LAMIMATE™

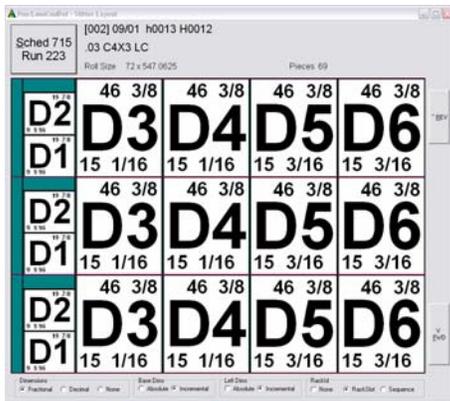## Control and Optimization for Laminated Glass Lines

Manufacturing facilities that produce laminated glass can greatly benefit from the optimization and production control provided by LAMIMATE™ from PMC Software Inc. PMC has developed a complete software solution to handle all aspects of laminated glass production, from film (PVB) optimization and slitting of laminate material through to assembly of laminated billets.

LAMIMATE™ modules are designed for operation in the office and at the Lami Slitter and processing machinery on the production floor.

LAMIMATE™'s control begins with laminate optimization in the office. At the laminate slitter workstation on the production floor, once a production Run is selected, a Data Exchange Format (.DXF) file of laminate material cutting instructions is automatically generated. As the laminate is fed down the conveyor and slit, a monitor displays the optimized pattern of the laminate with dimensions and the Rack/Slot location of the lites to be assembled into the billet. The display may be configured to show just the information your plant needs.

At Lami processing, computers at the Load, Assembly and Offload workstations assist operators in retrieving lites for assembly and then racking the completed billets.

At the Load end of the Laminated glass line, LAMIMATE™'s Load display instructs the operator as to which lites are to be loaded onto the glass washer conveyor, in correct production sequence. At the end of the Laminating line, the operator is instructed, through the use of the Off-Load Display, as to where each laminated billet will be stored in harp racks, carts or buggies via PMC's RACKMATE™ software.

Provisions exist for rejecting a lite of glass or laminated billet as it passes through the line, as well as an optional cut piece label printing ability.

Real-time inventory usage reports help with film stocking and yield analysis.

Optimal yields

- Reduces the number of roll widths that need to be stocked
- Laminate material usage reduction

Total scheduling flexibility

- Production schedules tailored to your operations
- Generates instructions for both rectangular and shape cutting
- Configurable rules

Maximum efficiency

- Processes double and triple billet units
- Enhanced machine utilization
- "Bridge" eliminates re-keying of cutting requirements
- Real-time reports increase control

Reduced labor costs

- Frees employees of routine, time consuming tasks
- Expedites sorting using your rack and cart configurations