Introducing
Kennametal Conforma Clad® Screens

...extend the life of SCR popcorn screens five to eight times longer than stainless steel!

• Superior Erosion Resistance
  Kennametal Conforma Clad cladding provides significantly higher erosion resistance versus stainless steel. Our cladding enables the substitution of less expensive carbon steel screens for more costly stainless steel screens.

• Metallurgical Bond
  Much more resistant to impact than thermal spray coatings.

• Advanced Cladding Process
  The Kennametal Conforma Clad proprietary process blends hard tungsten carbide particles and tough nickel chrome particles to create a durable, high-density cladding. Applied to components in a controlled atmosphere brazing furnace, the tungsten carbide particles metallurgically bond to the nickel chrome lattice and substrate component, preventing spalling, chipping, and peeling.

• Proven Results
  It would take an inch of chrome carbide weld overlay or three inches of plain carbon steel to equal the erosion resistance provided by 1/16” (1.5 mm) of Kennametal Conforma Clad cladding.

Common Screen Types

- Woven Mesh
- Wedge Wire and Grates
- Expanded Diamond
- Perforated
Technology
Kennametal Conforma Clad’s tungsten carbide cladding provides unmatched resistance against abrasion, impact, erosion, and corrosion. Other types of protection may guard against one form of wear, but only Kennametal Conforma Clad cladding protects against multiple modes of wear - and our application creates a true metallurgical bond. Kennametal Conforma Clad screen capabilities include screens up to four feet by 12 feet (longer lengths may be possible), with screen openings 1/4-inch and larger (screen opening size may need to be adjusted to accommodate coating thickness).

Proven Results
One coal-fired power plant installed stainless steel screens to protect its SCR equipment. In less than six months, the screens were torn apart and had to be replaced. Kennametal Conforma Clad screens were then used and after nine months, the screens showed little wear.

Performance Data

Erosion Resistance Testing (EPRI)

Bond Strength Comparison

8X BETTER
Erosion Resistance than Stainless Steel

8X STRONGER
Bond than Thermal Spray (HVOF)

Place Your Order Now
contact us at 888.289.4590 or at 812.948.2118.