



# X - PERIENCE THE CERAMIC FORCE

FASTER. STRONGER. BETTER.



Aggressive  
Cutting Action



Special "Top Coat"  
for Heat Resistance



Longer Life

# ABOUT CUMI

## 70 Years of Manufacturing Excellence

Founded in 1954, Carborundum Universal Limited (CUMI) has evolved into a global leader in industrial abrasives, electro minerals, advanced ceramics and super refractories. With state-of-the-art manufacturing facilities across India and worldwide, CUMI combines deep technical expertise with a global presence to deliver high-performance solutions. Its extensive range of coated and bonded abrasives is engineered for precision, ensuring exceptional quality, durability and safety across diverse industrial applications.

## Commitment to Quality and Innovation

CUMI's manufacturing facilities uphold the highest standards of quality, environmental responsibility, safety and energy efficiency, as recognised by certifications from the Japanese Institute of Plant Maintenance (JIPM) and TUV Nord.

Established in 2006, CUMI's Sriperumbudur plant spans 22.5 acres and stands as a benchmark in coated abrasives manufacturing. It houses the advanced Surface Technology Centre (STC), an in-house research facility that replicates real-world conditions to drive innovation and optimize product performance. With an annual production capacity of 30 million square meters, the facility offers unmatched scale and versatility, manufacturing a comprehensive range of coated abrasives - including sheets, rolls, fiber discs, flap discs, flaps and mops, belts and wide belts—to meet the evolving needs of domestic and international markets.



4 Business Verticals



Over 1000+ Product Varieties



ISO Certified MFG locations



Presence in 40+ Countries



Backed by 70 years of manufacturing legacy and material science excellence, Ceramic abrasives are designed with advanced grain technology to deliver superior durability and cutting efficiency compared to conventional coated abrasives. Their micro-fracturing structure enables continuous self-sharpening, ensuring a consistent, aggressive cut under moderate to high pressure and uniform performance over time.

## ADVANTAGES OF CUMI'S CERAMIC RANGE



### SHARPER GRAINS FOR ENHANCED CUTTING ABILITY

Specially treated sharp micro crystalline grains with compact nano crystals that offer sharper cutting edges, enhanced further by grain fracture at micro-crystalline level leading to continuous generation of sharper cutting edges suited for difficult-to grind materials (Inconel, Titanium & other super alloys). Special grain-coating technology enhances cutting abilities with consistent cut-rate.



### SPECIAL BACKING FOR EXTENDED LIFE

Sturdy, high-strength, tear-resistant backing enhances performance and durability making it suitable for heavy-duty applications.



### NEW GENERATION RESIN BOND

Optimal grain anchoring for continuous sharp cutting action. Provides better resistance to moisture and oils making the product ideal for wet sanding and coolant-assisted grinding.



### TOP SIZE COAT FOR COOLER CUTTING

Minimises thermal damage in stainless steel & super alloy materials, facilitating cooler, cutting action.



### CUMIFLEX XE Flap Disc

Sizes  
4" 4.5" 5" 7"

Grits  
24 - 120



Available in Standard & High-Density Flap Range



### CUMI Premium Ceramic Belts YS592 & YS593

Sizes  
Tailor-made/ Custom-Sized

Grits  
24 - 120



### CUMIFLEX XE Fibre Disc

Sizes  
4" 4.5" 5" 7"

Grits  
24 - 120



### CUMIFLEX XE Quick Change Disc

Sizes  
2" 3"

Grits  
24 - 120



Suitable for Stainless Steel | Carbon Steel | Alloy Steel

# CUMI CERAMIC BELTS – YS 592 & 593

CUMI's Ceramic Belts are built for high-speed, high-pressure sanding in demanding applications. Engineered to withstand high pressure, these belts resist wear, minimise heat buildup and deliver consistent cutting efficiency—making them the ideal choice for heavy-duty grinding and finishing.

## FEATURES



High-Performance Ceramic Grains for Faster Cutting



New Generation Resin with Better Bonding Strength



Top-coat Prevents Capping and Facilitates Cooler Cutting



Sturdy & Tear-Resistant Backing Enhances Product Life

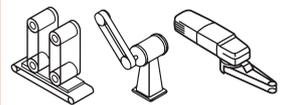


Also available in Quick-Change Discs for added versatility and convenience.



**Sizes**  
Tailor-made/ Custom-Sized

**Grits**  
24-120



## TEST PARAMETERS

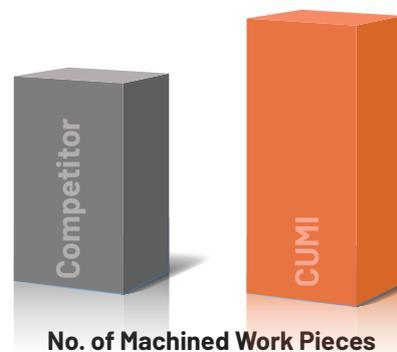
Mode of Test : Robotic

Type : Butt Joint Belt

Grit : 36

Machine : Automatic Belt Grinding Machine

Material : Axle Beam



**15% BETTER GRINDING PERFORMANCE**  
INCREASED OPERATOR COMFORT



# CUMI CERAMIC FIBER DISCS - VR 599

CUMI's Ceramic Fiber Discs are engineered for efficiency and durability, delivering fast material removal, higher cut rates and long-lasting performance. Designed to withstand demanding applications, they ensure burn-free performance, even under high contact pressure sanding, while maintaining consistent grinding efficiency.

**Sizes**  
4" 4.5" 5" 7"  
● ● ● ●

**Grits**  
24-120

**Suitable for**



SS



MS

## FEATURES



High-Performance Ceramic Grains for Faster Cutting



New Generation Resin with Better Bonding Strength



Top-Coat Prevents Capping and Facilitates Cooler Cutting



Sturdy & Tear-Resistant Backing Enhances Product Life

## TEST PARAMETERS

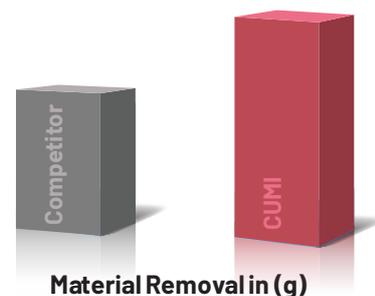
Mode of Test : Robotic

Size : 125 X 22 mm

Grit : 36

Machine RPM : 11500 | Wattage: 1550 W

Material : Welded plate of Mild Steel and Stainless Steel



# 20% HIGHER MATERIAL REMOVAL IN MS & SS WELD APPLICATION



# CUMI CERAMIC FLAP DISCS – XD 599+

CUMI's Ceramic Flap Discs are built for high-speed grinding and finishing on stainless and mild steel, even under high contact pressure. They offer fast material removal, higher cut rates and extended product life, ensuring efficient performance while preventing overheating and wear in demanding applications.

## FEATURES



High-Performance Ceramic Grains for Faster Cutting



New Generation Resin with Better Bonding Strength



Top-Coat Prevents Capping and Facilitates Cooler Cutting



Controlled Wearable Cloth Backing for Enhanced Product Life

### Available Flap Disc Range

Standard-Density

High-Density



Sizes  
4" 4.5" 5" 7"



Suitable for



SS

Grits  
24-120



MS

## TEST PARAMETERS

Mode of test : Robotic

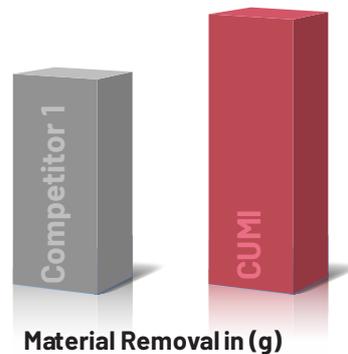
Size : Type 29 | 115 X 22 mm

Grit : 40

Machine RPM : 11500

Wattage : 1550 W

Material : Stainless Steel  
10 mm Thickness



**15% HIGHER MATERIAL REMOVAL**



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