



Providing Free, Fully Funded  
3D Printing & 3D CAD  
Upskill Training

for the whole of  
**Greater Manchester**

Delivering quality funded training for you.

**The Digital Careers Upskill Programme**

FULLY FUNDED

2 DAYS



## 3D Computer Aided Design (CAD) Training Course

*Includes a free engineers measurement kit*

3D CAD is the foundation of all modern design projects and is key to creating engineered components and bespoke design. Key ingredient to all great prints is great CAD.

- Understand importance of CAD in engineering design.
- Understand 3D space and use of datum planes.
- Use fundamental commands/first principles used by all 3D CAD systems.
- Produce complex 3D models, multi-part assemblies in Fusion 360™.
- Use Sheet metal functions to create folded sheet metal components.
- Create unfolded sheet metal DXF conversions for laser cutting.
- Produce 2D drawings with dims, tolerances, notes etc.
- Use surface modelling to produce complex components.
- Understand how to measure components.
- Create reverse engineered components in 3D CAD.

**Our 2 day course also includes a FREE Engineer's Measuring and Reference Kit for every course learner.**



Get in touch

**01942 901 360**

**3d360printer.co.uk**

training@3d360printer.co.uk



FULLY FUNDED

3 DAYS



## 3D Printer Build & Advanced Operator Training Course

*Includes a Free 3D Printer*

Our 3 day course is a great detailed introduction to 3D printing. By the end of the course, you'll be able to 3D print, slice models and maintain your very own 3D Printer which is yours to take away.

- Applications for 3D Printing in Industry, education and for the hobbyist.
- How a 3D printer works and different types of printers.
- How to build an Ender 3 FDM 3D printer from scratch.
- Set-up and calibrate the printer to a print ready condition.
- Slice and prepare print files for printing using Ultimaker Cura slicer software.
- 3D Printer maintenance safety and performance upgrades.
- Understanding of key printer components and function.
- Where to find open-source free to download 3D Print files.
- Configure your printer to Print with PLA, ABS and PETG materials.
- Huge environmental benefits for using 3D printing.



3D 360 Contact

Tel - 01942 901 360 Email - training@3d360printer.co.uk Web - 3d360printer.co.uk

3 DAY - PRINTER

FULLY FUNDED

5 DAYS



## 3D Printer Build Operator & 3D CAD Combo Training Course

*Includes a Free 3D Printer*

Our Flagship 5 day 3D CAD and 3D Printer course combines the best elements from our 3 day CAD & Printer courses enabling learners to create bespoke designs and 3D prints.

- Learn all topics from both our 3 DAY CAD and 3D Printer courses.
- Build an Ender 3 FDM 3D printer from scratch.
- Set-up and calibrate the printer to a print ready condition.
- Slice and prepare print files for printing using slicer software.
- 3D Printing materials, safety and performance upgrades.
- Use fundamental commands/first principles of 3D CAD.
- Digital Sculpting using ZBrushCoreMini
- Introduction to 3D Scanning
- Produce 2D drawings with dimensions, tolerances, notes, etc.
- Use surface modelling to produce complex components.
- Replicate reverse-engineered components in 3D CAD.

**Includes a FREE Engineer's Measuring and Reference Kit for every course learner.**



5 DAY - CAD & PRINTER

**FULLY FUNDED**

**BACK BY POPULAR DEMAND**

**2 DAYS**

**3D  
360**

# 3D Printer Build & Operator Level Training Course *(condensed)* Includes a Free 3D Printer

*Condensed introduction to 3D printing. By the end of the course, you'll be able to 3D print, slice models and maintain your very own 3D Printer which is yours to take away.*

- Applications for 3D Printing in Industry, education and for the hobbyist.
- Where to find open-source free to download 3D Print files.
- How a 3D printer works and different types of printers.
- Configure your printer to print with PLA, ABS and PETG materials.
- Build an Ender 3 FDM 3D printer from scratch.
- Understanding of key printer components and function.
- Set-up and calibrate the printer to a print ready condition.
- Slice and prepare print files for printing using Cura slicer software.
- 3D Printing materials, safety and performance upgrades.

*Want a more  
indepth course?*

*Attend our 3  
Day or 5 Day  
courses!*

**FREE  
PRINTER**  
for every  
learner



3D 360 is the **only training provider** offering fully funded 3D CAD and 3D Printer training as part of the Greater Manchester Combined Authority's (GMCA) three-year Skills for Growth programme for people who live or work in the Greater Manchester area and is delivered face-to-face weekdays at our dedicated training facilities.

# learning new skills

## How do I qualify for FULLY FUNDED training?

For fully funded, the learner must:

- **Be over 16 years old;**
- **Live or work in the GMCA area (see map);**
- **Be in relevant Employment / Self-Employment;**
- **Demonstrate the training is relevant to your employment;**
- **Not attended any other ESF funded training courses.**



For course, details and available training dates, register your interest at [training@3d360printer.co.uk](mailto:training@3d360printer.co.uk) or call our training team on 01942 901 360

Born out of industry and the realisation that 3D printing is the future of manufacturing and is changing the way things are made today.

3D 360 is owned and run by two vastly experienced engineers from the nuclear, automotive, and commercial design sectors. Both have many years experience providing consultancy services to the engineering and manufacturing sectors and in utilising 3D printing within industry for prototyping and production applications.

OFFICIAL RESELLERS

**zortrax**

**CREALITY**

EQUIPMENT & SUPPLIES

**3D 360 LIMITED**

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DELIVERED BY

**serco**

ON BEHALF OF



**SKILLS FOR  
GROWTH**

DOING THINGS DIFFERENTLY FOR  
GREATER MANCHESTER'S WORKFORCE

FUNDED BY



**European Union**  
European  
Social Fund

TRAINING BY



The Digital Careers Upskill Programme (DCUP) is delivered by Serco as part of Greater Manchester Combined Authority's three-year Skills for Growth programme, which is funded through the European Social Fund.