

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



100%
BIRCH
VENEERS



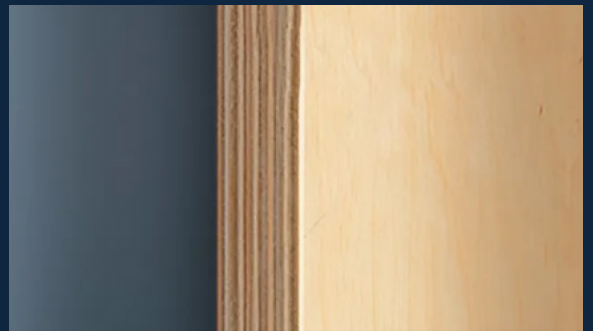
LITTLE TO
NO
DEFECTS



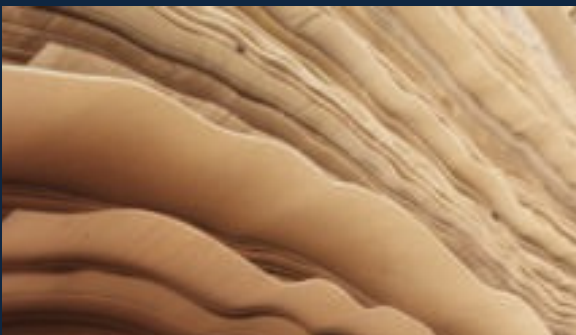
LASER-
COMPATI
BLE GLUE



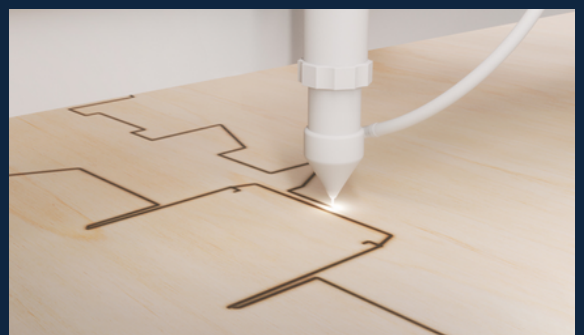
CONSISTEN
TLY FLAT
BOARD



Consistently flat sheet



Best quality veneers for
face and core



Laser-compatible glue

LaserPro Birch Premium Birch Plywood for Laser Cutting

NF ELIT

Key Features:

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

Precision Flatness: Thickness tolerance $\pm 0.01''$ ($\leq \frac{1}{2}''$) or $\pm 0.008''$ ($> \frac{1}{2}''$); 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 (≤ 0.10 ppm), with options down to 0.05 ppm.

Stable Panels: 40–44 lb/ft³ 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.

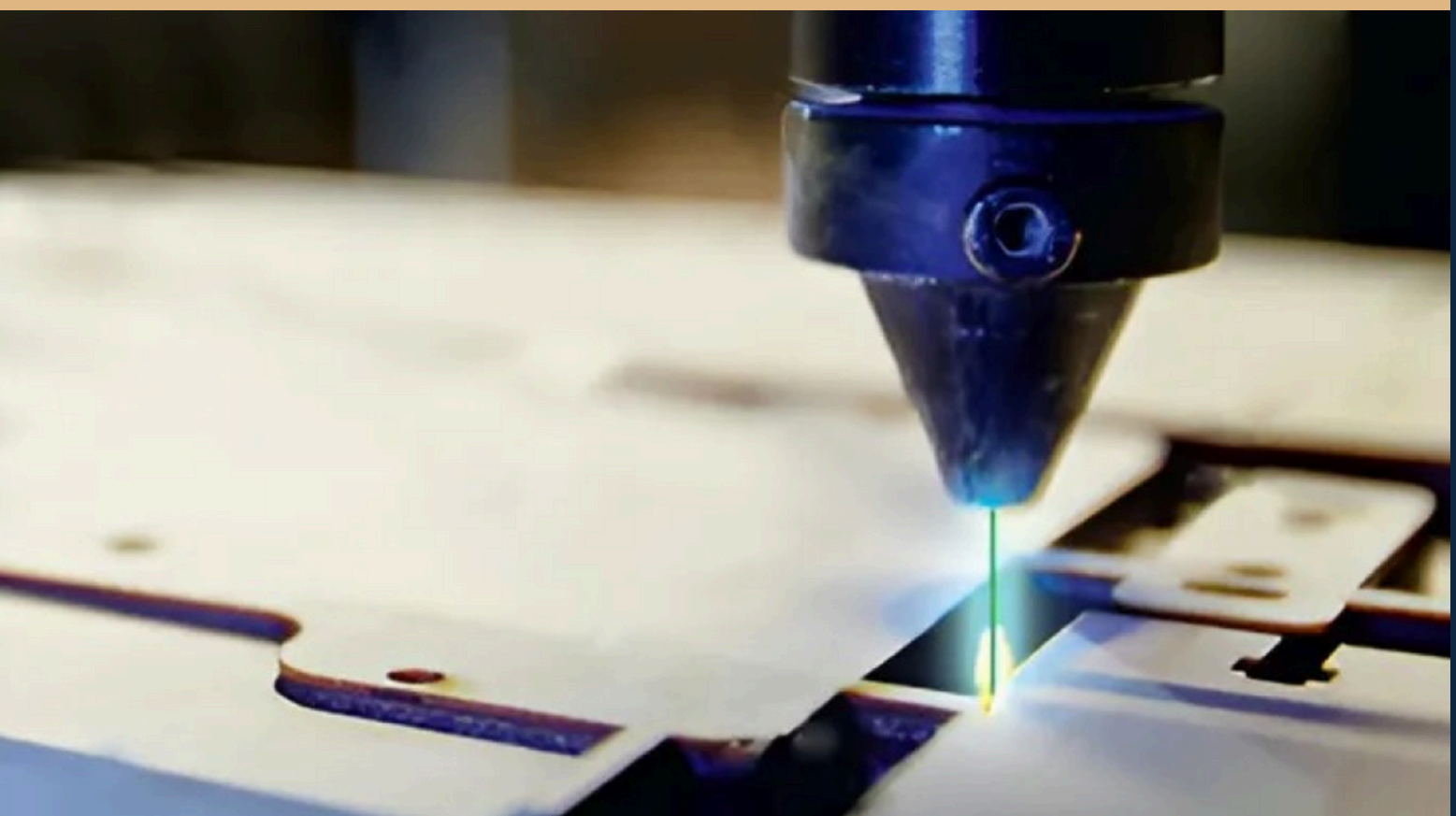
4' × 7' (48" × 84"): Compact sheets for material savings and easy handling.

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.

