

FDM 'Advanced Operator' Training

Level 2



TRAINING SPECIFICATIONS

DURATION

2 DAYS

LOCATION

STOKE-ON-TRENT OR
ON CUSTOMER SITE

PRICE

POA

AUDIENCE

MACHINE OPERATORS, PART DESIGNERS
& USERS OF INSIGHT SOFTWARE



TRAINING DESCRIPTION

This course equips participants with the knowledge needed to increase utilization of their Stratasys FDM machine, to improve their 3D printing capabilities and broaden their pre-processing, post-processing and material skills through theoretical and practical experience.

OBJECTIVE OF THIS TRAINING

By the end of this course, participants will be able to:

- Print 3D parts with FDM technology in best quality and strength
- Pre-process FDM parts, taking into consideration the most suitable material
- Learn how to fully utilize GrabCAD Print, Advanced FDM & Insight Software
- Change the infill of a part
- Use Custom Groups for modifying separate areas of a part
- Choose the best fitting slice height
- Edit support structures
- Edit curves for fixing STL failures
- Embed hardware during printing
- Manage print jobs with GrabCAD print and/or control center (dependent on machine)
- Generate an analysis of material consumptions and machine utilization
- Perform basic printer calibration and maintenance procedures to ensure best part quality

PREREQUISITES

- Approximately 3 months of experience working with a Stratasys FDM system
- Installation training completed
- Good working knowledge of CAD