

CAM programming and 5-axis machining support for UK manufacturers

Gaptia Solutions helps manufacturers get CNC parts programmed, proven and into production when they are short of time, people or 5-axis experience. Run by Petr Dobias, with more than 25 years in precision engineering from CNC milling and CAM programming to injection mould design.

WHAT I DO

- CAM programming in hyperMILL, from 3-axis, 4-axis rotary tables to simultaneous 5-axis
- Jig and fixture design, to reduce set-ups and hold difficult shapes securely
- Design for manufacture (DfM) and feasibility reviews before a job reaches the machine
- Program proving and first-off samples on your machines
- Hands-on machining cover on your machines, when you are short of an experienced setter or programmer

HOW A JOB RUNS

1. **Visit** to understand your machines, tooling and how your team prefers to work
2. **Program** written remotely on my own hyperMILL licence, using your post-processor, or at a desk beside your machine, programming and running parts at the same time
3. **Prove** at your machine, with first-off parts run and checked
4. **Hand over** programs, tool lists and set-up sheets, ready for production

CAPABILITY

Machines	3- and 5-axis machining centres: Bridgeport, DMG MORI, Mazak, HAAS, Hedelius
Controls	Heidenhain, HAAS, Fanuc
Software	hyperMILL (own licence)
Materials	Aluminium, steels, stainless steels, tool and die steels, titanium, plastics, copper, graphite
Parts	Injection-mould cores, cavities and inserts, aerospace brackets and prototypes, housings, hinges, fixtures and electrodes
Sectors	Automotive tooling, aerospace, industrial and R&D, Medical & Pharmaceutical, Oil, Gas and Renewable energy

PRACTICAL

- On site, remotely, or a mix of both, for manufacturers across the UK
- Professional indemnity and public liability insurance held; NDAs welcome

To discuss a part, a backlog or a new machine: info@gaptiasolutions.com | +44 (0) 7851 319580

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