



WDS
WURMS DIVERSIFIED SOLUTIONS



CORE CAPABILITIES

ONE PARTNER. MULTIPLE MATERIALS. BUILT FOR TRANSIT.

Wurms Diversified Solutions (WDS) partners with transit OEMs and system integrators to deliver precision-manufactured interior components engineered for high-frequency public use. From bus systems to rail, metro, and airport people movers, WDS helps simplify complex interior systems by integrating plastics, wood panels, and upholstery under one company — with the repeatability and discipline transit programs demand.

We build components that hold up to continuous duty cycles, aggressive cleaning, vibration, and long service lives — while meeting the performance, safety, and quality expectations of modern transit fleets.

Who We Serve and What We Build:

Wurms supports bus, rail, and specialty transit manufacturers designing and integrating interior systems that prioritize durability, cleanability, comfort, and lifecycle cost control.

Core Transit Component Categories:

- **Seat shells, backs and armrests** - lightweight, vandal-resistant plastic and composite forms
- **Interior panels and enclosures** - sidewall panels, service covers, housings, and trim components
- **Decorative and functional partitions** - engineered substrates with durable laminate finishes
- **Seating boards, substrates and cushions** - precision cut wood seat boards, vinyl seat covers and seamless upholstery systems
- **Sub-assemblies and integrated modules** - installation-ready components for Tier-1 interior systems

Advanced plastic thermoforming, pressure forming, and 3D print production:

WDS delivers capabilities engineered for the demands of public transit environments. Our expertise spans a wide range of performance plastics used for seat shells, back panels, service enclosures, trim components, and modular interior elements. These processes enable smooth, sealed geometries that are lightweight, durable, easy to clean, and well-suited for high-use transit interiors.

Precision CNC Wood and Plastic Routing:

WDS utilizes advanced CNC technology for the precise cutting, milling, and machining of engineered wood substrates and plastic components. This capability supports tight tolerances, repeatability across long production runs, and consistent interfaces for Tier-1 system integration.

In-House Tool Building and 3D print prototyping:

Rapid prototyping and efficient production of specialized components utilizing tool building and 3D printing capabilities, which can help develop custom parts and ensure precise fit and function. Our in-house tool-building department has a FARO scanner and the Polyworks software system to scan in 3D and reverse-engineer parts for CAD and QMS. We have CNC machines dedicated to cutting new thermoform molds and trim fixtures.

Thermo Lamination and Component Fabrication:

Our advanced thermo lamination and fabrication capabilities include precision CNC routing of wood and plastic, membrane-press thermo lamination, edge banding, and finishing of engineered panels. This capability allows Wurms to produce durable, cleanable panel systems and decorative surfaces — including wood-appearance solutions — without sacrificing performance or service. We excel at working with a wide range of materials, from traditional woods like plywood and MDF to lightweight MDF.

Edge Banding and Assembly Services:

Providing straight-line, contour, T-molding applications, and edge banding using PVC, HPL, and veneer edging up to 3mm thick to create a refined finish for components. Wurms also offers comprehensive assembly services, including hardware installation and cosmetic or support pieces, for turnkey or ready-to-assemble products, streamlining the manufacturing process.

Seamless Vinyl Upholstery & Cushion Systems:

WDS designs and manufactures seamless vinyl upholstery systems and cushion assemblies that deliver comfort, durability, and easy maintenance. Seamless constructions eliminate stitch failure points, reduce moisture intrusion, and simplify cleaning — making them ideal for high-turnover transit seating applications.



TO REQUEST A QUOTE
Call 419-492-2184 Ext. 2

MADE IN
USA



QUALITY AND MANUFACTURING DISCIPLINE

Wurms operates under an ISO 9001-registered Quality Management System, supporting consistent processes, documented controls, and disciplined change management. We are experienced in producing components with tight, repeatable tolerances critical for seating systems, panel interfaces, and modular transit interiors.

Advanced inspection capabilities — including FARO metrology with PolyWorks software — support first-article inspection, dimensional verification, and ongoing quality validation. Wurms supports PPAP-style documentation, traceability, and production consistency to reduce program risk and support long-term fleet performance.



ADVANTAGES FOR TRANSIT OEMS AND SYSTEM INTEGRATORS

Multi-Material Integration:

Wood, plastics, and upholstery are manufactured and assembled by one partner, reducing supplier complexity and integration risk.

Precision and Repeatability at Scale:

Processes engineered for consistent output across long production runs, supporting fleet programs and refurbishment cycles.

Durability for High-Frequency Use:

Components are designed to withstand vibration, abrasion, impact, and aggressive cleaning, typical of the public transit service industry.

Modularity and Lifecycle Efficiency:

Panel systems, seating components, and trim packages designed for easier replacement, refurbishment, and reconfiguration — helping reduce total cost of ownership.

Engineering-Focused Collaboration:

Direct support for design, prototyping, and system integration — from early concept through production ramp-up.



MATERIALS EXPERTISE

Wood:

Plywood, exterior-rated sheathing, marine grade, hardwood grades, import grades A-D, MDF, HDF, OSB, particle board, engineered wood, High-Pressure & Lo-Pressure Laminates, Phenolic

Plastics:

ABS, acrylic, HDPE, polyethylene (PE), PVC, HIPS, PVC foam, polycarbonate (PC), TPO

Laminates:

Wilsonart (R), Formica(R), NEVAMAR(R), SSI, Dackor, Renolit, Kydex®, OMNOVA® surf(x) EFX and other premium thermo foils

Upholstery:

Seamless, vacuum-grade vinyl



QUICK DELIVERY

Leveraging our efficient production processes and streamlined operations, WDS promises a two-week lead time for delivery



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