



We enhance part performance through the application of engineered coatings for a variety of industries. Our deep expertise, solutions-driven innovation, and our commitment to collaborative client partnerships make us the preeminent provider of coating application and surface technology solutions.

In the Wire & Cable industry, friction, corrosion, abrasion and other forces constantly threaten parts, which can derail production and result in costly downtime. CTS engineers are experts at analyzing complex problems and developing innovative solutions to achieve and maintain peak part performance — and when parts are performing, your factory is producing.



APPLIED  
INNOVATION

WIRE & CABLE  
SOLUTIONS

## CTS Cincinnati Thermal Spray, Inc.

**CTS-MIDWEST**  
Cincinnati, OH  
(513) 793-0670  
(855) 441-5758

**CTS-SOUTH**  
Rocky Point, NC  
(910) 675-2909  
(855) 441-5759

**CTS-EAST**  
Springfield, NJ  
(973) 379-0003  
(855) 441-5760

**CTS-TEXAS**  
Rosharon, TX  
(281) 431-1629  
(855) 441-5761



## SERVICES & CAPABILITIES

CTS coating solutions enhance performance and solve problems related to aggressive wear, galling, oxidation, corrosion, and resistance.

### EVERYTHING YOU NEED

We offer full, end-to-end services. From R&D and engineering to solution development and coating application services, CTS technology can transform operational challenges into enhanced production opportunities.

### WHEN YOU NEED IT

We turn around solutions with unmatched speed, which translates to reduced downtime, increased productivity and highly satisfied and loyal clients.

### DONE RIGHT

At CTS, we only succeed when you succeed — and success is the only option. That's why the performance and quality of our surface solutions, the level of attentive service, and the measurable value our solutions consistently deliver are second to none.

## CERTIFICATIONS



CTS is an ISO9001:2008/AS9100C certified company, whose coatings are NADCAP certified (National Aerospace and Defense Contractors Accreditation Program).

## COMPONENTS WE COAT, REPAIR & MANUFACTURE

CTS coats, repairs, and manufactures a large selection of OEM parts for the Wire & Cable industry, including:

### PARTS

Blocks  
Bullwheels  
Capstans  
Drums  
Heads  
Stepcones  
Pulleys  
Sheaves  
Tuner Rolls  
Guide Rolls  
Dancer Rolls

Coiler Capstans  
Draw Rings  
Finishing/Take-Up Capstans  
Multi-Groove Capstans  
Deflector Wheels  
Annealer Capstans  
Annealer Hubs  
Annealer Spray Tubes  
Descalator Inserts (Solid Carbide)  
Straightener Rolls (Solid Carbide)  
Mill Rolls (Solid Carbide)

### OEM

GCR EURODRAW  
FRIGERIO  
HERBORN  
KOCH  
LAMNEA BRÜK  
LARIBEE  
MORGAN/VAUGHN  
NIEHOFF

WATERBURY FARRELL  
SAMP  
SYNCRO  
WATKINS

### THERMAL SPRAY

- Combustion Wire Spray
- Combustion Powder Spray
- Electric Arc Spray
- Plasma Spray
- HVOF Spray
- Spray and Fuse Coating
- On-Site Thermal Spray Services

### FINISHING

- ID/OD Grinding of Hard Face Coatings
- CNC / Engine Lathe Machining
- Slack Belt Polishing
- Super Finishing Equipment

### INSPECTION

- 24-Hour Production Lab Services
- Custom Gauging & Measuring Devices
- Full Metallographic Capabilities
- Image Analysis for Porosity Evaluation
- Hardness Testing, Micro / Macro
- Tensile Bond Strength

### CTS TECHNOLOGY CENTER

- Advanced Thermal Spray Development
- Custom Material Selection
- New Material Evaluations for Thermal Spray
- Refinement of Thermal Spray Parameters
- Failure Analysis
- In-House Furnace Cycle Testing
- Manufacturability Improvements

### ENGINEERING

- Part Specific Thermal Spray Development
- FANUC 7 Axis Robotic Programming
- In-House Tooling Design and Fabrication
- 3D CAD Design with SolidWorks
- 3D Printing for Tool Prototyping
- Program Gantt Tracking Using MS Project

### OTHER PROCESSES

- Dry Film Lubricant Application Equipment
- Sealer Application Equipment
- Slurries
- Ovens for Curing Lubricants or Sealers
- Grit Blasting
- Shot Peening