

# 2020 Insight

## Optimization Management

Manufacturers want to optimize use of inventory and make the most from their production schedules to ensure timely delivery, all while saving changeover time and resources. 2020 Insight's optimization management tools provide a single, unified solution for both panel saws and nest-based routers.



With our 2020 Insight optimization management tools, information is integrated from the sales order through inventory, to the machines and production. Whether you are using block, panel saw or true shape patterns, the system provides visual results

that show yield, the number of patterns created and any unoptimized parts. 2020 Insight automates your panel optimization processes to allow you to achieve the best results.

### Benefits

Automate workflow around panel optimization to save time and ensure maximum panel yield

Maximize material use by running scenarios for part batches with different settings to achieve best yield

Provide a single, unified solution for panel saws, block nesting and true-shape nesting

Integrate production data and engineering data

Optimize inventory with powerful remnant management capabilities

Supports multiple optimizers with the same data

Expand your product offering with grain matching within and across multiple products

Reduce costs

# Minimize waste and maximize yield with integrated, automated panel optimization

Raw material costs account for a significant portion of your product costs. Maximizing the use of raw materials is imperative. With our flexible optimization system, you can use one tool to save material costs in the race to stay competitive—regardless of the type of machine you’re using to cut parts.

## Panel Optimization Console

At the heart of 2020’s optimization strategy is a panel optimization console that unifies information for the management of batches. The console gives you the ultimate flexibility in job creation and control by working with both the demand you are generating and the inventory you have on hand. The panel optimization console is incorporated into our sophisticated workflow model to enable automation and business process adherence.

- Automated workflow support
- Post-processor support for saws and routers
- Remnant and inventory management
- Ad-hoc optimization

## Optimization Batch Creations

Automatically create material optimization batches from production orders or sales orders based on a common cut date and/or based on material across multiple orders, and then add, edit, or delete a batch and reorder to suit your needs. Our powerful internal Actions then optimize the batch and create CNC code, labels, and automated material handling worklists. Users can view the results of batch runs, make changes and repeat to compare results with different constraints before sending to the machines. The system is also flexible to allow for on demand batches to be created during production.

## Formation Editor

Formations force the system to keep items together so that they are cut from the same panel. Use the formation editor to manage grain-matched surfaces within or across multiple products. Create a super-formation using drag-and-drop functionality to bring together two sub-formations and force grain matching on an entire row of items.

## Remnant and Inventory Management

Remnant and inventory management integrates seamlessly with the 2020 Insight inventory module to uniquely track and reserve material for production. Use previously generated remnants and/or create new remnants with every optimization run and always maintain an accurate cost for waste.

## Bill of Materials Update

Automatically update your BOMs with item substitutions and remnant reservations.

### Ordering Information

IS.OPT.COR	Optimization Management Console
IS.OPT.CTP	Embedded Block Nesting &/or Panel Saw
IS.OPT.TSN	Embedded True-shape Nesting
IS.OPT.OPL	External Optimizer Link
IS.OPT.UPP	Gen Post Universal Post Processor