User: *Cimbria Manufacturing A/S*

CASE STUDY

Expert Premium

Company Information

Founded: 1947

Staff: 500+ worldwide

Business: Precision machinery for the seed and grain industry

Machines: Bystronic 3015 Laser
Bystronic 4020 Laser
Trumpf TC500 Punch Press
Trumpf TC2000 Punch Press
Messer Grieshiem Oxyfuel

Web: www.cimbria.com

Purchase Benefits

- ✓ Programmer mastered the system in only 2 days
- ✓ Can quickly move jobs between various machines, regardless of technology
- ✓ Saving 5% on material due to new high performance (FFHPN) nesting module
- ✓ Nesting queue allows highly optimized nest to be generated overnight
- ✓ Nests can be produced on due date basis
- ✓ Built in CAD features remove the need to modify parts in AutoCAD or other software
- ✓ Integrated seamlessly into existing MRP system
- ✓ Bump-nesting allows parts to be dragged and dropped onto nests quickly and with precision
- ✓ Saving almost 2 ½ months per year in machine cycle time due to intelligent lead-in positioning
- ✓ Local support much better than previous supplier
- ✓ New updates (provided via Internet) continually delivering advanced features and associated savings

User Comments

"For me, JETCAM is clever. The new nester saves me at least 1 hour a day as I can queue all jobs to be nested overnight."

Per Vesterby
Programmer

Requirements

Cimbria Manufacturing A/S, a part of the Cimbria Group based in Thisted, Denmark, had relied on a US-based CAM system to program their existing Trumpf punch, punch/laser combination and Messer Griesheim machines. In addition to proving slow to learn and complex to use they could only get US-based support at inconvenient hours. Ongoing maintenance was also expensive and provided little or no return on investment. Cimbria enquired about a software update, but the cost to update to the latest version was unrealistic. They decided to buy another system instead, and chose JETCAM Expert, which was supplied through Camtek APS.

The JETCAM Solution

JETCAM Expert Premium with MRP interface was installed and was integrated seamlessly with Microsoft Navision C5 (Concorde) XAL MRP system. This integration provides JETCAM Expert with an up-to-date list of jobs with parts to program and/or nest. A year later they purchased two Bystronic laser machines, for which postprocessors were purchased. Of the initial training Per Vesterby, Programmer, said; *"I learnt JETCAM in just two days. What I particularly liked was that it is very easy to move jobs between machines. If the Trumpfs are overloaded I can generate code for the Bystronic in 1-2 minutes. For me JETCAM is clever. When making a drawing, JETCAM's CAD facilities allow me to do most amendments quickly within the software instead of having to use AutoCAD."*

Cimbria has maintained an up-to-date maintenance contract since installing JETCAM and has seen several major enhancements which have further improved their efficiency. In 2004 they updated to the latest user release, which delivered two major new features - enhanced bump nesting and intelligent lead-ins. Of the bump nesting Per commented; *"Every time we need to put a new part onto an existing nest we use bump nesting. If I can't drag and drop the part onto the nest I know there's not enough space - simple."* Intelligent lead-ins provided more surprising improvements, however. *"With intelligent lead-ins we are saving between 15-20% of machine cycle time, which across the two Bystronic machines equates to 2 -2 ½ months of additional capacity per year!"*

With steel prices continuing to escalate, Cimbria also wanted to optimize material usage and subsequently purchased JETCAM's high performance nesting engine (FFHPN). The module allows Per to build a queue of items to nest which can then be left to run overnight, yielding the most optimum nest. If required, nests can be created by part due-date based on a variety of parameters. The results were startling; *"We are seeing around 5% saving on all nests. Our material costs are easily over €1.2m per year, so the new nester paid for itself in less than a month and is now generating clear and tangible profits. Queuing nests also freed up at least an hour of my time every day."*

With the recent software updates supplied free under JETCAM's maintenance contract and the purchase of JETCAM's high performance nester Cimbria has seen savings that run into several hundred thousand Euros, for a fraction of the cost. Capacity has increased dramatically, material usage has improved and programmer time decreased. Per concluded; "Local support is excellent, the system is so easy to use and the time savings speak for themselves."