



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 Oil & Gas 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

OIL & GAS
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



THE CTS DIFFERENCE

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).

SERVICES & CAPABILITIES

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

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

COMPONENTS WE COAT, REPAIR & RESTORE

CTS coats, repairs and offers finishing services for refurbished and OEM parts for the Oil & Gas, Pump, and Petrochemical industry.

PARTS

- Down Hole Drilling Tools
- Reciprocating Shafts
- Rotating Shafts
- Mandrels
- Drilling Jars
- Compressor Rods
- Pump Components
- Turbine Shafts and Screws
- Shafts
- Impellers
- Valves and Seats
- Boiler Tubes

COATING SYSTEMS

- HVOF JP 5000
- HVOF JetKote
- APS – Metco Plasma 9MC

BENEFITS

- Wear Resistance
- Erosion Protection
- Corrosion Protection
- Application Versatility
- Improved Performance
- Minimal Porosity
- Smoother as Sprayed Surface
- Cost Effective
- Superior to Plating
- Improved Harsh Environment Performance

For more information, visit:

CTS-INC.NET/OIL-GAS