

PAINTING AND SURFACE PREPARATION



Passion for Perfection

With over sixty years combined experience, our professionals take pride in their work as artists and craftsmen to provide the highest quality product.

A culture of continuous improvement has produced process upgrades, like "same booth" painting and baking to eliminate unnecessary part movement, as well as optimized locations for computing hardware and manufacturing tooling.

The pristine facility conditions and filtered air in contamination-controlled areas ensure defect-free coatings the first time and every time.

Environmentally Responsible

As a responsible member of the community, PECO uses only fully OSHA-compliant processes. Our zero-discharge shop uses high volume, low pressure (HVLP) guns that reduce volatile organic compounds (VOCs) and hazardous air pollutants (HAPs).

Experience and Capability

In business since 1938 and a tier one aerospace supplier since 1964, demanding customers know they can count on PECO. Our dedicated 12,000 square foot painting and finishing facility represents our latest investment in state-of-the-art technology to support our customers' requirements.

PAINTING AND SURFACE PREPARATION HIGHLIGHTS

- NADCAP accredited for composites and chemical processing
- Plastic and metal painting
- Chemical conversion coatings on aluminum and aluminum alloys
- SolGel™ conversion coatings on corrosion-resistant alloys for painting
- SolGel™ conversion for titanium bonding
- Boeing D1-4426 approved
- Fully RoHS compliant processes
- Approved specifications include:
 - MIL-C 5541
 - MIL-DTL-5541
 - BAC 5719
 - BAC 5665
 - BAC 5793
 - BAC 5514
 - BPS-07-001

Working with PECO

When you work with PECO Precision Manufacturing, you can rely on us to provide high quality, high precision, on-time deliveries. Our customers include major defense contractors, medical device and instrumentation companies with global operations, semi-conductor equipment manufacturers, aerospace companies, telecommunications companies, specialized OEMs and a variety of other companies from a broad cross section of industries. We take the tough jobs that other companies can't.

Look to our resident Manufacturing Engineering Team to help design an end-to-end solution that meets your specific requirements. We're a complete turnkey manufacturing partner with every capability you'll need within our state-of-the-art 180,000 square foot facility.

PROCESS	RANGE OF CAPABILITIES
Metal die casting	85T – 880T aluminum/zinc, vacuum assist and shot monitoring
Plastic injection molding	40T 2oz – 850T 100oz, integral color, humidity control, ultrasonic welding
Precision machining	Seven state-of-the-art machining centers including Mazatec FH-5800 with Pallatech™ manufacturing cell
Screw machining	Single and multiple spindle automatic, automatic forming
Assembly and integration	Robotic assembly and material handling, climate controlled facilities
Painting and surface preparation	Two cross-draft painting facilities with force cure, NADCAP accredited, RoHS-compliant chromate, Sol-Gel™, part sizes up to 0.53m³



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