

THE INDUSTRIAL
ADHESIVE
THAT CAN
BOND
PRACTICALLY
ANYTHING



ADVANTAGE

LAMINATING SYSTEM



(800) 433-0730
hmtmfg.com

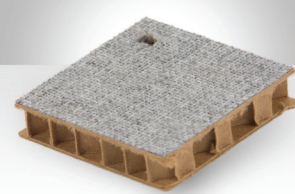
LAMINATE ^{UP TO} 10X FASTER, ^{UP TO} 50% LESS COST



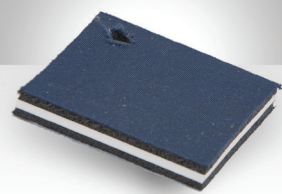
Vertical Grade Laminate bonded to Particleboard



Carpet bonded to Marine Grade Plywood



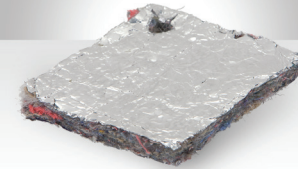
Burlap Fabric bonded to Cardboard Honeycomb



Fabric bonded to Rubber bonded to PVC Board



Scrub Pad bonded to Sponge



Acoustic Insulation Felt bonded to Aluminum Foil



Fiberglass Scrim bonded to Ceramic Foam



Luan bonded to Polyethylene Honeycomb



Pinboard Fabric bonded to Wheatboard bonded to Cork



WHAT IS IT?

Hot melt adhesive film is similar to the material used in glue guns but cast in the form of a thin, flexible fabric. It's easy to handle — it can be held in your hand and won't stick to you despite the fact there is no liner paper to be peeled off before use.

ZERO CURE TIME REQUIRED

HMT hot melt adhesive films are quick setting. In fact, **curing is 80% complete within seconds** and bonded materials can be used immediately. Instead of waiting hours or days for adhesive to cure, laminated output can be cut, drilled, or otherwise finished right away. This unique benefit is possible because our adhesives are waterless. Water-based adhesives require time and space to cure and must sit for an extended period of time until dry. In some cases, dryers are employed to expedite the curing process. Dryers cost money. Running the dryers costs money. Square footage costs money. And, time costs money. All of **those costs are eliminated when using HMT's Advantage hot melt film adhesive.**

GLUE VIRTUALLY ANYTHING

Bond challenging combinations of materials including wood, fabric, paper, metal, sponge, leather, plastic, carpet, foam, rubber, vinyl, screen, felt, veneer, natural products, foil, and more.

SUPERIOR STRENGTH

We regularly conduct destructive testing on a variety of laminate surfaces and substrates. In most cases, **the bond is stronger than the materials.** This picture shows the result of a bond strength test in which HPL was bonded to particleboard and then delaminated. Notice particleboard fibers remain adhered to the back of the laminate.



The bond remains intact after the substrate material's integrity failed. Delamination tests show our hot melt adhesive film having 125-150 psi plug-pull strength for particleboard bonded to HPL. Bond strength can vary depending on the materials being bonded.

CONSISTENT, EVEN APPLICATION

Adhesive film applies evenly, consistently, in a thin layer, with **100% uniform bond coverage.** The thin application means less waste, lower adhesive costs, and improved fidelity. Output is very smooth with no pooling, no gapping, no voids. You can't get that consistency with spray adhesives! (Uneven adhesive coverage is the leading cause of bond failure.)

REMAINS FLEXIBLE

Hot melt adhesive film is a smart alternative to white glues and liquid hot melt glues that, when cured, become rigid. Our adhesive remains flexible and is **ideal for bonding flexible materials** such as fabric, carpet, paper, fiberglass, leather, etc. Our adhesive does not migrate through porous materials, either.

BOND DELICATE MATERIALS

Our adhesive film is activated by exposing it to a brief, intense infrared heat source in HMT laminating equipment. The heat melts the adhesive film moments before being applied to your laminate and substrate. **Your materials are never exposed to the infrared heat** which means our adhesive can bond delicate materials such as paper, fabric, plastics without distortion.

NON-STOP PRODUCTION

Continuous fusing allows non-stop production. Our rolls of adhesive are 500' long and can be spliced together, allowing unlimited lengths and output. Our machines are also used for smaller, on-demand production levels as needed.



ROLL FEED OPTION

With HMT's Advantage Laminating System, **you have the option of feeding flexible rolled material** for high volume adhesion to substrates. Our roll stock feed attachment allows roll lamination of flexible materials like fabric, paper, melamine, veneers, screen, leather, foil, wall covering, etc.

RELIABLE QUALITY

Our adhesive film's uniform thickness **guarantees consistent area coverage.** No voids or hollows under your laminate material. No excess spray or spills in your facility. The perfect amount of adhesive is applied throughout the bonded area, evenly, consistently. No waste, no mess, and no quality defects. The consistent output further increases productivity by reducing the time and materials devoted to replacing laminated materials that fail QC inspection.

HEALTHIER

Do you know what's in your adhesive? Solvents, toxins, and VOC's cause health problems. They produce invisible air particles that cause reproductive issues, lung damage, neurological damage, headaches, genetic damage causing developmental & cognitive retardation, short-term memory loss, red blood cell damage, nausea, decreases in reaction time, fatigue, and additional medical issues. **HMT adhesives contain no solvents, no toxins, no VOC's.** With HMT's hot melt adhesive, you:

- don't need respirator masks
- eliminate the need for vapor-proof lighting
- don't need exhaust fans
- get rid of noxious odors
- do not need a spray booth
- create a healthier work environment
- reduce insurance costs (no VOC's)

CLEANER

HMT's hot melt adhesive film will be **the easiest and most efficient adhesive you'll work with.** Unlike other glues, hot melt adhesive film does not produce overspray and is not a liquid. There is no waste on your walls, tables, or floors to clean up. Our adhesive eliminates the need to clean hoses, spray guns, manifolds, nozzles, filters, and flushing the entire system.



HOW IT WORKS

HMT's Advantage Laminating System can glue virtually anything: wood, laminates, veneers, metal, paper, foam, cork, fabric, plastics, rubber, paper, foils, fiberglass, leather, gypsum, natural products, and carpet.

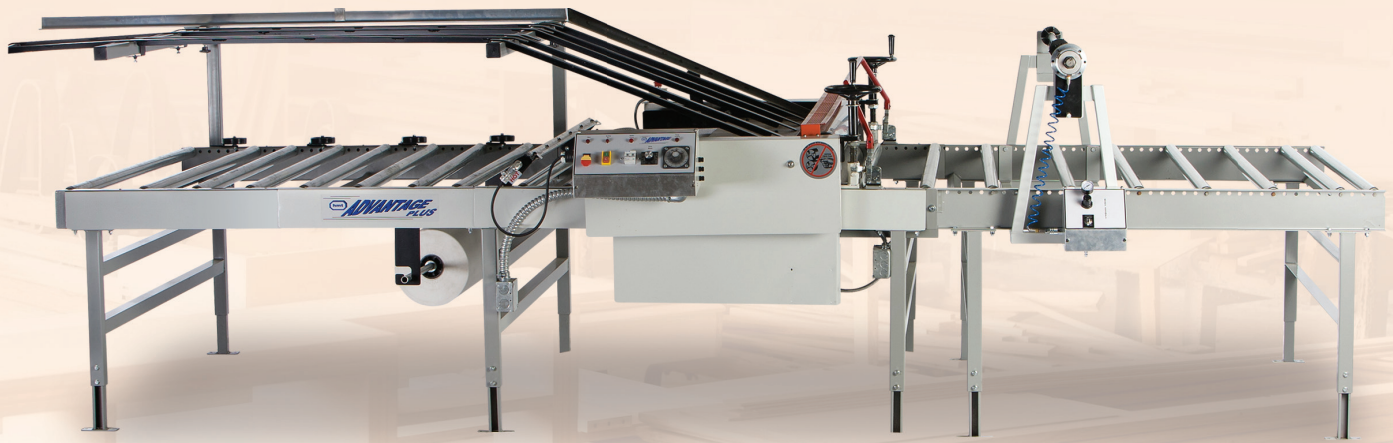
It uses hot melt adhesive film. Simply place the film over your substrate, load your laminate material, and let the machine do the work.

Infrared heat melts the adhesive film moments before bonding your laminate and substrate. Rollers apply even pressure, providing a reliable, strong bond. You'll be able to handle, cut, drill, and fabricate the laminated output immediately. Zero cure time required!

By letting you laminate almost anything up to 10 times faster, with up to 50% less cost, the Advantage Laminating System can put more money in your pocket.

Seeing is believing. Let us run samples of your material through the Advantage Laminating System. You'll be able to inspect the bond quality, feel the finished product, and see for yourself why HMT's Advantage Laminating System could be the smartest investment you make.

watch the demo video at
hmtmfg.com



NO MORE WAITING FOR GLUE TO DRY, NO MORE CLEAN UP, NO MORE UNEVEN ADHESIVE APPLICATIONS

The Advantage Laminating System feeds a substrate and our eco-friendly hot melt adhesive film under infrared heat; laminate is then joined using compression rolls for a finished, ready-to-use panel. It includes multiple safety features and requires little floor space. And the best part? Your laminated output is ready for immediate use.

Seeing is believing. Let us run samples of your material through the Advantage Laminating System. You'll be able to inspect the bond quality, feel the finished product, and see for yourself why HMT's Advantage Laminating System could be the smartest investment you make.

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AMERICAN MADE WITH RENEWABLE ENERGY

Our machines and adhesives are manufactured and assembled in the USA. Our facility is powered by solar panels and a wind turbine.



EASY INSTALLATION

Customers can easily install their Advantage Laminating System. Each Laminator includes an installation DVD loaded with step-by-step setup instructions. And, free technical support is a phone call away at (800) 433-0730.

ADHESIVE SPECIFICATIONS

HMT's Advantage hot melt adhesive film is shipped in 500' rolls cut to any width up to 65 inches. It is 6-7 mil in raw form and 2-3 mil thick when applied, melted, and compressed. Cost is about 14¢/sf. Our fusible webs feature heavy film thickness (7.5 to 8.0 grams/sf), a unique non-shrink web design, and non solubility.

NO MESS, NO WAIT

Advantage systems are easy to use and produce ready-to-use laminated output. No waiting for drying. No messy white glue, sprays, or contact cement. No dripping, no overspray. No clean up required!

THE ADHESIVE AUTHORITY SINCE 1972

HMT Manufacturing has been solving adhesive challenges since 1972. Our products are found in the world's largest retailers, mom-and-pop woodworking shops, and mid-sized manufacturing facilities worldwide. Simply put, HMT can help you adhere anything. We invented a hot melt adhesive film that is non-toxic, non-shrinking, and high performance. We also developed laminating equipment that helps companies decrease costs, improve quality, and increase efficiency. And, we build custom laminating equipment and solutions on demand.

18-07



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