

► CASE STUDY

- “We are satisfied with Optimization and have not considered other nesting software since using Optimization.”
– Gary Guennigsmann, Millerbernd Laser

PROGRAMMING TIME CUT TO A FRACTION OF MANUAL INTERACTION FOR MILLERBERND



CLIENT: MILLERBERND LASER

- Millerbernd is a one-stop, job shop specializing in fabrication, and laser cutting services, building custom processing equipment supporting the dairy, food, Ag and construction industries.
- Committed to providing optimal material usage, quick turnaround, and quality products with competitive pricing.
- Millerbernd holds the ISO 9001:2008 Certification
- Equipment: Trumpf CO2 lasers with load and unload tables with cutting area of 8 feet wide and up to 20 feet long.
- Located: Winsted, Minnesota
- learn more online at www.millerbernd.com



PROBLEM:

Millerbernd is known to deliver a quality product with a quick turnaround and competitive price. To do so, they needed maximum laser cut time and throughput; minimal turn time from CAD to laser; tight, efficient material nests for minimal scrap; flexibility to handle rapid order change, and all on a predictable, reliable basis.



SOLUTION:

Dynamic nesting and automatic part programming from Optimization® have been Millerbernd's competitive advantage since 1999.

Managing Hot Parts

Gary Guennigsmann, CNC Laser Programmer comments, “I’m able to recall nests and make part and order changes on the fly with minimal laser downtime.” Because nests are compiled automatically and within minutes, there is ample time to make changes, respond to new demands and still have the next nest ready all within one laser cycle. Further, because it only takes seconds to program a part, Millerbernd can put a “hot part” on the very next nest without compromising quality or efficiency.



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Managing Multiple Manufacturing Needs

Millerbernd is nesting in real time, feeding only the most time-sensitive orders to the machines; however, because Optimization looks at other variables (efficiency, order cohesion, etc.), the quality of the nest remains high.

Managing Assemblies

Frequently, Millerbernd processes assemblies of welded parts using Assembly Manager by Optimization®. Guennigsmann orders the pre-defined assembly, and the software will explode the order into its individual piece-parts (fabricated and not) ready to program and nest – cutting programming time by 75% to 90%.

A+ RESULTS:

- Programming time cut to a fraction of prior manual interaction.
- Able to respond to demand changes on the next machine cycle.
- CAD drawing to laser cutting in minutes.
- Significantly increased laser uptime.