SCOREMATE™

Real-Time Glass Cutting Line Control

Window and glass manufacturers can be assured of reduced operating costs and increased profits when they maximize glass cutting and processing operations. PMC Software's **SCOREMATE**™ offers complete glass cutting line control with powerful features that provide all necessary details about downloaded Runs to cutting table personnel. These features include:

- Real-time generation of cutting instructions
- Direct Numerical Control for transfer of cutting instructions to the cutter
- Complete real-time control over all components of the cutting line

SCOREMATE™ generates NC (Numerical Control) cutting instructions in real-time. Optimization is executed in the office, but no generation of NC cutting instructions takes place at this time. Rather than generating NC instructions for *all* tables on the floor (in the case of multiple cutting table facilities), the system generates *only one set* of NC instructions, specific to the table that is to cut that Run, at the time the cutting table operator chooses the Run for processing. This saves both time and valuable disk space since it eliminates generation of NC instructions for all your cutting tables when only one table requires that data.
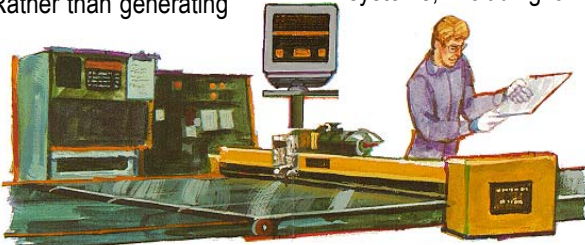
SCOREMATE™**'s** Line Control functionality tracks all processes at the cutting workcenter, from retrieval of glass to download of cutting instructions to the table to squaring and cutting the layout. The **SCOREMATE**™ DNC Active screen displays the Runs to be cut and the layouts involved, including detailed information about each layout as it is processed. Under normal processing, the only intervention by the cutting operator is to press a button located at the breakout end of the cutting table to advance the layout from the cutter to breakout. This signals **SCORE-MATE**™ to display breakout information on the optional large TV Breakout Monitor display.

If a situation interrupts processing at any of these stages, the status of the affected layouts is displayed for the cutting operator and can be changed to recover the sequence

of processing, allowing complete control over the sequence, prioritization and any required adjustments to Runs as well as inserting rush Runs into the daily cutting routine without interrupting previously selected production Runs. The operator clicks the "OOPS" button on the screen, selects a layout, and changes its status as necessary. Processing continues with minimum interruption. Layouts may also quickly and easily be re-arranged or deleted from the production sequence as needed.

A host of optional add-on features tailor **SCOREMATE**™ to your plant's unique equipment and processing specifications.

- Large TV **Breakout Monitor** display (explained previously)
- Crane Control for multi-rack loading systems, including a **Rack Maintenance** option that allows you to change the specifications or quantity of glass that resides on a rack or add new racks to your configuration
- Provisions to correct a **Crane Fault**, if the crane must be aborted, with options for correcting the fault and resuming cutting
- Stipulation for **Free Fall** systems
- **Real-Time Remakes** allows for processing low yielding layouts along with rejected lites to increase yields. By automatically considering offal glass for remake processing, rather than using stock sheets, yields are improved even further and material costs decreased
- **Real-Time Inventory Usage** reporting provides real-time collection of glass inventory usage and yields, available in the following report formats –

Cutting Log	Inventory Usage
Yield Summary	Low Priority Cross Ref

- **Real-Time Production Reporting** offers production statistics by shift, available in a workstation display, listing statistics for the workstation, and office display and printed report, listing statistics for *all* workstations
- **Pack Maintenance** option, for tracking glass by packs