



BRADY
Coated Products

Custom Coating Services

Material

*The framework -
of every product.*

Process

*The discipline -
in everything we
make.*

Quality

*The core -
of everything we do.*

Technology

*The equipment -
a state of the art
foundation for our
products*



Custom Coating Services

Brady Worldwide has been manufacturing high-quality coated films for nearly fifty years. Used exclusively by internal Brady operations for industrial identification products and specialty tapes until the mid 1980's, Brady Coated Products is now a leading supplier of coated materials for companies world-wide.

Applying adhesives, topcoats, cast films, and other coatings onto a wide range of substrates, Brady creates diverse products to tight specifications. Brady provides custom coating and converting services to many industries: medical, electronics, graphic arts, aerospace, and automotive. Pressure sensitive and cast films are coated for various specialized applications. Customers include many Fortune 100 companies.

Brady remains on the forefront of the coating industry. Breadth of experience, state of the art coating equipment, and an ISO certified quality system combine to make Brady Coated Products the best choice as your coating supplier. Brady Coated Products is an extension of your own manufacturing capacity.

Manufacturing Capabilities

Brady Coated Product's custom coating services center around three basic manufacturing capabilities: Compounding, Coating and Converting.

Coatings are measured, mixed, dispersed, and dissolved in batches for primers, topcoats and adhesives in the compounding facility. Batch sizes range from development to production quantities.

Coating methods include slot die, gravure, wire wound rod and reverse roll. A variety of web widths, drying profiles, solvents, coatings, and webs enable Brady to manufacture unique products. Experience in coating a wide range of substrates has resulted in an outstanding record of responsive product development.

Converting capabilities allow handling of coated materials up to 63 inches wide and slitting accurately to narrower finished roll widths.

Embossing, perforating and laminating add to flexibility in product design.

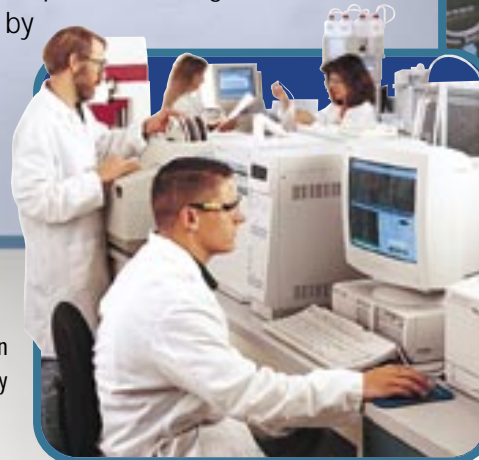
In 1998, construction of Brady's second "white room" coater was completed. This 62 inch wide coater with 300 fpm line-speed capability is designed for application, drying, and curing of both solvent and aqueous coatings.

Cleanliness is maintained by utilizing class 1000 conditioned air.



*ABS OE #30120

Product development in laboratory



Mixing and compounding



Quality Philosophy

Brady's customers depend on a supply of consistent quality products. Coated Products provides total customer satisfaction, offering the highest quality products and services at the most economical cost. Brady Coated Products consistently strives to exceed customers' expectations through a strategy of 100% employee participation and commitment, continuous improvement and total quality assurance. This commitment, is verified by ISO 9002 certification (ABS QE #30120).

Technical Support

Brady's process chemists and engineers participate in product development, scale-up and optimization throughout the life cycle of products produced at Coated Products. To further aid in the development of your products Brady utilizes its 39,000 square foot R&D center, attached via a walkway to the Coated Products facility.



Slitting finished rolls



Above:
Precision coating
with removable
coating cartridge



Mixing and compounding



Loading a "quick-change" coating head



"White room" coating operations



The R&D center includes a wide array of both chemical and mechanical test equipment and instruments, as well as extensive aging and environmental exposure facilities. A 12" wide pilot coater is available for cost effective research and development prior to production scale-up. Leading manufacturers using coated materials look to Brady Coated Products as their coating expert - from concept through production.



"White room" coating operations



Slot die coating

Above:
State-of-the-art
web handling

Full Range Capability

Coating Methods

- Slot Die
- Reverse Roll
- Mayer Rod
- Gravure

Typical Substrates

- Films
 - Polyester
 - Polyethylene
 - Polypropylene
 - Polyimide
 - Vinyl
- Foils
 - Aluminum
 - Copper
 - Steel
- Others
 - Release films
 - Release papers
 - Paper
 - Non-wovens
 - Cloth

Typical Coatings (Solvent Based and Water Based)

- Acrylics
- Polyesters
- Polyimides
- Polyurethanes
- Epoxies
- Rubber
- Pressure sensitive adhesives
- Primers
- Conductive
- Antistatic
- Printable topcoats

Typical Solvents

- Aliphatic
 - Hexane
 - Mineral spirits
- Aromatics
 - Toluene
- Alcohols
 - Methanol
 - Ethanol
 - Isopropanol
- Glycols
 - Propylene
 - Ethylene
- Esters
 - Ethyl acetate
- Ketones
 - MEK
 - MIBK
- Water
- Others
 - NMP
 - DMF
 - Nitroethane

... Plus Many More



White Room Coating

Two recent additions (1992 and 1998 installations) to Brady's wide web (60" to 63") capability are designed and operated as "white room" coaters to allow the manufacture of exceptionally clean products. "White room" quality is achieved by implementing the following design and operational features:

- HEPA filtered room and oven air
- Contact and not-contact web cleaners
- Cleanroom attire
- Segregated packaging and cleanup areas
- Good cleanliness practices

The newest "white room" coater, uses Class 1000 conditioned air in the coating room, ovens, and unwind/rewind rooms. This new 300 fpm coater, with a 115' long oven, is used to make clean products for medical, electronics, automotive, graphic arts, product identification and many other applications.

Environmental Consciousness

A high level of environmental control enables Brady Coated Products to run a full range of coatings, from aqueous to solvent based coatings.

Environmental control systems capture 100% of emissions from the coating process. Fume incinerators destroy 95% to 99.95% of the pollutants.

Brady sets the standard of air pollution control for the pressure-sensitive tape manufacturing industry.



Custom Coating and Converting

Brady Coated Products operates its 120,000-square-foot facility in Milwaukee, WI. The environmentally controlled production facility and warehouse adjacent to Brady's R&D center is equipped with such innovative production features as in-process thickness measurement and data acquisition of process parameters. Diverse capabilities have been developed such as the ability to print and coat in a single pass.

Skilled employees utilize state-of-the-art equipment, facilities, and systems to produce the highest quality coated materials. Services and products are quickly and easily customized for your applications - from design through production.

You can count on Brady's innovation and experience to provide the best solutions and greatest value as your coating company.

www.coatedproducts.com

Call us with your coating needs
1-800-662-1191
In Milwaukee (414) 228-5953
Fax: (414) 228-5998



Brady Worldwide, Inc.
Coated Products
P.O. Box 298
2230 West Florist Avenue
Milwaukee, WI 53201-0298