

ROBOTIC THERMAL SPRAY

ARC Specialties is an experienced provider of turnkey robotic solutions for thermal spray projects. Robotic Thermal Spray mitigates safety hazards, reaches unparalleled levels of accuracy, increases efficiency, allows for simple set-up, and has the durability to withstand volatile thermal spray environments.

SAFETY

- Removes Operator from spray booth.
- Minimizes exposure to Hexavalent Chromium, heat, and noise.
- Complies with OSHA new PEL.

ACCURACY

- Maintain 0.0005" - 0.001" coating per pass to minimize stress build up in coatings.
- Process geometries too complex for manual coating.

EFFICIENCY

- Increase "Gun On" time.
- Minimize grinding, lapping, defects, and redos.

SIMPLICITY

- Teach & Repeat programming
- Controlled, repeatable torch angle allows for shadow masking.
- Ability to save and recall existing programs for repeat jobs.



DURABILITY

- Durable foundry-grade paint and IP67 seals withstand toughest environments.
- Low maintenance.
- Seals allow for easy blow down cleaning.