

Case Study: B/E Aerospace (UK) Ltd



Highlights

- ✓ B/E were able to get assistance with the data transfer and advice on how to setup/drive the machine from Press and Shear
- ✓ Programming time reduced by 50% due to new features in updated version such as tool teach
- ✓ Using SCAP to automatically tool new parts in seconds
- ✓ Can apply auto-tooling data across material types and thicknesses
- ✓ Machine runtime improved, partially due to software improvements
- ✓ Virtually no support calls since the system was installed in the early 1990's
- ✓ Planned future integration into JD Edwards ERP system

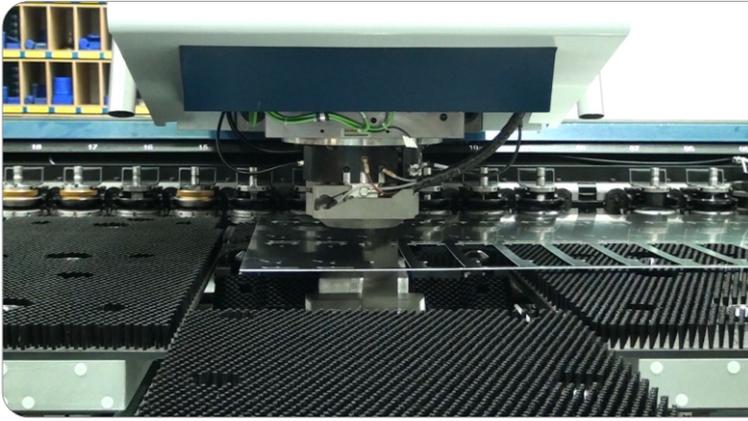
B/E Aerospace (UK) Ltd, based in Leighton Buzzard, Bedfordshire is the worldwide leading manufacturer of aircraft passenger cabin interior products for the commercial and business jet aircraft markets. The company purchased two Trumpf 240r turret punch presses in the early 1990's which were driven by JETCAM Expert. In 2010 the decision was made to replace these with a single machine. During the research process they called upon the assistance of JETCAM's UK distributor Press and Shear for advice.

Peter Haynes, Production Engineer in the Fabrication department explained; *"We considered several new machines including Amada and Danobat, but opted for another Trumpf, one reason being that it would have cost £80k just to replace our tooling. We knew, however that whichever machine we selected we could drive it with JETCAM. We called JETCAM's UK distributor Press and Shear in and they offered to provide advice and assistance for a smooth transition between old and new machines."*

The decision was made to select the Trumpf TruPunch 3000 in 2010, and the machine was delivered in December. An engineer from Press and Shear went onsite for three days, updating the three existing licenses to the latest version, setting up the new postprocessor and migrated the company's tooling into a new,



optimised database structure. JETCAM's Single Component Automatic Processing (SCAP) was used to automatically apply tooling to new components within seconds. A default material was created for tooling to be applied to, and this could be copied across to additional materials and thicknesses as required.



Software: JETCAM Expert Premium
Free form nesting

Machine: Trumpf TruPunch 3000

In addition to the obvious benefits of a newer, faster machine, B/E also saw significant benefits with the CAM upgrade. New features such as 'tool teach' reduced programming time by 50%, as common cutting preferences could be 'learnt' by the software and automatically applied thereafter. Machine runtime was also improved, not only due



to the faster machine but also as B/E were able to take advantage of the machine's advanced functions, which were supported by the new postprocessor.

Staff were trained on the new software during the three days on-site, which Peter felt went smoothly; *"Our staff actually enjoyed the recent training sessions. Some have had little or no CAM experience, but they were all proficient at the end of it."*

Since installing JETCAM Expert in the early 1990's the company has had little reason to call support. Peter noted; *"As the software is extremely stable we just don't need to call for support. On the rare occasions we've asked for advice we've usually got it the same day. As we are one of JETCAM's oldest customers in the UK we have a good rapport with the engineers and they understand our business - they know where we want to go with the software."*

In addition to the new punch press B/E Aerospace has updated other hardware within the fabrication cell. They also have plans in the future to update their JD Edwards ERP system with a view to full CAM integration. Peter concluded; "Compared to other systems that we've seen demonstrated JETCAM is very simple to learn and use, and we know it can support any machines we select in the future."