



[www.jdphoto.co.uk](http://www.jdphoto.co.uk)

# JD Photo-Tools

Meridian Centre t Ashton Road t Oldham t Lancs t OL8 1EZ  
Phone 0161 627 2949 t Fax 0161 620 0764 t Email [jd.info@jdphoto.co.uk](mailto:jd.info@jdphoto.co.uk)

## **GerbTool Training Sessions**

### **What kinds of courses are offered?**

Typically, new GerbTool users require two days of training, while users who only need some advanced instruction usually require one day. (A "day" is 8 hours of instruction.)

**For New Users** - We have included a Course Outline for the 2-day "New User" session, which touches on the main functions of the software and how to work with Gerber data. The instructor may deviate from the outline, as our training program is based on the product you are using, and how you need to use it. Part of the session is spent working on an actual job that you bring to the session.

**For Experienced Users** - The 1-day "Advanced" course is always specific to the individual's needs. This is intended for users who are experienced with the software but want to "fine tune" and streamline their processes.

### **Where can I get trained ?**

**In House** - training where you visit our offices in Oldham, Manchester and receive training on our systems from one of our experienced engineers. We can assist with the booking of hotels if required, and can help you plan your journey. There is a possibility that we can collect you from the nearest airport/train station if required. The minimum period for in-house training is 6 hours

**On Site** - this training covers the same courses, but we come to your workplace and work on your systems. This is normally discouraged because of the many interruptions and distractions. Onsite training is the most expensive normally due to the fact that we have to charge for travelling costs to AND FROM your workplace. The minimum period of on-site training is 6 hours

**Internet** - Like our in-house and on-site training program, on-line training is tailored to your specific needs. The purpose of on-line training is to help those users that are interested in training on a specific function in GerbTool. For example, you may be an experienced GerbTool user, but recently upgraded and want to learn how to use Advanced Panelization. Through on-line training, a staff expert will assist you with your specific needs via a real-time demonstration over the Web, eliminating the travel costs or down-time associated with on-site or in-house training.

The only real requirement for on-line training is a "good" internet connection. Corporate internet connections typically work well because they are usually T-1 or better. Modem connections will work, however we discourage their use due to the graphical nature of the GerbTool product and the amount of information that must be exchanged over the connection. To avoid slowing down data transmission during training, audio is handled over normal telephone lines. Each user will be provided with a dial-in number to access the training session. Internet training can be booked in periods of 2 hours.



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## [How do I schedule training?](#)

We need at least two-weeks advanced notice for In-House training, and 3 weeks notice for On-site training (Shorter-notice training may often be accommodated, but may result in a 10% increase on the per-day costs.) Internet training only needs one weeks notification where the period is less than 4 hours. Training takes place Monday through Friday, from 9am to 5pm, with a break for lunch. Training on weekends is not available.

## [How much will it cost?](#)

In-house training is offered at a competitive rate charged on a per-day basis. At this time, we can train no more than two people at a time at our facility. If you would like to have more than two people trained at our location, please contact our sales staff for special arrangements. You are responsible for arranging your own travel, hotels and daily transportation.

Please contact our sales staff for a more personal assessment of your needs. Once we have helped determine what the best method of training will be, our sales staff can then provide you with a quote on your actual training costs.

Internet Rates are charged on an hourly basis. There is no limit to the number of users who may participate. There is a two-hour minimum, four-hour maximum time limit per session. Multiple sessions can be arranged.

### **Training (On Site )**

*Travelling*

*Mileage*

**£ 65 per hour first 4 hours, then £50 per hour thereafter**

*£ 25 per hour*

*£ 0.30p per mile*

*Please note that both travelling and mileage costs are chargeable for **both ways** to and from Oldham. If training is to be undertaken on more than one day, then an overnight stop-over charge of £100 will be added (or return mileage charged where the distance is less than 80 miles from our Oldham office).*

### **Training (In House)**

**£ 55 per hour first 4 hours, then £50 per hour thereafter  
plus standard fee of £25 per person**

### **Training (Internet)**

**£ 85 per hour**



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## **GerbTool Course Outline**

As the training session is informal, you can specify exactly what you want to cover, and to what depth. This means that you don't spend hours 'learning' things that you already know! The following is a general outline of the subject matter covered in our 2-day training session. Depending upon your needs, the instructor may deviate from this outline as necessary.

### **Overview of the User Interface and Gerber Data**

- General features of the GUI (Navigator, Toolbars, Layer Bar, and Menu Structure)
- Different Gerber file formats (RS-274D, 274X, Fire 9000 and Barco DPF)

### **Getting Started**

- Loading Gerber and Aperture data, setting the correct Gerber Format, and loading layers
- The Aperture Table and how to enter and delete apertures
- The differences between an Intrinsic and Custom apertures
- Loading NC-Drill data and setting correct format
- Hot key functions and how to use them to streamline your use of the application

### **Editing Capabilities**

- Viewing options
- Layering features (Layer Bar, layer colors, and tagging layers)
- Editing commands (Add, Delete, Copy, Move, etc.)
- "Grouping" capabilities and filtering
- Polypour capabilities (Vector vs. Raster polygons, etc.)

### **Prepping your Data**

- Removing extraneous information: Title blocks, text, targets, etc.
- Joining "Non-Contiguous" line segments into one segment
- Draw-to-Flash Conversion
- Converting Gerber-to-Drill (if necessary)
- Building "Layer Sets" for blind & buried designs (if necessary)
- Running "Netlist Extract"

### **Analyzing your Data**

- How do perform netlist comparisons
- How to setup your DRC
- Using the "Multi-Pass" feature of DRC
- Browsing your DRC violations
- Using the AutoCorrect feature while browsing
- Creating printed DRC reports
- Marking up designs with the Redlining features



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## Tooling your Data for Fabrication

- Adding Teardrops
- Removing isolated and/or redundant pads
- Clipping silkscreen from pads
- Optimising your NC-Drill data
- Creating rout information
- Understanding, setting up, and running Panelization/Layer Spread
- Documenting and dimensioning your data with the Dimensioning features
- Exporting your finalized data sets

We suggest that you have accessible one or two designs that you are currently working on. This gives you the opportunity to work with the functions previously outlined, and ask specific questions related to your work.. We would also suggest that you send us samples of your designs **BEFORE** the training sessions begins to enable us to analyse the type of features that you encounter.



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