For over 40 years, Manchester Industries has demonstrated a passion for providing solutions to our customers. We take pride in being a part of our customers’ process and working with them to meet the changing and challenging needs of the printing and packaging industry.

We provide an exceptional service platform with a staff that is second to none in technical and industry knowledge. Working with our customers, we assist with inventory requirements, specifications and recommend appropriate substrate selection based on cost, quality and end-use requirements.

ALLOW US THE PRIVILEGE OF BECOMING A PART OF YOUR FAMILY.

Serving Your Printing and Packaging Needs:

- One Stop Sourcing for First Line - Mill backed paperboard and paper
- No “Job Lot or Seconds” worries
- Custom Precision Sheeting - From a Skid to a Truckload!
- Digital to Large Format!
- Multiple Carton packing lines
- Fourteen Precision Sheeters
- Sister facilities give us the ability to flex our schedules and provide supply chain contingency
- Slitting and Rewinding Rolls - Perfect for Narrow Web Applications!
- Contract Sheeting Services
- Guillotine Trimming capability
- Press Ready Skids
- Quick Turnaround time! 1-3 Day Turn
- Inventory on-site and accessible to meet both our customer’s and industry requirements
- At no additional cost, we provide technical assistance supported by our Mill’s technical resources and staffing.

Call us to discuss your Prival Label Needs!

Ask about our patented Quick Change® Skid Inserts!

Manchester has six strategic locations including a new co-venture with Pacific Paperboard Converting ensuring speed to market for the southeast including: Tennessee, Alabama, Georgia, and South Carolina
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One way to think of packaging grades is a tri-level pyramid. Generally speaking as you ascend the pyramid you attain both higher quality and higher cost.

**COATED VIRGIN GRADES:**
SBS (Solid Bleached Sulfate), CUK (Coated Unbleached Kraft), FBB (Folding Box Board)

The CUK has a heavier basis weight than SBS for strength (wet strength sizing is also available), but historically at a lower cost per msi. SBS however offers a smoother and cleaner print surface (generally) and is more readily available and generically accepted.

We should also include the FBB grades in this family, although there are various degrees of quality within these substrates. The FBB members vary according to the type of pulp used and the degree of bleaching, smoothing and shade.

The best way to look at SBS and FBB products is to refer to them as different manufacturing technologies: SBS/CKU is manufactured using the southern kraft process, utilizing a single ply, Fourdrinier machine. FBB products are manufactured on multi-ply machines using multiple headboxes, coming together to form the sheet. Worldwide, the multi-ply machines are the most popular and utilize the newest technology.

**CLAY COATED RECYCLED GRADES:**
CCNB (Clay Coated News Back), CCKB (Clay Coated Kraft Back), CCWB (Clay Coated White Back)

The CCKB was traditionally used for cartons needing a little more strength than CCNB. The CCKB was to contain more kraft box cuttings (virgin fiber) to add more rigidity, bursting strength, etc. The CCWB had the white backliner to make a nicer finished (lined) carton.

**UNCOATED CHIP GRADES:**
Plain Chip, Bending Chip, Pasted Chip

**USED FOR:** Simple folding cartons, Packer boxes

Kraftpak® would be the virgin fiber member of this group, to allow a cleaner, smoother surface for printing. Some chip mills do make a recycled sheet to rival Kraftpak® in printability, but availability may be difficult in some areas of the country.
Typically, SBS is the most readily available substrate in the marketplace for high end, quality folding cartons.

Chip, clay, and other grades are certainly available, but may require more discussion to cover any logistical issues.

Most converters carry a small amount of chip inventory, as well as CCNB and SUS, depending on their markets.

Inventory programs can be put into place with any grade.

The trend with board mills is to ship in truckload quantities.

It is more difficult to get less than truckload quantities, even if stop-offs may be available for an ever-growing fee.

This is where a well stocked converter can fill the void with properly managed inventories of the right items.

For SBS: Calipers from .010 - .028 are normally available

- .022 is stocked less than any other caliper
- .010 - .012 are fairly common among suppliers
- FBB grades are usually maintained for general and specific pieces of business

CRB typical stock calipers are .018 -.024

- .016 is available for an upcharge
- .026+ is available in limited supply from specific mills as a special order item

Specialty grades exist for specific end uses such as:

- Blister coatings
- Skin board/ Uncoated SBS
- Poly coated board
- Grease holdout board
- Coated one side Litho
- Top Sheet
- Cup and plate
- Extra smooth, Extra white (E.S., E.W.)
- Coated both sides

The price ladder is roughly the following (going from lowest price to highest):

- SUS
- SBS
- FBB
- Kraftpak®
- CCKB
- CCWB
- CCNB
- Bending chip
- Bleached manila

The order may change slightly due to goals desired.

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