

# Manufacturing Capabilities

Monadnock designs and produces technical/specialty papers and boards for a wide range of converting, printing and packaging applications. Each is made with the environment in mind.

Monadnock customizes products to meet individual client specifications. In addition to custom fiber furnishes, ranging from wood pulp to cotton to synthetics, many technical grades are treated with special additives, including a wide variety of polymers used for saturating and coating. Below is a sampling of our products:

## Applications and Capabilities

- Uncoated thermal transfer tag and ticket
- Folding box board with high Post-Consumer Recycled content
- Durable cover stocks for cased-in and self-supported covers and folders featuring high tear, tensile and elongation as well as excellent printability
- Environmentally preferable, durable substitutes for plastics and vinyls (indoor/outdoor tag and label, gift cards, event tickets and ID, offset and thermal printable retail price tickets and more)
- Wet-strength label stocks for wine, beverage and food
- Sterilizable medical packaging with controlled porosity for pouch and lidding
- High porosity air filter media for air filtration
- Absorbent blotter and desiccant papers for medical and fragrance applications
- Abrasive backing featuring high internal bond for sandpaper
- Archival art and conservation papers and boards in wood pulp and cotton fiber up to 8 plies
- Tape system components including masking stocks for signage and protective systems
- Polymer-reinforced strippable wallcoverings, aqueous coated/pre-pasted
- Security features may be added for brand protection and tracking

**FOURDRINIER PAPER MACHINES** | The Mill operates two Fourdrinier paper machines:

- Machine One: Trim 90 - 102" (229 - 259 cm)
- Machine Two: Trim 80 - 88" (203 - 223 cm)

**CONVERTING** | Embossing, Roll Processing, Sheeting (Folio and Cut Size) and Ream Wrapping.

### COATING CAPABILITIES

- Trim 62" (157 cm)
- Rod Coating
- Two Coating Stations
- Coat Weight .25 - 30 lb./ream/side (.325 - 66 gsm)
- Tie Coatings
- Hold Out and Barrier Coatings
- Adhesive Coatings
- Gravure, Flexographic, Screen and Offset Coatings
- Inkjet Receptor Coatings
- Toner Adhesion Coatings

**IN-LINE PROCESS CONTROL** | Weight, Moisture, Caliper, Color, Brightness, Opacity and Formation.

**LAMINATING** | For higher caliper or special composite requirements, Monadnock can provide laminated products up to 8 plies.

**CALENDERING** | The calender stacks impart the desired surface smoothness. Finishes range from vellum to smooth to silk at 50 Sheffield smoothness.

**SIZE PRESSES** | Surface sizing, coatings and saturants may be added at the size press to increase strength of the paper as well as optimize printability.

**COLORS** | Monadnock has the capability to impart pigment or dye-based colors in the paper as well as applying surface colors on the coater.

**FINISHES** | Monadnock has the capability to impart a wide variety of functional and decorative finishes both on- and off-machine.

### BASIS WEIGHT RANGE

- 27 - 230 lb. (24x38/500) 42 - 354 gsm

**TOLL MANUFACTURING AND COATING** | Contact us for information on our toll manufacturing and coating programs.