



Mass Transit Interiors Capabilities

Texstars is a fully integrated fabricator utilizing advanced composite thermoset (FRP) and engineering-grade thermoplastic materials for passenger rail vehicle applications. Some of the transit systems Texstars has supported since the 1970s include Washington, D.C. Metro (WMATA), Dallas Area Rapid Transit (DART), Bay Area Rapid Transit (BART), Long Island Rail Road, New Jersey Transit and Southern California Regional Rail Authority (SCRRA).



Texstars' aerospace-related Nadcap - Composites quality accreditation strongly states our commitment to excellence in the fabrication of composite interior rail car products including interior liners, composite components and thermoplastic subsystems.

VARTM Environmentally-Friendly Molding

In the 1990s, Texstars pioneered a proprietary version of vacuum-assisted resin-transfer molding (VARTM) that uses a closed-mold production setting. This unprecedented process permanently laminates a decorative film that is very durable, graffiti-resistant and easily maintained.

As a result, this efficient one-step environmentally-friendly process has become the industry standard for producing high-end interior panels and window masks used in passenger rail cars. Some leading factors in this process is based on the ability to produce a product that exhibited constant wall thicknesses, aesthetic quality and consistent part weight.

Mass Transit Products

Processes

- Closed-Mold VARTM
- Thermoforming
- Custom Lamination
- Injection Molding
- Composite Prepreg Lay-Ups
- Blow Molding
- Sandwich Lamination

Value-Added Assembly & Secondary Fabrication Capabilities

Texstars has a unique role in both the mass transit and aerospace industries 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 OEMs require.

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

In-House Tooling Capabilities

Texstars offers complete in-house tooling design and fabrication capabilities. Digital file translation and multiple software format capabilities are used and depending on production requirements and objectives, composite or metallic tooling can be utilized. If tool modification, repair or maintenance is needed, this favorable in-house advantage allows better control of tooling quality, cost and schedule for our customers.



Fire, Smoke & Toxicity Requirements

Texstars has a long history and familiarity with many specific composite and thermoplastic materials in rail applications that meet or exceed all FST (fire/smoke/toxicity) requirements of ASTM E-162, ASTM E-662, Boeing BBS 7239, FRA 49 CFR 238 Appendix B, Bombardier SMP 800C and NFPA 130.

Our comprehensive understanding and vast experience processing thermoplastic and thermoset materials originated in the aerospace market and has since been utilized for stringent mass transit safety requirements.

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