

# NF ELIT LaserPro

100% BIRCH PLYWOOD ENGINEERED FOR LASER CUTTING AND DIE-BOARD PRODUCTION, FEATURING LASER-COMPATIBLE MR ADHESIVE FOR CLEAN, SCORCH-FREE CUTS, WITH TIGHT THICKNESS TOLERANCES AND OPTIONS FOR SANDING, UV COATING, OR MELAMINE FACING IN STANDARD U.S. SHEET SIZES AND COMMON THICKNESSES.



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Tight thickness tolerances



Best quality veneers for face and core



100%  
BIRCH  
VENEERS



LITTLE TO  
NO  
DEFECTS



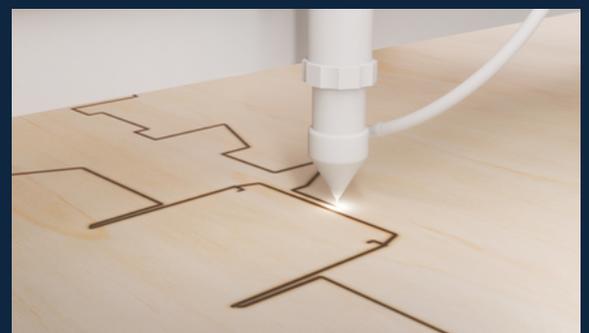
LASER-  
COMPATI  
BLE GLUE



CONSISTEN  
TLY FLAT  
BOARD



Consistently flat sheet



Laser-compatible glue

# ***LaserPro Birch Premium Birch Plywood for Laser Cutting***

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## **Key Features:**

**100% Birch Veneers:** Face and core layers free of knots or discoloration for a flawless finish.

**Precision Flatness:** Thickness tolerance  $\pm 0.01''$  ( $\leq 1/2''$ ) or  $\pm 0.008''$  ( $> 1/2''$ ); length/width  $\pm 0.12''$  ( $\leq 5'$ ) or  $\pm 0.16''$  ( $> 5'$ ).

**Laser-Ready Adhesive:** MR-grade, moisture-resistant glue for clean, scorch-free cuts.

**Low Emissions:** CARB Phase 2 compliant ( $\leq 0.10$  ppm), with options down to 0.05 ppm.

**Stable Panels:** 40–44 lb/ft<sup>3</sup> density; moisture  $\leq 10\%$  for consistent performance.

**Surface Grades & Finishes:** Choose BB/BB or B/BB; available raw-sanded, UV-coated, or melamine-faced.

## **Available Sheet Sizes for Laser Cutting:**

**4' × 8' (48" × 96"):** Ideal for most laser cutters and standard production runs.

**5' × 10' (60" × 120"):** Extended format for larger parts and seamless panel layouts.

**4' × 7' (48" × 84"):** Compact sheets for material savings and easy handling.

## **Common Thicknesses for Laser Cutting:**

**1/8" (0.118"):** Thin option for fine detail work and minimal edge scorch.

**1/4" (0.236"):** Versatile thickness balancing strength and cutting speed.

**1/2" (0.472"):** Stiffer panels for heavy-duty parts and structural components.



## APPLICATIONS

**Educational & Hobby Projects:** Thin grades work well for craft kits, educational models, and maker-space applications.

**Die-Board Manufacturing:** Ideal for precision cutting of die boards and tooling templates.

**Prototyping & Jigs:** Excellent choice for custom fixtures, jigs, and prototype parts.

**Signage & Decorative Elements:** Smooth, uniform finish makes it perfect for laser-cut signs, logos, and ornamental panels.

**Architectural Models:** Stable, low-emission panels suited for detailed scale models and mock-ups.

**Industrial Templates:** Durable enough for repeat use in routing and CNC operations.

