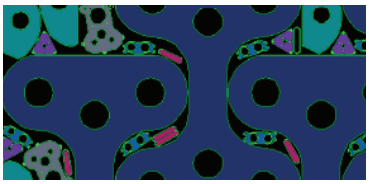
Optimation's exclusive JIT (Just-in-Time) Nesting gives manufacturers the power to respond to change in one machine cycle. Whether design revisions, reworked parts, order changes, or the inevitable rush order, change is constant. Now with JIT Nesting, it doesn't have to be disruptive.



JIT NESTING

How It Works

The principle behind JIT Nesting is to make one nest at a time, just in time for the next machine cycle. Because Optimation can produce a nest in far less time than it takes to produce the parts, the software can check the open order "bucket" within the MRP system, reconcile any new orders with librariedand programmed parts and the latest revisions; calculate the optimal nest and program the tool path before the operator is ready.

The "chaos" within new, hot parts and orders is absorbed back into the normal order flow and addressed with the next nesting process.

No Routine Programming

Because the nests are automatically created based on current order demand and part designs, there is simply no need for a dedicated programmer to handle routine nesting. The machine operator can cue the system and generate a new nest when it is needed.

The programmer, otherwise dedicated to this operation, is freed to handle exceptions, manage the process, look for further improvements and coordinate activities among different upstream and downstream operations.

No Tail Off

With batch nesting, the batch inevitably runs out of parts as the orders are depleted and the final nests are naturally less efficient opening the opportunity for needless waste. With JIT Nesting, the orders are always replenished based on current and updated demand and tail off is reduced or eliminated.

For more information, contact Beverly Gates.

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About Optimation®

Optimation® delivers economic performance for fabricators through advanced nesting software. Optimation® 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.

Optimation®
WE DELIVER ECONOMIC PERFORMANCE