

Thermoplastics Capabilities

Texstars has a wealth of experience and expertise in the molding and forming of engineering-grade thermoplastics and thermoplastic composites. Our injection molding, thermoforming and blow molding processes combined with our value-added general fabrication and assembly capabilities offer “one-stop-shop” sourcing that can reduce the vendor base of our valued customers.

The use of exotic, high-temperature and filled materials are common at Texstars. Our immense history and collective engineering knowledge are truly uncommon in the aerospace and defense industry.

In-House Tooling Capabilities

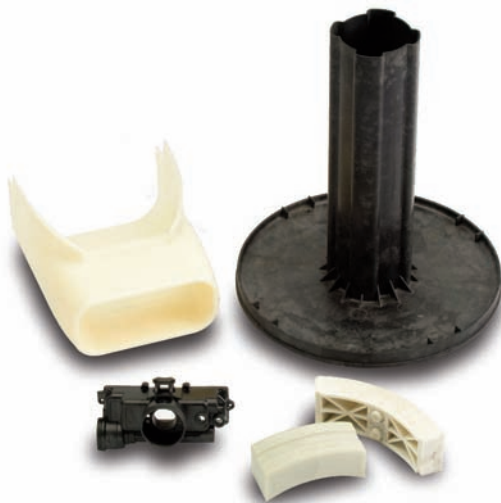
Texstars has full capabilities to design and build metallic or composite tooling in-house. Digital file translation and multiple software format capabilities are used. All injection molds, blow molds, thermoform dies and vacuum holding fixtures can also be modified, repaired and maintained on-site. This valuable capability advantage allows quality, cost and schedule control to help move programs forward.

Customer Base

Airbus Industries
 ATK Alliant Techsystems
 BAE Systems
 B/E Aerospace
 Bell Helicopter
 Boeing Commercial Airplanes
 Boeing Integrated Defense Systems
 Boeing Phantom Works
 Bombardier Canadair
 Eclipse Aviation
 Goodrich Aircraft Interior Products
 Kinkisharyo Limited
 Lockheed Martin Aeronautics
 Lockheed Martin Skunk Works
 Northrop Grumman Corporation
 Raytheon Company
 Spirit AeroSystems
 U.S. Air Force
 U.S. Army Missile Command
 Triumph Aerostructures - Vought

Thermoplastic Aerospace Products

- Interior Panels
- Air Ducting
- Housings
- Stretched Acrylic
- Sabots
- Rocket Pod Covers
- Containers
- Missile Components
- Covers
- Glare Shields
- Engine Covers
- Optical Laminates
- Seat Components
- Wing Slats
- Ordnance Components
- Air Diffusers
- Inlet Covers
- Classified Parts



AS9100-B
Nadcap - Composites
ISO 9001:2000

Thermoplastics Capabilities

Thermoplastic Aerospace Processes

- High-Temp Thermoforming
- High-Temp Injection Molding
- Blow Molding
- Stretched Acrylic to MIL-PRF-25690
- Thermoplastic Composite Forming
- Secondary Finishing & Assembly

General Fabrication Operations

- Trim/Drill
- Assembly
- Prime/Paint
- Bond/Rivet
- Sand/Finish
- Kit/Package



Value-Added Assembly & Secondary Fabrication Capabilities

Texstars has a unique role in the aerospace industry in that our expertise of multiple lean manufacturing processes is unmatched. Products utilizing composite and thermoplastic materials can be combined with our assembly and secondary fabrication capabilities to yield next-higher assemblies today's airframe manufacturers require.

Our infrastructure and capital equipment arranged within our 300,000 square feet of facilities offer an extraordinary collection of integration OEMs crave. Value-added installation-ready assemblies and secondary finishing capabilities have always been a core competency at Texstars.

Thermoplastic Materials

- Polycarbonate
- PEEK
- Polypropylene
- Ultem
- Nylons
- ABS
- Acrylic
- Noryl
- Acrylic PVC

Thermoplastic Molding & Forming Programs of Note

PROGRAM	MATERIAL
Helmets & Optical Visors for NASA's Gemini and Apollo Astronauts	Optical-Grade Polycarbonate
World's First All-Composite MK-125 Missile Warhead Assembly	30% Carbon-Filled Ultem
Observation Window for Air Force One	Optical-Grade Polycarbonate
Night Vision Goggle Components	30% Carbon-Filled Ultem
Sabots for the Multiple Launch Rocket System	30% Glass-Filled Nylon
Rocket Pod Covers for Multiple Launch Rocket System	Noryl
Air Intake Scoop for BQM-74E "Chucker" Target Drone	Texin 4215
Cockpit & Crew Rest Interior Liners for Boeing C-17	Ultem
End Seals for Boeing 777	PEEK
Glareshield Assemblies for F-15	Polycarbonate
Observation Windows for Submersible Watercraft	Optical-Grade Polycarbonate
Environmental Ducting for All Bell Helicopter Aircraft	Polycarbonate
Wing Tip Lenses for Boeing, Airbus, Fokker, Saab & Others	Optical-Grade Polycarbonate
Classified Programs	Classified



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