

Lapping with 3M™ Trizact™ Diamond Tile

Faster cut rates. Less subsurface damage. Higher productivity.

3M™ Trizact™ Diamond Tile abrasive pads feature fine diamond grades that remove materials faster than coarse slurries or fixed pellets, and limit damage to substrates. That means dramatically reduced polishing time – and up to 60% less overall process time.*

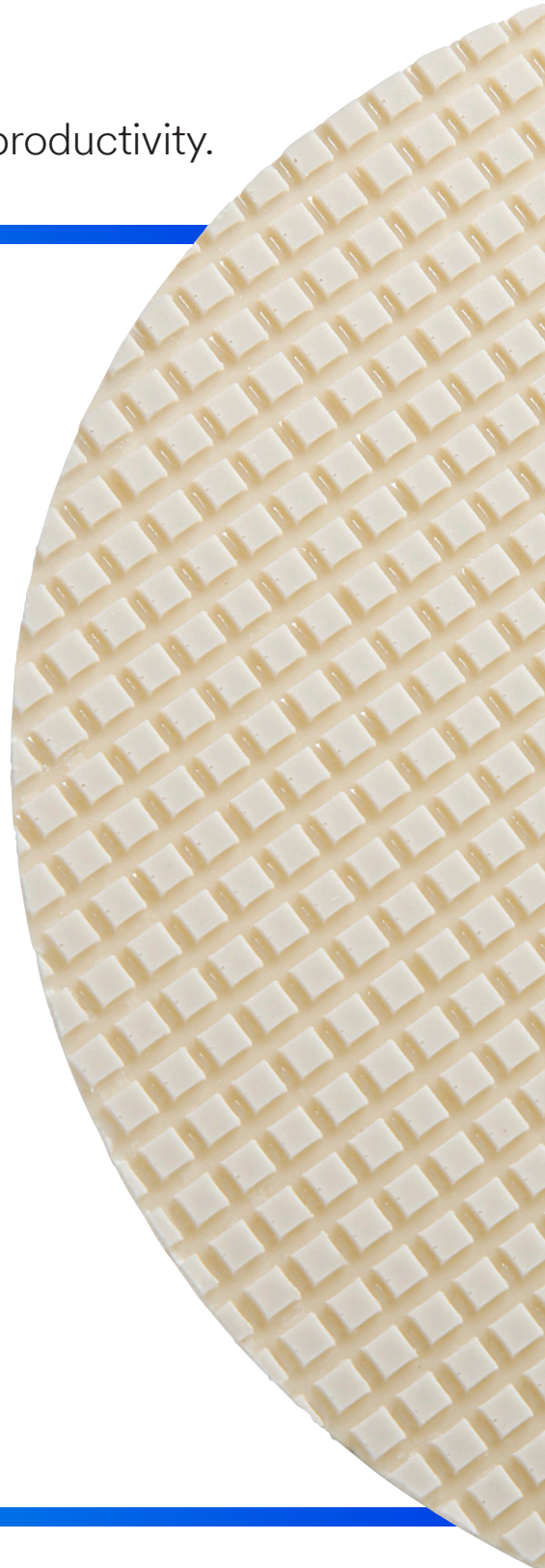
Without the messy residue of slurry lapping, the entire manufacturing environment can be cleaner. There's virtually no slurry disposal, helping simplify waste management.

3M™ Trizact Diamond Tile pads are excellent for single- or double-sided lapping. They mount to most machine plates with a pressure sensitive adhesive. It's a streamlined solution for processes in silicon wafers, metal fabrication, electronic and optical products and many more.

This technology performs well on a variety of substrates:

- Fused quartz/fused silica
- Silicon
- Borosilicate glass
- Soda-lime glass
- Aluminosilicate glass
- Lithium niobate
- Crystalline quartz
- Sapphire
- Glass ceramic
- Many others

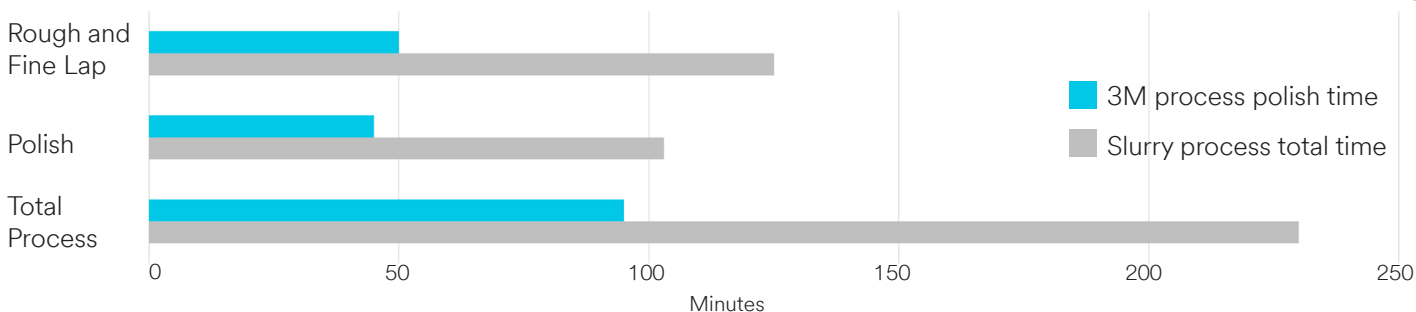
*60% overall process time reduction is based on in-house 3M testing.



Pick up the pace.

3M™ Trizact™ Diamond Tile lets you finish sooner.

3M™ Trizact™ Diamond Tile Pad Performance on Fused Quartz



3M™ Trizact™ Diamond Tile products are available in multiple grades and include PSA backing. Trizact™ Diamond Tile can be custom converted to nearly any diameter, hole size and hole configuration for double- or single-sided lapping machines.

Product	Grades (microns)	Configuration
3M™ Trizact™ Diamond Tile 677XA	3, 6, 9	To specifications
3M™ Trizact™ Diamond Tile 677XAEL	6, 9, 20, 45	To specifications

For discs or sheets greater than 47 inches, pads will be shipped in multiple pieces.

Let us help you boost productivity with 3M™ Trizact™ Diamond Tiles. For further information, contact 3M at 1-800-251-8634.

Regulatory: For regulatory information about this product, contact your 3M representative.

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