

Somers Forge Increase Productivity up to 10 X by Utilising NCG CAM for Shop-Floor Programming



Above - Using 3+2 with small cutters to minimise spark erosion

About the Company

With over 130 years experience in heavy engineering, Somers Forge, West Midlands, UK is one of the leading open die forge masters in Europe, working in a variety of materials ranging from carbon steel through to super alloys and specialised nonferrous alloys.

Somers Forge satisfies a wide range of requirements for world industry using its comprehensive in-house facilities, including marine, power, oil, defence and aerospace and are exploring more avenues such as mould & die machining.

Requirements

Somers Forge was looking for an easy to use, reliable CAM software package suitable for shop floor programming, that was compatible with SolidWorks and their DEPO machine tools.

Results from Purchasing NCG CAM

- ✓ Introducing CNC machines with **NCG CAM**, allows drilling & milling on the same machine tool and by using the 3+2 eliminates further operations on parts. Jobs have been reduced from 300 hours to just under 30 hours.
- ✓ Simple to program at the machine tool, allowing users to open the model and create the program in minimal time.
- ✓ Ease of use and reliability of **NCG CAM** means users are confident running lights out machining, saving valuable time.
- ✓ Easily able to diversify the type of work that they offer from forgings to mould tools.
- ✓ Able to dedicate one machine tool to roughing and carry on with other operations on the other machine, such as rest roughing, 3+2 axis and trimming back to stock models, so utilising both machines to their maximum capacity.
- ✓ Drilling is very good for drilling multiple holes; it takes just a few mouse clicks to drill 500 holes.
- ✓ Easy to drill multiple holes that have different depths, but the same diameter, using just one command.
- ✓ When drilling using 3+2 axis, do not need to worry about the angle of the hole, as **NCG CAM** always finds the correct place.

“Somers Forge has established an international reputation for successfully combining the very best technology, such as **NCG CAM**, with traditional quality skills.”

Stephen Abbott, CNC Supervisor



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