



BLACKCOAT SERVICES

# CAPABILITY STATEMENT

3D PRINTING + CAD + SMALL-BATCH PRODUCTION

Blackcoat Services helps businesses turn an idea, sketch, digital file or physical reference into a finished part. Based in Lichfield, we support organisations across Staffordshire and the West Midlands, with UK-wide delivery available.

## CORE CAPABILITIES

### DESIGN & DEVELOPMENT

- CAD design from sketches, measurements or existing files
- Design refinement and print preparation
- Functional prototypes and iterative development

### ADDITIVE PRODUCTION

- FDM and resin 3D printing
- One-off parts, prototypes and short runs
- Material and process selection around the application

### BUSINESS APPLICATIONS

- Jigs, fixtures, housings and workshop aids
- Replacement and hard-to-source components
- Custom workplace items, including phone stands and pen holders
- Branded promotional products, including keyrings

Faster prototyping and design validation

Production without conventional tooling

Custom or hard-to-source parts

## Facilities & resources

- Autodesk Fusion 360
- 1 FDM printer
- 1 resin printer
- 3D scanning equipment rented/sourced on a project basis when required

## Simple project process

|                              |                              |
|------------------------------|------------------------------|
| <b>01</b><br>Brief           | <b>02</b><br>Review          |
| <b>03</b><br>Quote + produce | <b>04</b><br>Check + deliver |

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Lichfield, Staffordshire | UK-wide delivery