

FLAT DIEBOARDS

➔ *Freeman Manufacturing & Supply Company has the most comprehensive selection of flat dieboards in the industry.*

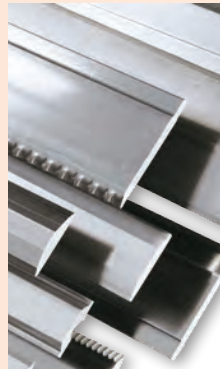
Choose from Birch, UV Coated Birch, 7-ply Maple, or High-Strength Composites to suit any diecutting application.

Freeman offers the largest stocked inventory of any supplier, ready for same-day shipping.



Did you know Freeman is your “One-Stop Shop” for rule, die supplies, and hardware?

Check out the other sections to see all of our complementary products.



MAPLE DIEBOARDS

Freeman UltraFlat Maple

The industry's flattest Maple Dieboard is guaranteed flat to IADD specifications and certified stamped flat. This board was developed in response to diemakers' and converters' requests for a flatter maple dieboard.

UV Coated Maple offers all the strength and reknifing capabilities of UltraFlat Maple with the added benefit of stability. The moisture-inhibiting UV Coating helps the cutting dies remain matched to their steel counterplates.

- ▶ Thicknesses from 1/4" to 1"
- ▶ 7-ply construction
- ▶ Available with No Coating or UV Coating
- ▶ Guaranteed flat to IADD specs
- ▶ Stands up to long run and heavy duty applications

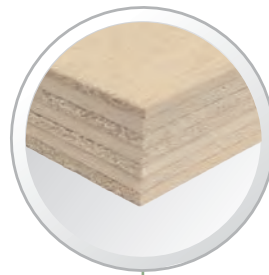


Marco Pure Maple

Marco Pure Maple is the only flat dieboard in the industry using 100% maple. This 7-ply board is extremely flat and is manufactured with a low moisture content for optimum stability and reknifability.

UV Coated Maple offers all the strength and reknifing capabilities of Marco Pure Maple with the added benefit of stability. The moisture-inhibiting UV Coating helps the cutting dies remain matched to their steel counterplates.

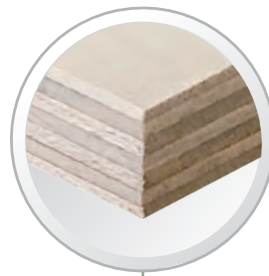
- ▶ Thicknesses from 1/2" to 3/4"
- ▶ 100% maple
- ▶ Available with No Coating or UV Coating



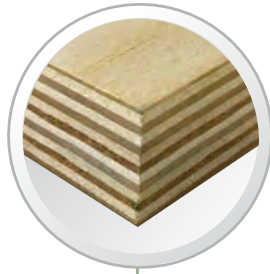
Marco MV Maple

The proven 7-ply construction of Marco MV Maple Dieboard results in a very flat and easily reknifable board. The low moisture content provides optimum stability and its appealing price point makes this board an ideal choice for any application.

- ▶ Thicknesses from 1/4" to 1"
- ▶ Appealing price point
- ▶ No Coating



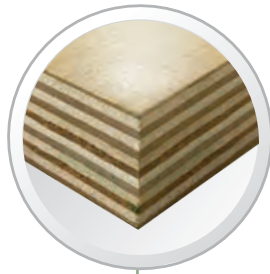
PREMIUM BIRCH DIEBOARDS



LaserPLY™ Advantage Premium Birch

LaserPLY Advantage is a very flat dieboard constructed of a superior grade of birch veneer. It features the industry's tightest thickness tolerance of +/-0.2mm.

- ▶ Thicknesses from ¼" to ¾"
- ▶ Tightest thickness tolerances at +/- 0.2mm
- ▶ Virtually void-free cores for laser consistency
- ▶ Superior packaging: Integral runners prevent fork damage to bottom sheets



UV Coated LaserPLY™ Advantage Premium Birch

UV Coated LaserPLY Advantage is ideal for tooling matched with steel counterplates. The clear UV Coating seals dieboard surfaces to mitigate moisture migration out of the panel. This board offers the ultimate in flatness and stability.

- ▶ Tightest thickness tolerances at +/-0.2mm
- ▶ Virtually void-free cores for laser consistency
- ▶ UV Coating stabilizes cutting dies matched with steel counterplates
- ▶ Excellent for lower stripping boards



Freeman Premium Birch

Freeman's Birch is imported from the finest mills to offer a true dieboard grade of laser-quality birch. From cutting dies to stripping and blanking tools, this board is ready for a variety of applications at a great value.

- ▶ Thicknesses from 3mm to 1"
- ▶ Widest variety of sheet lengths up to 60" x 96"
- ▶ Best value in Birch Dieboard
- ▶ Uniform veneer construction for laser consistency



UV Coated Freeman Premium Birch

Freeman's UV Coated Premium Birch is ideal for tooling matched with steel counterplates. Two coats of UV polymer seal out moisture and stabilize the panel. It provides a completely sealed, smooth hard surface.

- ▶ Ideal for tooling matched with steel counterplates
- ▶ Two coats of UV polymer stabilize the cutting die
- ▶ Widest variety of sheet lengths up to 60" x 96"
- ▶ Smooth finish great for lower stripping boards

COMPOSITE DIEBOARDS

ProForm™ Composite Diebase

ProForm is an epoxy/paper composite diebase developed to offer diemakers superior stability, strength, flatness, and thickness tolerance. It is stronger, flatter and more stable than plywood.

It is highly moisture resistant, as well as heat resistant for thermal die applications. ProForm is CNC machinable and is easily processed on a laser. It offers very consistent kerf across the entire sheet when compared to other epoxy composites on the market.

- ▶ Thicknesses from 1/16" to 1"
- ▶ Special thicknesses available upon request
- ▶ Consistent laser cutting across the sheet
- ▶ Temperature tested to 400°F – great for thermal dies diecutting plastics
- ▶ Ideal for multiple reknifing and extremely long run tooling
- ▶ Suitable for wet environments

TruForm™ Composite Diebase

Freeman's new TruForm is constructed of polyester resin and cellulose fibre. It was developed to offer diemakers and converters a more laser-friendly alternative to the commonly used gray composite board.

TruForm laser cuts with great consistency, has excellent bridge strength, and a much better grab on the steel rule. Ideal for multiple re-knives, thermal dies, steel counter dies, and all your toughest diecutting applications.

- ▶ Superior rule holding ability
- ▶ Economical alternative to Epoxy Composites
- ▶ Laser cuts extremely well
- ▶ Temperature tested to 400°F – great for thermal dies diecutting plastics
- ▶ Sealed surface with matte gray finish easily accepts die ejection adhesives
- ▶ Not suitable for wet environments

Freeman Lightweight Composite Diebase

Freeman's laser-compatible components are used to create a 3-ply lightweight completely stable steel rule die. Sold separately, the sheets of Freeman Laser-G10 and RenShape 31 lb. foam are laser compatible for fast easy assembly.

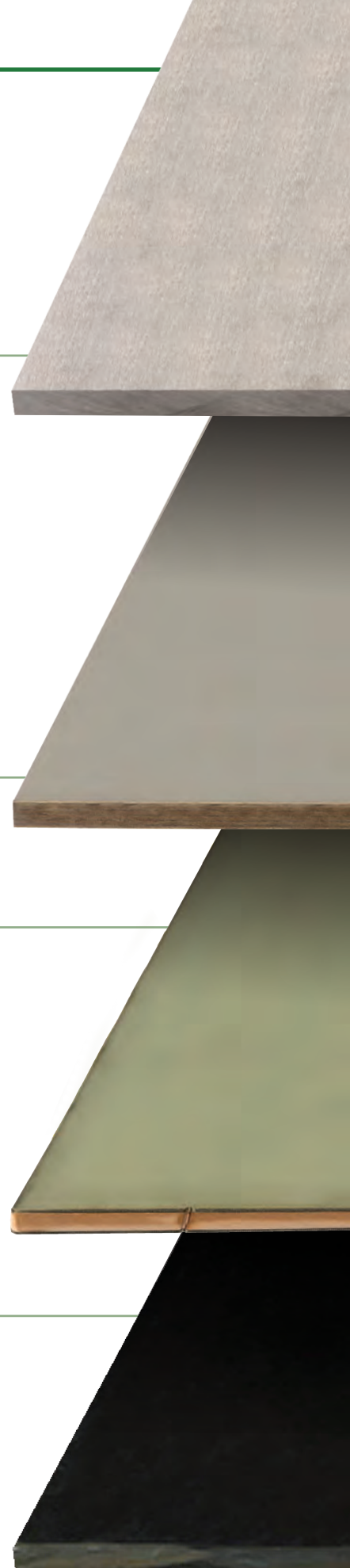
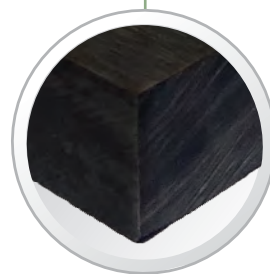
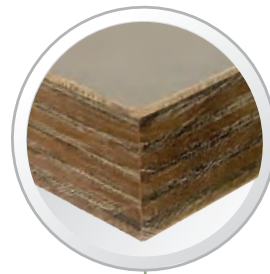
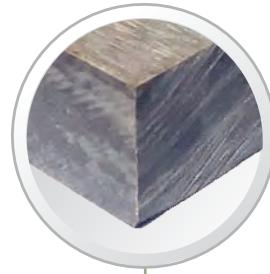
The finished die is completely stable and very lightweight – a highly desirable trait among Bobst press operators and safety-minded managers. Pair it with our stainless steel thin plates for an unbeatable combination.

- ▶ **SKU #085872:** 1/4" thick x 48" x 96" HD Urethane Foam
- ▶ **SKU #075864S:** 1/2" thick x 48" x 96" HD Urethane Foam
- ▶ **SKU #081984:** 0.062" thick x 48" x 72" Laser G10 Laminate

Marco Black Board

Marco Black Board is a phenolic/paper solid composite and is machinable and stable. It is not laser-friendly, but it is an excellent material for use as mounting blocks underneath embossing and debossing.

- ▶ **Thickness:** 5/8"
- ▶ **Width:** 48"
- ▶ **Length:** 72"
- ▶ **Other Thicknesses Available**



FREEMAN LOCATIONS

Branch Locations and Public Warehouses

Freeman has strategically placed satellite locations across North America with customer service representatives ready to help. Thousands of products are stocked at these locations as well as public warehouses to reduce your shipping costs.

Strategic & Effective Stocking

Freeman's inventory staff constantly monitors sales and stocking data across the country to properly provide the right amount of products at each location.

Worldwide Shipping

Freeman ships orders all across the globe and has various international distributors available to supply customers with top-quality products.



OHIO (HEADQUARTERS)

1101 Moore Road
Avon, OH 44011
TEL 800-321-8511
TEL 440-934-1902
FAX 440-934-7200

ILLINOIS

727 N. Larch Avenue
Elmhurst, IL 60126
TEL 800-628-6971
FAX 440-934-7200

ONTARIO

3600B Laird Road Unit 8
Mississauga, ON L5L 6A7
TEL 800-345-9259
FAX 586-774-1019

QUEBEC

3475 boul Pitfield
Montreal, QC H4S 1H3
TEL 800-263-7699
TEL 514-335-3530
FAX 514-335-3225

CALIFORNIA

5525 S. Soto St.
Vernon, CA 90058
TEL 800-325-2100
FAX 440-934-7200

KENTUCKY

917 Landis Lane
Mt. Washington, KY 40047
TEL 502-955-5535
FAX 440-934-7200

OREGON

15745 N. Lombard St., Ste. 100
Portland, OR 97203
TEL 800-558-0866
FAX 262-789-5407

TEXAS

3152 S.E. Loop 820
Fort Worth, TX 76140
TEL 800-792-1047
TEL 817-551-7301
FAX 817-568-0908

GEORGIA

5060 N. Royal Atlanta Dr. Ste. 6
Tucker, GA 30084
TEL 770-493-4131
FAX 440-934-7200

KANSAS

5755 S. Hoover Road Bldg. #5
Wichita, KS 67215
TEL 800-792-1047
FAX 817-568-0908

NORTH CAROLINA

101 Bailey Street
Mocksville, NC 27028
TEL 800-321-8511
FAX 440-934-7200

WISCONSIN

4921 South 2nd St.
Milwaukee, WI 53207
TEL 800-558-0866
TEL 262-789-9800
FAX 262-789-5407

MICHIGAN

27655 Groesbeck Highway
Roseville, MI 48066
TEL 800-345-9259
TEL 586-774-1210
FAX 586-774-1019

PENNSYLVANIA

203 Enterprise Rd.
Lititz, PA 17543
TEL 800-631-4230
TEL 717-653-5300
FAX 717-653-7372

TERMS & CONDITIONS

Returned Goods

To save transportation charges, and facilitate handling of merchandise upon our receipt, we request that no merchandise be returned without prior written authorization.

Damaged Goods

Merchandise given to a transportation firm is their responsibility to deliver in satisfactory condition. If merchandise is delivered damaged, the customer should note as such on freight bill and file a claim with the delivering carrier. Regulations require that hidden damage, identified upon unpacking, must be reported within ten (10) days of delivery in order to file a proper claim.

Liability/Warranty Statement

Our products are intended for sale to industrial and commercial customers. We request that customers inspect and test our products before use and satisfy themselves as to contents and suitability. Nothing herein shall constitute a warranty, expressed or implied, including any warranty or merchantability or fitness, nor is protection from any law of patent to be inferred. All patent rights are reserved. The exclusive remedy for all proven claims is replacement of our materials and in no event shall we be liable for special, incidental, or consequential damages.

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