

Coating Services

*Through our strategic alliances, we offer a complete service in **Surface Engineering** And **Coatings Technology**; complimented by full machine shop support. We are a One-Stop shop for ALL your Roll Coatings and part-repair needs.*

HARD Coatings

HVOF-sprayed carbides, Plasma-sprayed ceramics, and Thermal-sprayed alloys can be applied on roll surfaces and components, then finished to specific tolerance and/or Ra.

- Abrasive Wear, Sliding Wear, Erosion, Impact Shock, etc.
- Use as chrome replacement.
- Overall performance increase at *similar* price point
- High-build options available (greater than 0.250")

NON-STICK & RELEASE Coatings

Slick release; Traction release; Web control; Easy clean; etc. We offer customizable surface finishes and a wide material selection to create unique hybrid coatings.

- Teflon® and Xylan®, among others
- Many FDA-compliant versions available
- Extreme temperature variations (from 900°F up to 3000°F)
- "Plasma-Release" coatings

TRACTION & GRIP Coatings

Permanent traction coatings applied directly onto roll surfaces replacing costly wraps and avoiding their hazards. Such coatings are hard, long-lasting, can be re-applied after long service. Some have sharp peaks, others with rounded points to avoid scratching of the material being processed.

- Customizable finish using sandpaper-grit equivalent for easy customer translation

REPAIR & REFURBISH Coatings

Our full service machine shops allow us to offer new cores, repair and restoration of worn or broken rollers/parts. We can also handle pitting, dimensional restoration, deep wear repair, and spot repair.

- Cylindrical grinding (Includes Diamond and CBM grinding)
- Machining, Milling, Surface grinding, Belt-grinding
- Welding, Fabrication, Dis- and Re-assembly
- Tolerances better than ± 0.0005 "

SPECIAL PROPERTIES Coatings

We have hundreds of coatings for many purposes and applications including wear, corrosion, heat and electrical resistance or enhancement.

- Custom-made hybrid coatings for unique applications
- Let us tackle the problems that seem to have no solution!

Services & Capabilities

Thermal Spray Services

- HVOF
- Atmospheric Plasma Spray
- Electrical Arc Spray
- Combustion Powder and Wire

Specialty Services

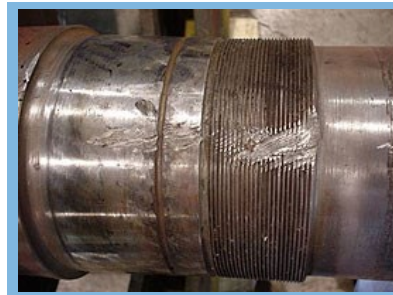
- Fluoropolymers (Teflon®, Xylan®, Tufflon)
- Extreme Non-stick Coatings (Traclon)
- Whitford® Worldwide Certified Applicator
- Cerakote® Certified Applicator
- On-Site Coating Services
- Emergency Turnaround (Premium)

Parts Capabilities

- Weight to 10,000 lbs (call for heavier)
- Diameter up to 38"
- Length up to 336" (28ft)

Machining Capabilities

- Cylindrical OD Grinding
- ID Grinding
- Vertical Milling
- Machining
- Dynamic Balancing
- New Roller fabrication



For more information
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