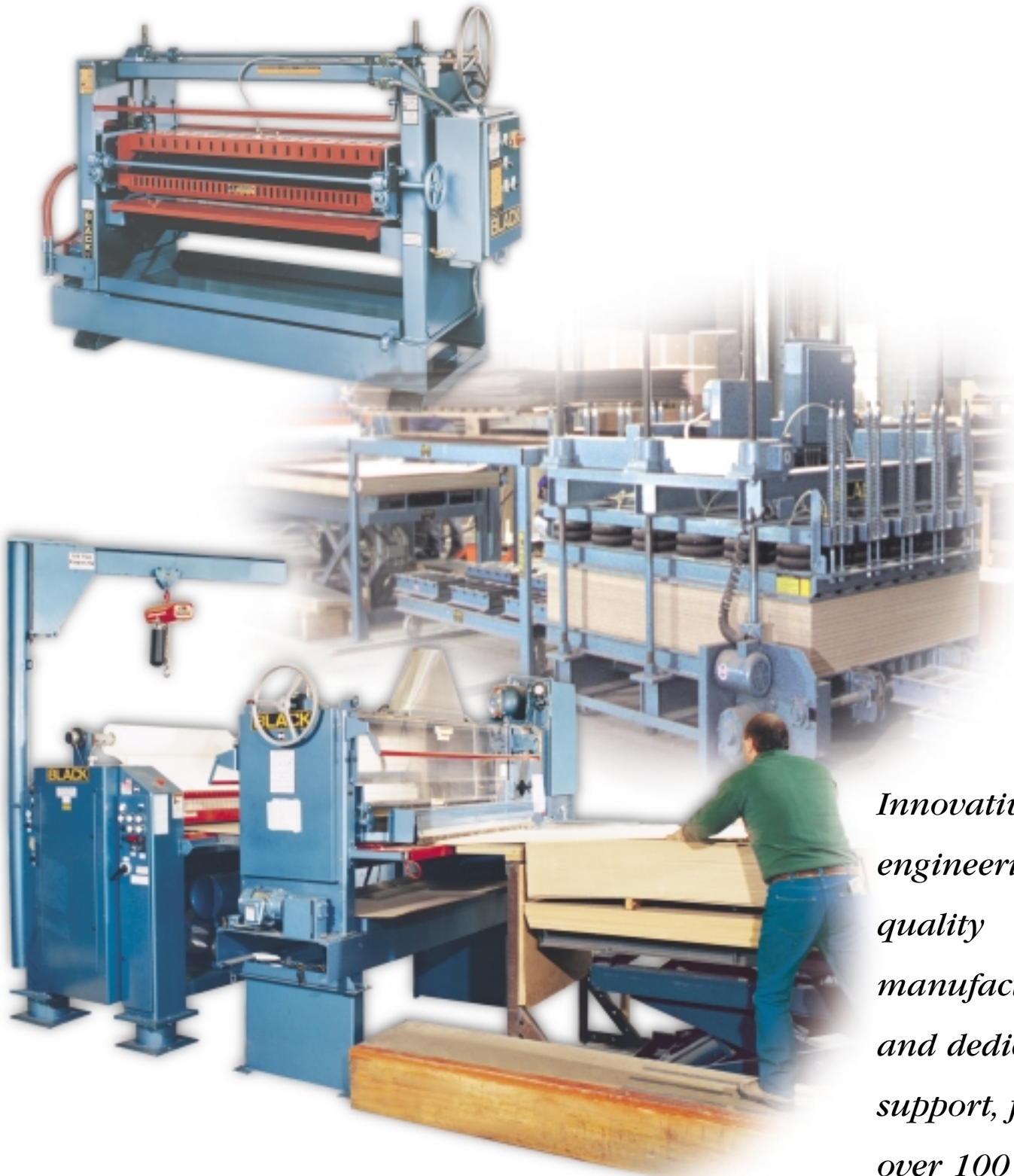




Product Overview



*Innovative
engineering,
quality
manufacturing
and dedicated
support, for
over 100 years.*

*Black Bros. equipment
can be found worldwide,
working in a variety of
industries:*



Furniture and Wood — Gluing and laminating panel stock, HPL to particle-board for table tops and cabinet parts; finishing doors, wall and furniture panels



Home — Laminating decorative paper or vinyl for kitchen cabinets; gluing and laminating hollow and solid core doors; laminating facing to carpet padding; gluing facing material to fiberglass insulation; making structural insulated building panels and insulated garage door panels



RV/Mobile Homes — Gluing and pressing wall and roof panels, interior cabinetry, and cargo compartment doors



Automotive/Truck — Applying drawing lubricants to body panels, frame members and bumper stock; making headliners; laminating visors; coating trunk components; laminating rear doors for truck trailers



Marine — Laminating vinyl to steel for bulkheads and storage compartments; coating balsa components for fiberglass hulls; making hatch covers



Aircraft and Aerospace — Laminating a variety of honeycomb core panels used for bulkhead and floor components; applying liquid resins to composites

~ founders ~



Black Bros. has developed an international reputation for innovative engineering, quality manufacturing and dedicated support.

For over 100 years, the Black Bros. emblem has proudly identified our equipment as the finest available. Our machines are known for their high productivity and extreme durability. That's why we have customers who have relied on Black Bros. products for several generations.

Today, Black Bros. continues to provide manufacturers worldwide with the highest quality coating, gluing and laminating equipment. Whether you are interested in single machines or complete systems, Black Bros. has the experience and technology to build outstanding equipment that is designed and tested to meet your exact needs.



**Original 1902
Mendota Plant**



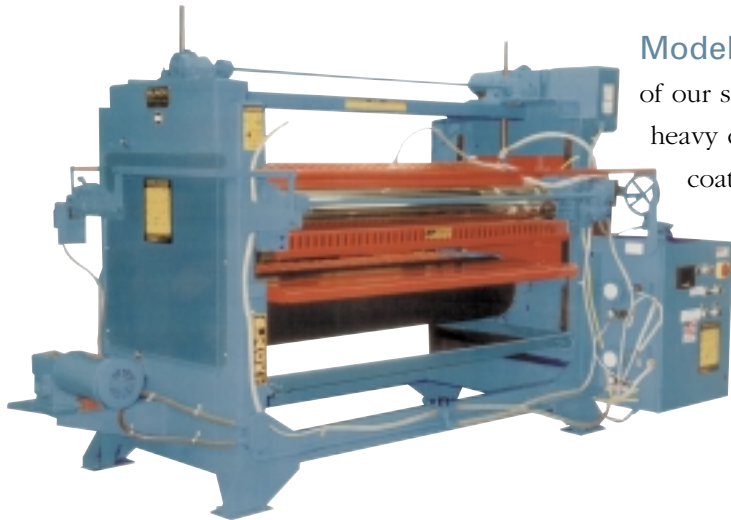
As products have evolved over the past century into a wide array of synthetics and processed wood products, Black Bros. has been there. We have led the way in developing processes and machines that manufacture so many of the products we build our lives upon. We offer over 100 different models of equipment for spreading adhesive, coating and finishing, laminating, and material handling. We also build an assortment of support machines such as glue mixers, panel cleaners, and film cutters. Black Bros. machines can be found around the world, working in factories that manufacture products used in a dozen different industries that make life what it is today.



Gluing, Coating & Finishing

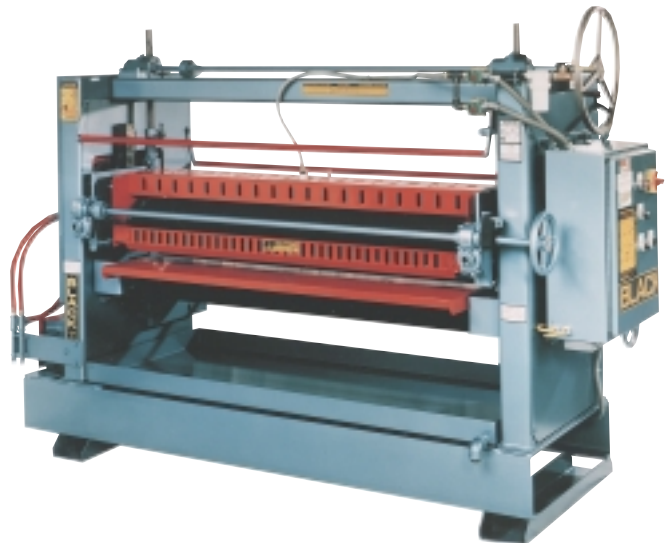
Black Bros. roll coaters and adhesive spreaders are readily adjustable to consistently apply a uniform thickness of coating materials and adhesives that meet suppliers' recommendations.

3



Model 22-D and its predecessors have been the mainstay of our spreading and coating line for more than 50 years. This heavy duty performer easily adjusts for substrate sizes and coating thicknesses. The 22-D reduces material costs by precisely controlling coating thickness to minimize material waste. Uniform coverage means higher productivity, optimum quality, and minimal scrap.

Model 775 provides a compact, efficient, and economical approach to adhesive spreading for standard size materials. Designed with ease of maintenance in mind, the Model 775 will provide you with exceptional reliability, consistency, quality, and long life.

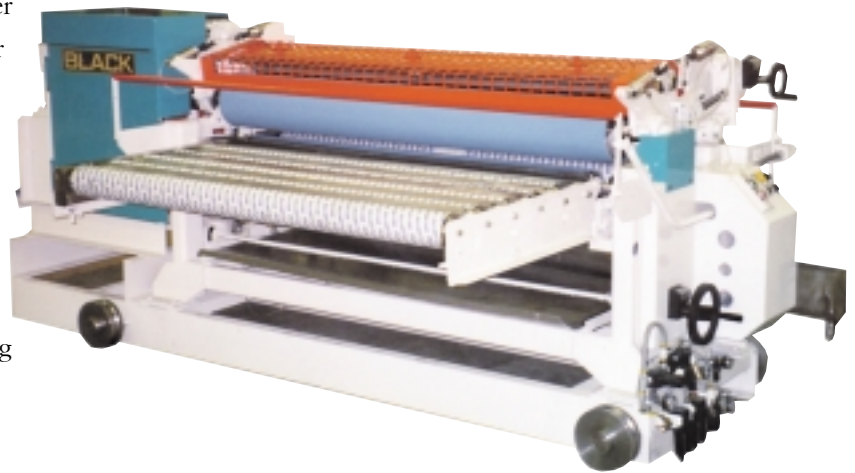


Model 300 incorporates the latest design improvements for operating convenience, compactness, and coating accuracy. Our open-top frame design and air lift simplify and speed operating adjustments and roll changing. Options include oscillating doctor roll scraper, large diameter print roll, inboard drive, and many other features available on other roll coaters.

Model 440 is a larger, heavier-duty version of the Model 300, incorporating many of the same features. Larger diameter coating and doctor rolls, heavier outboard drives and bearings, and wider faced gears make it well suited for high-speed, multiple shift operations for wider materials.

Differential Direct Roll Coater (DDRC)

is a highly versatile, advanced design roll coater featuring independent variable speed drives for the coating roll, direct or reverse rotating doctor roll, and conveyor belt. The DDRC is ideal for applying UV curable coatings, and for applications of solvent and water-borne coatings including stains, tints, colors, and protective coats onto wood, metal, plastics, aluminum, and more. It is capable of producing extremely smooth finishes with light to heavy viscosity materials.



Hot Melt Spreader is built to handle the increasing market demands for conventional and reactive hot melt moisture-cured polyurethane (RHM/PUR) adhesive application. The Hot Melt 775 Adhesive Spreader was designed with drive components and heat connections on opposite ends, easier roll access and roll change, clear plastic shields, and exhaust hoods for vapor control. Standard units are available for single top, top and bottom, and the combination unit for 4-ply construction using a swing-away coating station.

Model 222 Reverse Roll Filler offers maximum flexibility in applying solvent or water base fillers, lacquers, alkyd and vinyl base, 100% solids UV curable, and other similar filling materials, accurately and uniformly. The Model 222 precisely controls filler thickness from ultra-thin skim coats to complete surface coverage.

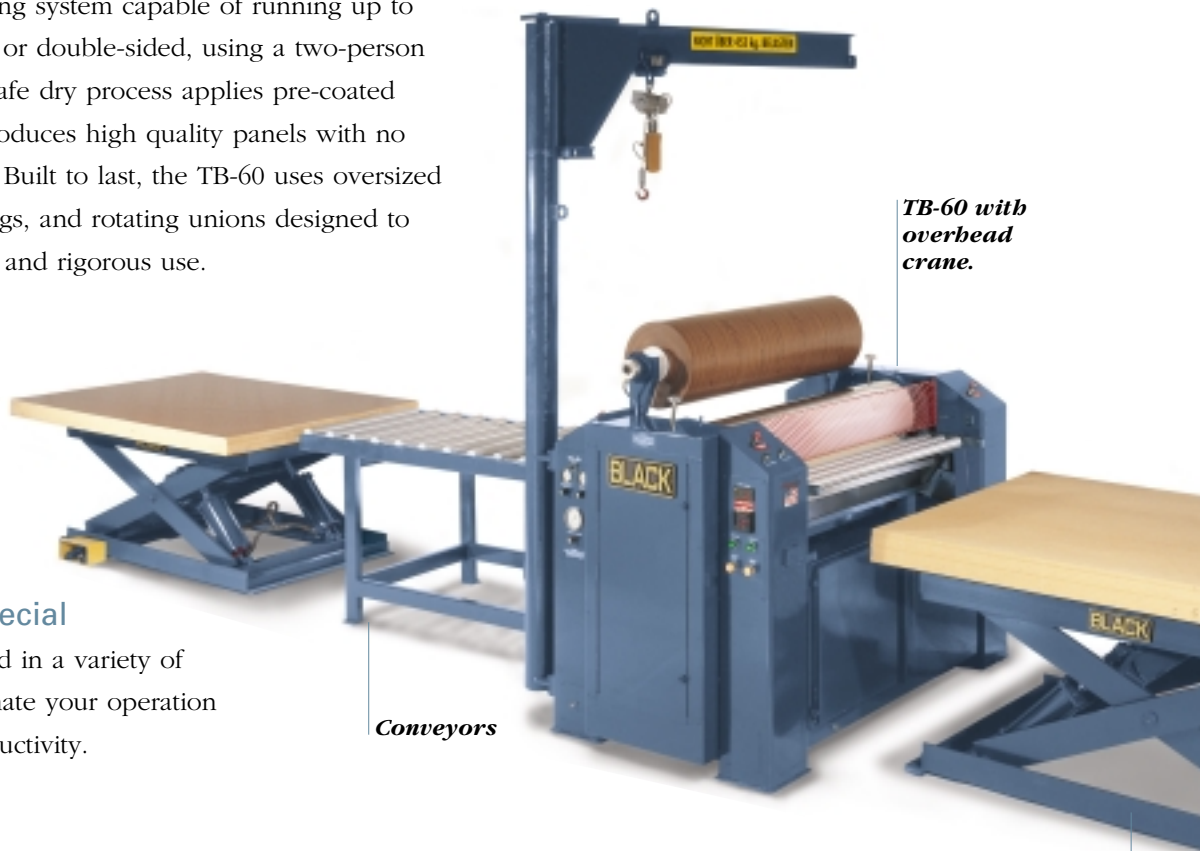
Laminating Machines

Black Bros. offers a full line of laminating equipment including hot roll presses, rotary presses, and air operated platen presses. These machines and processes are ideally matched to laminate an endless variety of coatings and materials together for beauty, protection, or strength.

5

TB-60 is a hot roll laminating system capable of running up to 300 boards per hour, single- or double-sided, using a two-person crew. The environmentally-safe dry process applies pre-coated decorative foils/papers. It produces high quality panels with no grain raise and no clean up. Built to last, the TB-60 uses oversized sprockets, main roller bearings, and rotating unions designed to withstand high temperatures and rigorous use.

Conveyors, Transfer Carts, Laminate Staging Racks and Special Lay-up Tables are offered in a variety of configurations to help automate your operation and maximize machine productivity.



Conveyors

TB-60 with overhead crane.

Scissors Lift

Scissors Lifts from Black Bros. are available as part of a complete system package. These lifts are properly specified to be compatible with the other components in your operation and handle the loads required.

Platen Laminating Presses are available in a variety of pressure ratings based on application. Air Pod and Power Pod Presses are used for such processes as laminating insulated building panels, low density or honeycomb core panels, HPL to particleboard, or MDF for countertops, work surfaces and computer furniture, solid core doors, veneered panels, and steel skin panels. A variety of options are available to suit your operation.



Material Processing & Handling

To fulfill your need for more automation to speed process times, Black Bros. offers material handling options such as a pneumatic panel feeder, laminate indexing station and scissors lifts.



Panel Cleaners ensure that both sides of the substrate are free of dust and embedded chips prior to gluing or coating. This maintains a consistent, high-quality bond, and reduces scrap in your laminating, finishing, or veneering operations.

Laminate Indexing Station

makes easy work out of handling heavy stock glued on both surfaces. Two models are available. One is for stack laminating and includes a scissors lift for cold press applications. The second version consists of a belt conveyor to use for continuous, one-at-a-time operation such as a hot press. Manpower needs are reduced from two or three to just one. Quality is consistent, and laminations are cleaner.



Rotary Laminating Presses from Black Bros. come in five standard model configurations for laminating high-pressure plastics, veneers, metal skins, continuous films, and heat reactive and pressure sensitive films to substrates such as particleboard, plywood, rigid or flexible foam, honeycomb, and others. Machines can be customized to your specific application.



Pneumatic Panel Feeder boosts efficiency and productivity while reducing costs. No longer do you need an operator to manually feed stock from a scissors lift into the first machine on your line. Customized versions of our feeder can be engineered to meet a customer's special needs.

Corporate Headquarters
BLACK BROS. CO.
501 Ninth Avenue
P.O. Box 410
Mendota, IL 61342-0410
Phone: 815.539.7451
Fax: 815.538.2451
URL: <http://www.blackbros.com>
E-mail: info@blackbros.com

Southeast
BLACK BROS. CO.
SOUTHEAST DIVISION
1315 Baker Road
P.O. Box 4226
High Point, NC 27263-4226
Phone: 336.431.9145
Fax: 336.431.9275

Midwest
BLACK BROS. CO.
MIDWEST DIVISION
1420 West Armstrong Dr.
(46580)
P.O. Box 1014
Warsaw, IN 46581-1014
Phone: 219.269.4630
Fax: 219.269.5291

BLACK BROS. CO.
Cedar Hills, TX 75106
Phone: 800.532.61559
Phone: 241.244.8394
Fax: 972.293.1618

Support Services

Black Bros. is more than a machinery manufacturer. Our success and reputation were built on our ability to understand our customers' needs, provide highly profitable equipment and process solutions, and to stand behind our products. That covers a full-range of pre-sale and after-sale support services that add real value to the Black Bros. name.



Testing & Demonstration Laboratory —

At Black Bros., we rely on our state-of-the-art R&D laboratory to test and develop laminating and finishing processes for our customers. Pre-testing equipment and materials is critical for achieving success in your manufacturing operation. Our lab is equipped with a complete assortment of machines and setups to handle any job. Test results help determine the specific equipment specifications you need, the process that works best, and the materials you should use. These demonstrations are designed and performed cooperatively with customer and supplier input. Part of the Black Bros. value-added approach is to provide our customers with a careful review of their technical objectives, specifications, and even training requirements, to help you make intelligent purchasing decisions.

Start-up Training —

Each new machine purchase includes complete equipment instruction manuals. On some equipment, start-up and operator training programs are also part of the machine sale. We offer an additional curriculum of seminars and workshops to customer supervisors, operators, and maintenance personnel. Proper training maximizes your production, quality, and profit.

After-sale Support — Keeping your Black Bros. equipment in top running condition is the focus of our factory assistance programs, such as preventive maintenance and field repair, machine upgrade/rebuild packages, parts availability and same-day shipments, parts exchange programs, roll reconditioning and more. When you own Black Bros. equipment, you can be certain that you have the finest machinery and support available in the world.