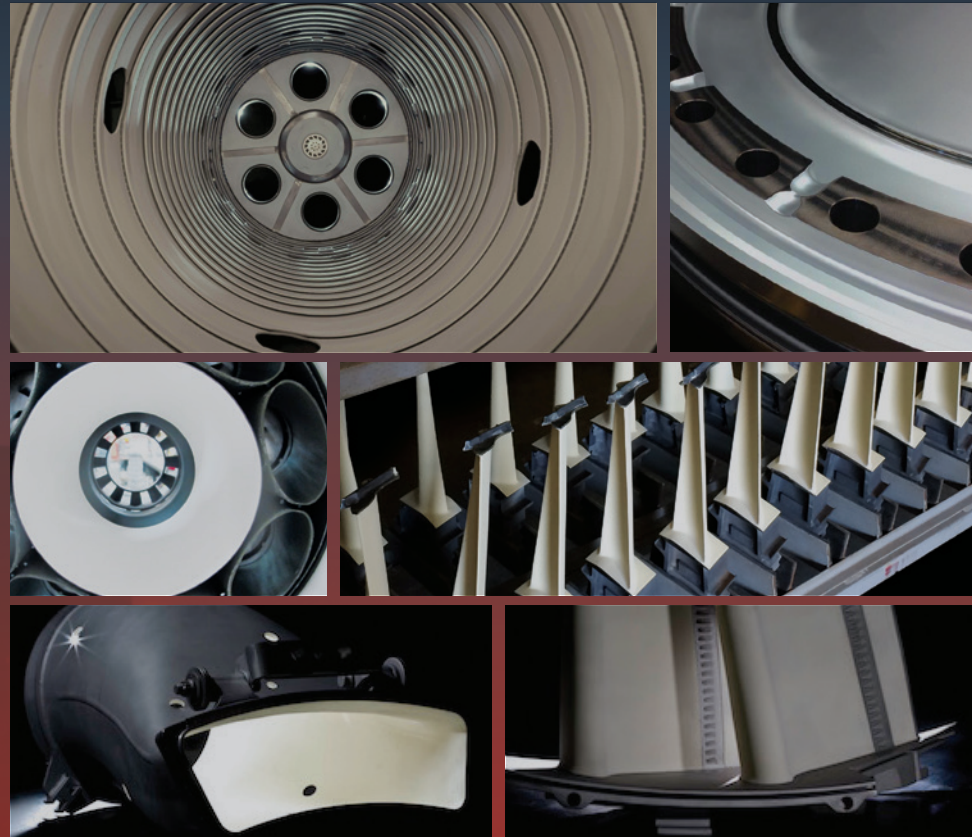




We enhance part performance through the application of engineered coatings for a variety of industries. Our deep expertise, solutions-driven innovation, and our commitment to collaborative client partnerships make us the preeminent provider of coating application and surface technology solutions.

In the Power Generation 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

POWER GENERATION COATINGS

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



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 our customers' parts 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



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
- High-Velocity Oxygen Fuel (HVOF) Spray
- Spray and Fuse Coating
- On-Site Thermal Spray Services Available

FINISHING

- ID/OD Grinding of Hard Face Coatings
- CNC / Engine Lathe Machining
- Slack Belt Polishing
- Super Finishing Equipment
- Proprietary Methods for Advanced Polishing of TBC's

INSPECTION

- 24-Hour Production Laboratory Services
- Custom Gauging and 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
- Advancement of Integrated Process Control

ENGINEERING

- Part Specific Thermal Spray Development
- FANUC 7 Axis Process 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 Lubricants
- Anti-Corrosion Slurries and Paints
- Mechanical Removal of Coatings
- Shot Peening

COMPONENTS WE COAT

CTS coats a large selection of components for the aerospace industry, including:

PARTS

Combustion Liners

Transition Pieces

Nozzle Segments/Vanes

Blades/Buckets

Combustion Tiles

Shroud Blocks

Spring Seals

Diaphragms

Crossfire Tubes/Retainers

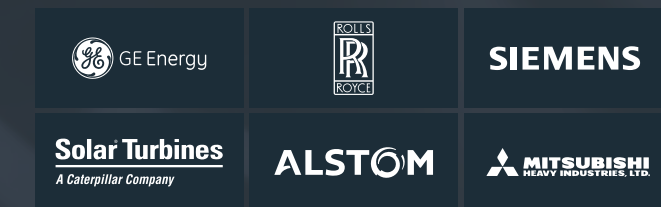
Fuel Nozzles

Venturis

Cap Cows

APPROVALS

CTS is currently approved to supply coatings and processes to the following power generation companies, their sub-tier suppliers, or both:



To see a full list of our approvals, visit:

[CTS-INC.NET/POWER-GENERATION](https://www.cts-inc.net/power-generation)