxide products. Long life, great finish with wonderful dust control all wrapped up in one

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A key to the superior performance of Cubitron grain is its unusual wear process. After initial grinding stresses break away a small portion of the grain, the grinding process causes wear flats to format the point of grinding contact. Where conventional abrasive grains either stop cutting or fracture catastrophically, Cubitron grain sharpens by fracturing along micro cracks which form initially at the trailing edge of the wear flat. This process repeats itself throughout the grinding process resulting in longer abrasive life and improvement grinding efficiency

- Cleaner workplace
- Abrasives last longer
- Less clog with sanding dust
- Sanding finish is improved
- Sanding and/or ridging is reduced
- Self Sharpens



3M™ Microfinishing Film, 268L

High strength polyester film backing is coated with premium, micron-graded aluminum oxide particles that are electrostatically oriented for great cutting efficiency and resin-bonded for increased durability. This fast cutting abrasive provides precise, consistent, close tolerance finishes

- Wood
- Debur and finish precious metals
- Polishing
- Preparation of fiberglass and plastic surface



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3M™ Flex Diamond

Newly upgraded flexible diamond bands offer the cutting power of diamond, the strength of a metal bound. The new construction provides better durability, longer life, and more consistent performance. Applications include:

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|---------------------------------|----------------------------------|--|
| • Glass Grinding | • Plastic | |
| • Edge Seaming | • Composite materials | |
| • Roll Grinding of Chilled Iron | • Finishing | |
| • Ceramic coated rolls | • Touch ups | |
| • Stone | • Repair of Hard to grind metals | |
| • Stabilized Stone | • Ceramic | |
| • Cabbings | • Composite glass | • Marble |
| • Metal | • Carbide | • Fiberglass |
| | | • Excellent for Polishing dies and molds |

