



User: **South East Coolers**

CASE STUDY 
Expert Premium

Company Information

Founded: 1983
Staff: Approx 50
Business: Production manufacturing specializing in cold storage equipment.
Machines: Finn Power Punch Press
Website: www.secooler.com

Purchase Benefits

- ✓ Massively increased their production capacity, from producing one part in 10 minutes to a sheet of 80 in 5 minutes
- ✓ DXF clean up facility repairs supplied drawings and reduces programming time by at least 20%
- ✓ After previous programmer left the new programmer learnt the system without training
- ✓ Auto-alerts reduce the possibility of error using SEKT technology to control NC output within defined parameters
- ✓ User has as much or as little control over the cutting process as required
- ✓ Maintenance delivers additional benefits as new developments are released

User Comments

"JETCAM really gives us a competitive edge with precision parts. JETCAM simply does what it says it will do - we'll never consider using anything else with any new machines we buy."

Paul Wells
Assistant Plant Manager

Requirements

South East Coolers, based in Georgia has grown their business manufacturing indoor and outdoor cooling equipment since the early eighties, but had taken their manufacturing processes as far as they could using manual cutting processes. Sheet metal was previously cut by hand using saws and snips, affecting speed and accuracy. A decision was made to purchase a CNC punch press. As one of the programmers had previous experience of JETCAM this was a factor in the decision-making process of reviewing the software that was being recommended by machine tool manufacturers. After evaluating the market they chose a Finn Power punch press that was supplied with JETCAM Expert as standard.

The JETCAM Solution

Once the machine was installed the most obvious and expected improvement was that of speed. Said Paul Wells, Assistant Plant Manager, *"Previously we'd have engineers working all day on just a few parts, but now we are producing 80 parts on a sheet. But what really surpassed our expectations was the way that JETCAM Expert automated the process of driving the machine."*



South East Coolers suffered a setback when their only trained programmer left, leaving Paul to take over. *"I had to learn the system pretty quickly. I had experience of AutoCAD, and although the methodology is a little different, once you understand what the system is asking of you it's simple. I just started poking around different menus to get the hang of the system."*

One problem was the drawings supplied by customers with orders. *"Many customers will supply DXF files in various states of inaccuracy. Where users had left gaps between lines and lines on top of arcs I'd have to go through the drawing line by line in AutoCAD and manually repair this - JETCAM would solve these problems automatically, which reduced the amount of time I spent preparing jobs by at least 20%."*

The automation in JETCAM has also played a major part in reducing errors and increasing productivity. The SEKT database stores common information, applying the pre-configured preferences to each job and prompting the user of potential problems; *"I expected to have to manually tell the system when index stations were involved, but JETCAM takes care of that for me. I also like the fact that it alerts me if I try to use the wrong tool."*



JETCAM's maintenance service has proved invaluable assistance. Paul added, *"They have been very helpful in filling in the gaps for me. They walked me through the initial DXF clean up process, for example."*

South East Coolers are still learning the benefits of a CNC-based production facility, but have already recognized the massive positive effect it has had on their business. Their ability to respond to their customer's needs has increased tenfold not only in terms of production capacity but also due to their programming capabilities. With the possible purchase of a laser machine planned in the future, South East Coolers expect JETCAM to be an intrinsic part of their production process.

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