

3M Cubitron II Flap Discs Provide Superior Cut Rate

Precision-shaped grain technology revolutionizes the grinding process

3M Abrasive Systems rocked the grinding world last year with the introduction of 3M™ Cubitron™ II Bonded Abrasive Grinding and Cut-Off Wheels. Now, those same benefits to the operator – faster cutting with less pressure, and longer lasting abrasives – are available in 3M™ Cubitron™ II Flap Discs. With this new offering, tough tasks like weld grinding, deburring, rust removal, edge grinding, and weld seam blending can be finished faster and more easily.

Cubitron II flap discs capitalize on 3M's proprietary precision-shaped grain technology to provide superior cut rates, while the irregular shapes of conventional ceramic abrasive grains "plow" through metal, resulting in heat buildup, slower cutting and shorter life, precision-shaped grains are uniformly sized triangular structures that are evenly distributed onto the backing, allowing them to slice through the substrate. They also continuously fracture during use to form sharp points and edges.

With this technology, the flap disc requires significantly less pressure than competitive products, reducing operator fatigue. In fact, other abrasives require up to three times the amount of pressure to match the cut of the Cubitron II abrasives. 3M's revolutionary technology helps the abrasive last longer, prolonging the life of the disc. With faster cutting and prolonged disc life, shop owners can also enjoy the benefits of increased throughput and reduced abrasive costs.

In addition to the precision-shaped grain breakthrough, Cubitron II flap discs also feature a uniquely designed backing that enables controlled, even wear, allowing for full utilization of the disc with no premature dulling or glazing. The versatile discs work in low-, medium-, and high-pressure applications, helping simplify shop inventory. A grinding aid also assists in keeping the product cool while grinding on stainless steel and heat-sensitive metals.

"Precision-shaped grain technology has been enthusiastically received in our belts, fiber discs and bonded wheels, and we're excited to bring it now to flap disc applications," said Dan Cunningham, director of sales and marketing, 3M Abrasive Systems. "With increased productivity, prolonged abrasive life and a smoother cut, this technology is another big breakthrough for operators and shop owners."

To learn more about Cubitron II abrasives, visit www.3M.com/cubitron2.

About 3M

3M captures the spark of new ideas and transforms them into thousands of ingenious products. Our culture of creative collaboration inspires a never-ending stream of powerful technologies that make life better. 3M is the innovation company that never stops inventing. With \$30 billion in sales, 3M employs about 88,000 people worldwide and has operations in more than 70 countries. For more information, visit www.3M.com or follow @3MNews on Twitter.

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