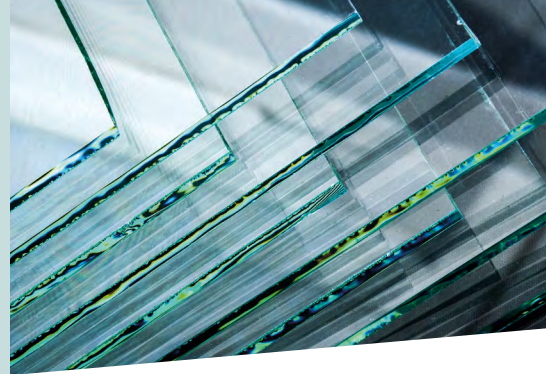


OPTIMATE™

Glass Optimization and Production Control



OPTIMATE™ is a computerized glass optimization system designed to reduce material waste by providing the best cutting layouts and work sequences for factory production. It also provides the added benefits of more efficient machine utilization, better inventory control and improved production control information.

OPTIMATE™'s features allow the computer to do most of the work. The system is menu driven so all choices are always right in front of you. All entries are checked for validity before they are processed.

Unique "one step" order entry allows entry of orders in the same sequence they were taken. The computer sorts glass requirements by due date, color and thickness. Report layouts provide extensive planning tools that make a difference.

OPTIMATE™ generates much less offal than manual layout methods and also allows offal to be considered as inventory when making new cutting layouts.

OPTIMATE™ handles double and triple insulated units automatically – even if each lite is a different color or thickness. Provisions for entering spacer thickness, color and sealing process provide maximum flexibility when defining an insulated unit. Units can either be exploded into their various components, or they can be optimized using OPTIMATE™'s "unit optimization" feature, which reduces sorting time.

In addition, OPTIMATE™ handles laminated glass with quick and easy input of interlayer thickness and color specifications and also allows you to define the most

extensive list of edgework and/or fabrication codes in the industry, along with dimensional adjustment factors.

OPTIMATE™ uses the latest database design technology so that key information does not have to be sorted before data can be displayed or reports produced. This reduced search and printing time means that key information is always at your immediate disposal.

By running tests, OPTIMATE™ can help determine the best inventory sizes to carry. It can also be used to determine if an order should be bought cut-to-size or cut in house from sheet stock.

OPTIMATE™'s wide range of reports provides various levels of insight into such things as current inventory levels, optimization results and cutting instructions. Reports and easy-to-read layouts are available both in printed and on-screen formats. Dimensions can be entered and displayed in either fractional (24 1/2) or decimal (24.5) format.

OPTIMATE™'s reports include:

- Cutting Layouts
- Cutlist Preparation
- Glass Component Report
- Glass Unit Report
- Inventory Usage Report
- Labels
- Order Report
- Order Layout Cross Reference Report
- Yield Summary

Optimal yields

- Glass usage reduction of 6% to 12%
- Considers offal as inventory to further reduce waste
- Calculates the best inventory sizes to stock

Optimization of all glass process requirements

- Double and triple insulating and offset units
- Laminated glass
- Edgework and fabrication

Total scheduling flexibility

- Production schedules tailored to your operations
- Generates Numerical Control (NC) instructions for both rectangular and shape cutting
- Configurable rules

Maximum efficiency

- Interfaces with a wide range of automated cutting machines
- 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



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