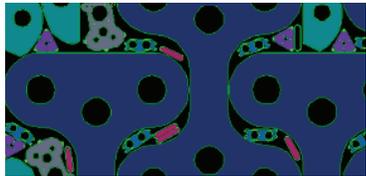


One of the primary challenges fabricators face is order cohesion. When kits, units, or assemblies are disaggregated among many non-consecutive nests or sheets, the downstream operations are impeded waiting for delayed components.



## JIT KIT NESTING

### How It Automates

JIT Kit Nesting keeps kits together, while eliminating tail off and programming time using the JIT Nesting method.

### How It Works

The Optimization nesting software's exclusive technique to maintain order cohesion among kits or assemblies is applied to the JIT model. The unique orders are fed into the nesting algorithms in sequence as whole units. The nests are optimized for efficiency. Then, as the sheets drop below a pre-determined level of efficiency, the nesting algorithm introduces parts from the second kit, and so on. The first parts of the second kit fill the last sheet of the first kit and thereby maintaining efficiency and order cohesion.

### Multi-Variant Kits

Most kits are comprised of parts from multiple materials and grades and non-sheet components. The nesting software segregates the parts for different materials and drives them to different order cues and nests and separate out altogether non-punch or –laser parts.

### For more information, contact Beverly Gates.

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## About Optimization®

Optimization® delivers economic performance for fabricators through advanced nesting software. Optimization® develops and supports nesting and CNC part programming software for fabrication processes, which include punch, laser, plasma, Waterjet, router, and CNC knives. We cover the range from single-machine sites to sites with hundreds of machine tools with the highest possible automation.

Our automated approach to manufacturing solutions dates back to our beginning more than three decades ago. It is our belief that routine - and even not so routine - nest technology fabrication can be best achieved through a rules-based system that reduces not only material waste but programming time and error and keeps the manufacturer in control.

