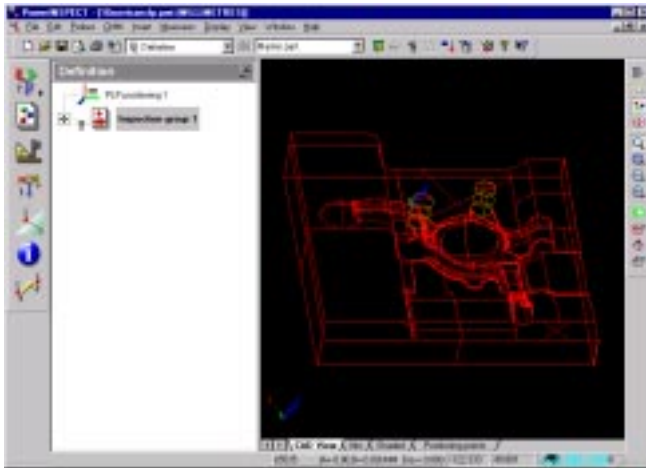


PowerINSPECT

Changing the Excel Template

Introduction

When you launch the Excel Report from PowerINSPECT ,



The Report is produced in Microsoft Excel.

It is started either with the

- Excel Report Button
- or with
- File- Generate Excel Report

you will produce an Inspection Report in Microsoft Excel.



An Inspection Report normally consists of:

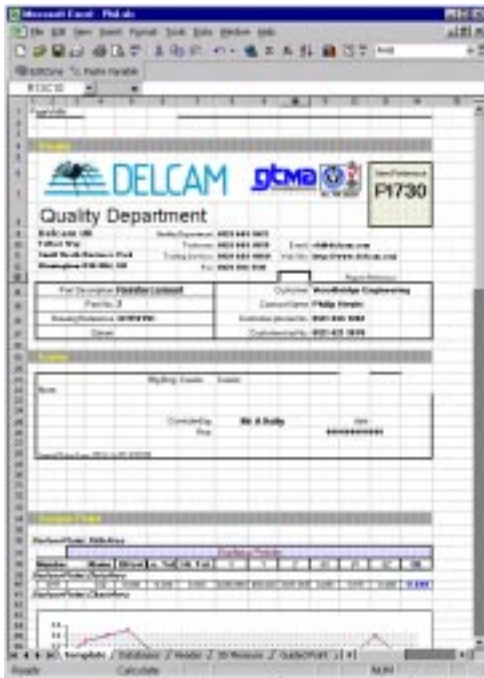
Information which is the same every time the report is printed

Information which sometimes changes for different parts or different customers

Inspection Results from PowerINSPECT- these are different every time

The Inspection Report follows a template created in another Excel spreadsheet.

The Excel Template spreadsheet determines the content and the layout of the Inspection Report.



This is a Template.

It is very similar to the report.

You can make changes to the Inspection Report by making changes to the Excel spreadsheet Template.

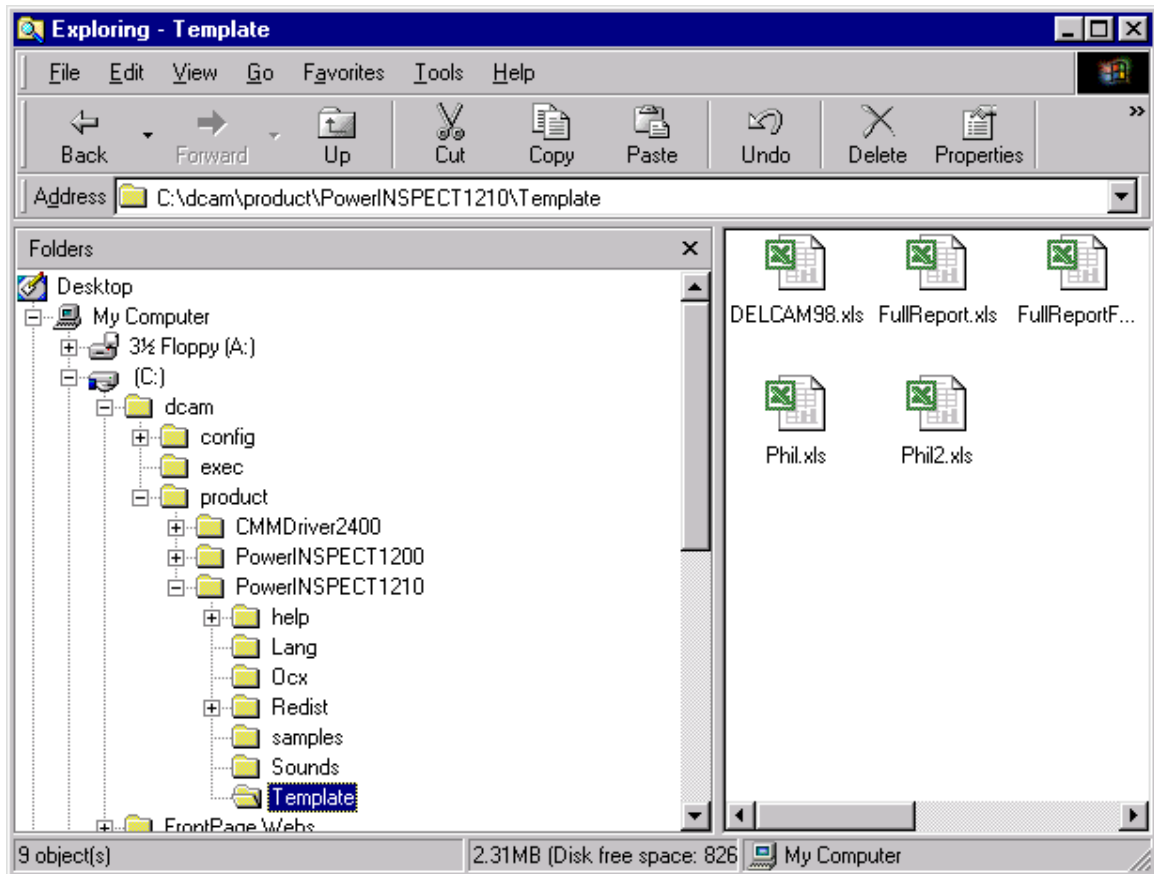
You can make new Inspection Reports by copying an Excel spreadsheet Template and making changes to the copy.

This document will show you how to make these changes to Excel Templates.

Where Files are saved

Any templates supplied with PowerINSPECT are in the same directory.

If you create any new templates, you should "Save as" in that same directory.



PowerINSPECT is normally found in C:\dcam\product

Within the PowerINSPECT folder there should be a sub-folder called "Template." This is where the Excel templates should be saved.

Important

If you open an Excel template file you will see a number of 'tabs' at the bottom of the window. Clicking on these tabs will allow you to transfer between different pages or 'worksheets' within the document.



The different worksheets have been carefully designed to produce reports on all the different inspection features in PowerINSPECT.

You should make changes to only two worksheets:

The Template (shown above), and
The Header (shown below)



Making changes to an Excel Report

As described in the Introduction there are three types of information in the Excel Report:

Information which is the same every time the report is printed

This includes things like your company logos, address and contact details.



Quality Department

Delcam UK

Quality Department: **0121 683 1075**

Talbot Way

Toolroom: **0121 683 1070**

E-mail: rit@delcam.com

Small Heath Business Park

Tooling Services: **0121 683 1060**

Web Site: <http://www.delcam.com>

Birmingham B10 0HJ, UK

Fax: **0121 766 5511**

Report No.

This information is often right at the top of the report and usually gives information about your company- not the contents of the report.

Information which sometimes changes for different parts or different customers

Description Reinforcement	Customer PI Pressings
Part No. 2	Customer contact E. Rossignon
Drawing Number DTRV751	Customer phone No. 0121 422 3675
Datum	Customer fax No. 0121 421 3670

This will usually identify who the report is for, and what part it describes.

It will normally be near the top of the Inspection Report (what we would consider the 'Header'), or at the bottom.

Note:

Controlled by: **Mr F. Scherrier** date
 Visa: 18 November 1999

Copyright Delcam France -1997 tel : Int+ 33 1 69 53 14 00

The layout and contents may need to change according to customer requirements, as the following examples show.

Description Reinforcement	Customer PI Pressings
Part No. 2	Customer contact E. Rossignon
Drawing Number DTRV751	Customer phone No. 0121 422 3675
Datum	Customer fax No. 0121 421 3670

Part Type Mould Main	Customer Woodbridge Fabrications
Item Reference ST1234/1234	Customer contact Mr I Buyer
Drawing Reference M99-151	Customer phone No. 0181 123 4567
0	Email mrbuyer@customer.co.uk

The actual contents of these sections are determined by the user in the PowerINSPECT session:

Properties sheets

Tolerances | Connection with MMTDriver

CAD File | Offsets_Tolerances | Variables

Excel Template File
 C:\dcam\product\PowerINSPECT1200\template\DELCA98.xls

A	B
Project	PI730
Part Type	Mould Main
Item Reference	ST1234/1234
Drawing Reference	M99-151
Thickness	1mm
Customer	Woodbridge Fabrications
Customer contact	Mr I Buyer

Memorise settings for next session

Template choice

Header information

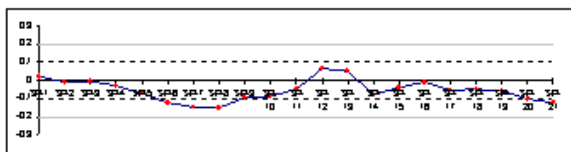
This is determined at the beginning of the inspection but can be modified later.

Inspection Results from PowerINSPECT

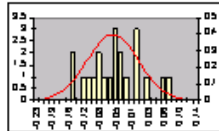
The actual PowerINSPECT inspection data is the third part of the report.

Surface Points											
Number	Name	Offset	U	Hi. Tol	U	V	Z	4X	4Y	4Z	DL
1000	SP-1	0.000	-0.200	0.200	26.385	-8.424	-28.418	0.011	-0.018	0.000	0.022
1001	SP-2	0.000	-0.200	0.200	-8.824	-32.192	-25.188	-0.003	0.004	-0.003	-0.005
1002	SP-3	0.000	-0.200	0.200	37.025	35.238	-6.818	-0.001	0.002	-0.001	-0.003
1003	SP-4	0.000	-0.200	0.200	-7.433	25.283	6.437	-0.002	0.018	-0.012	-0.020
1004	SP-5	0.000	-0.200	0.200	-26.224	33.843	30.258	-0.016	0.028	-0.026	-0.029
1005	SP-6	0.000	-0.200	0.200	-23.224	42.245	33.827	-0.011	0.005	-0.028	-0.028
1006	SP-7	0.000	-0.200	0.200	-102.048	-32.305	18.341	-0.023	0.004	-0.023	-0.042
1007	SP-8	0.000	-0.200	0.200	-49.858	23.633	18.728	-0.025	0.007	-0.027	-0.052
1008	SP-9	0.000	-0.200	0.200	-27.185	3.938	14.755	-0.045	0.004	-0.045	-0.059
1009	SP-10	0.000	-0.200	0.200	-42.251	23.884	2.207	-0.043	0.001	-0.049	-0.067
1010	SP-11	0.000	-0.200	0.200	-24.222	34.328	12.725	0.011	0.042	0.019	-0.048
1011	SP-12	0.000	-0.200	0.200	-46.826	11.874	6.554	0.024	0.042	0.032	0.052
1012	SP-13	0.000	-0.200	0.200	-28.884	24.418	17.788	0.048	-0.003	-0.032	0.052
1013	SP-14	0.000	-0.200	0.200	-23.882	24.726	-2.328	0.058	0.015	-0.056	-0.072
1014	SP-15	0.000	-0.200	0.200	-11.648	7.523	-3.423	0.024	0.005	-0.024	-0.048
1015	SP-16	0.000	-0.200	0.200	2.763	2.624	-5.424	-0.002	0.005	-0.005	-0.008
1016	SP-17	0.000	-0.200	0.200	-24.485	-15.188	-33.824	0.023	0.009	-0.044	-0.054
1017	SP-18	0.000	-0.200	0.200	-3.718	-2.547	-25.518	0.001	0.025	-0.023	-0.048
1018	SP-19	0.000	-0.200	0.200	13.824	24.263	-2.443	0.003	0.024	-0.046	-0.052
1019	SP-20	0.000	-0.200	0.200	17.745	48.541	6.113	0.008	0.016	-0.003	-0.003
1020	SP-21	0.000	-0.200	0.200	14.482	62.723	0.788	0.025	0.026	-0.195	-0.022

The inspection data consists of point coordinate data and graphs.



Number of points	21
Out of Tolerance points	0
Performance	100%
Mean	-0.052
Std. Deviation	0.060
Max. Value	0.065
Min. Value	-0.152



Normally only the presentation needs to be changed.

I Want To Make Changes to:

The Company Logo

This is:

“Information which is the same every time the report is printed”

There are two aspects to the company logo:

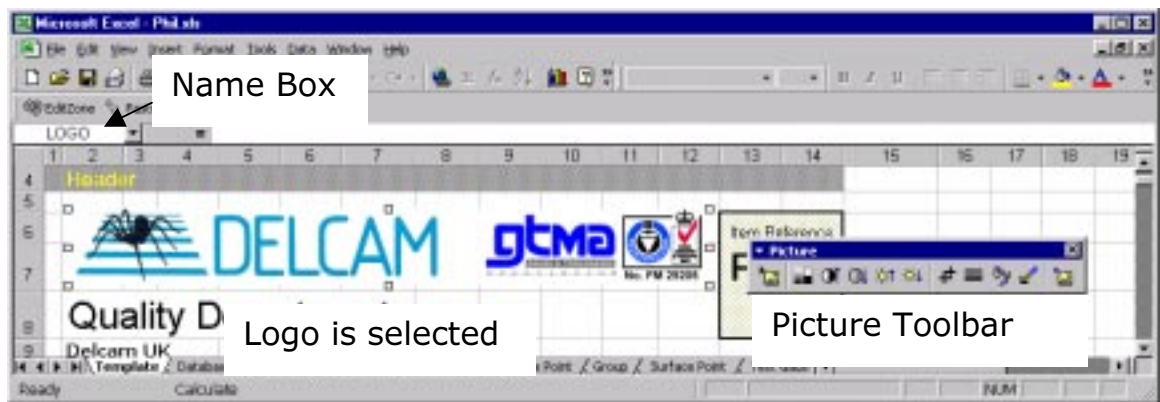
- 1 The picture file
- 2 The positioning in the template

The Picture File

Go into the 'Template' worksheet.



Find the logo picture



When you select the logo:

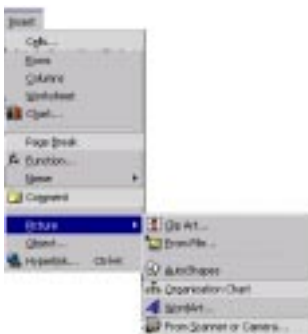
- 1 It will be surrounded with selection boxes
- 2 A Picture toolbar will be displayed
- 3 The "Name Box" will show "LOGO"

Changing the logo Picture

1 Delete the old logo



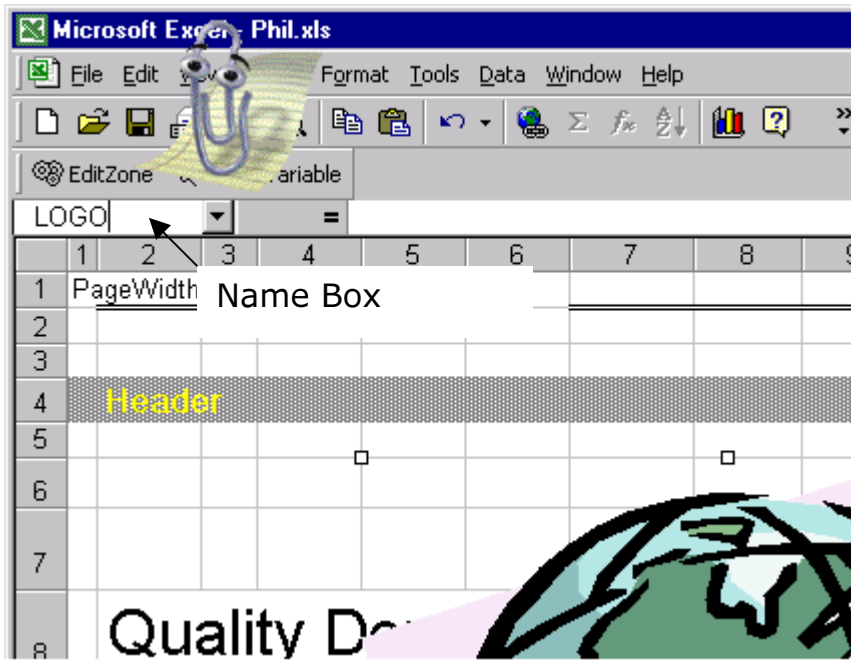
2 Insert a new logo with the Insert Menu



Choose the logo and insert it



3 Name the new logo "LOGO"



Type "LOGO" in Name Box

Resizing the Logo

The Template has custom features to allow you to make changes like this.

A toolbar has been provided for these features.



Click on "EditZone" to resize the logo.

This brings up the "Zone Edition" box.



Click on "LOGO Position"

The screenshot shows a Microsoft Excel spreadsheet with a report template. The spreadsheet has columns 1-14 and rows 1-20. The header section (rows 4-5) is shaded grey and contains the text 'Header'. The main content area (rows 6-13) contains a table with the following data:

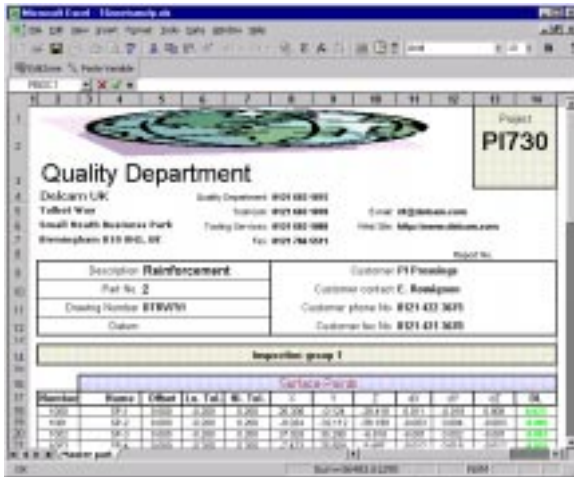
Item Reference	PI730
Quality Dept	
Delcam UK	
Talbot Way	
Small Heath Business Park	
Birmingham B10 0HJ, UK	
Part Description	Rein
Part No.	2
Drawing Reference	DTRV75
Datum	

The footer section (rows 14-19) is shaded grey and contains the text 'Footer'. A 'Zone Edition' dialog box is open, showing the 'Section' list with 'LOGO Position' selected. The 'Header.LogoPosition' field contains the formula '[Phil.xls]Template!R6C2:R7C11'. The 'Define' button is highlighted.

This will show where the logo is to be drawn. In this case the logo would be drawn in the highlighted box, from row 6 column 2 to row 7 column 11.

This is why the Header.LogoPosition box ends in R6C2:R7C11. It runs from row 6 column 2 to row 7 column 11.

Note that the logo will cover this entire area. If we print this report as it is now, it will come out like this.



The logo is scaled to fit the defined area.

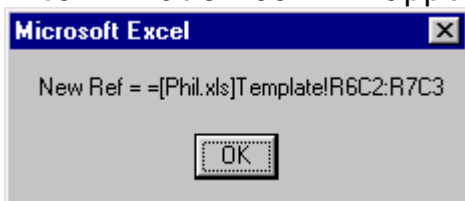
We need to redefine the logo area to keep the logo in proportion. We might use row 6 column 2 to row 7 column 3 for this logo.

Click on "EditZone" again and redefine a new area.



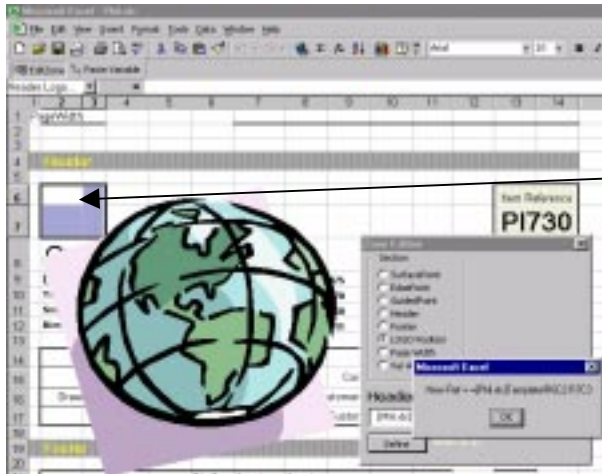
Click "Define" and this will change the area.

A confirmation box will appear.



Click OK and the area will be changed.

You then need to click on the X in the top left hand corner of the "Zone Edition" box to remove it.



This is the template.

The logo area is shown highlighted.

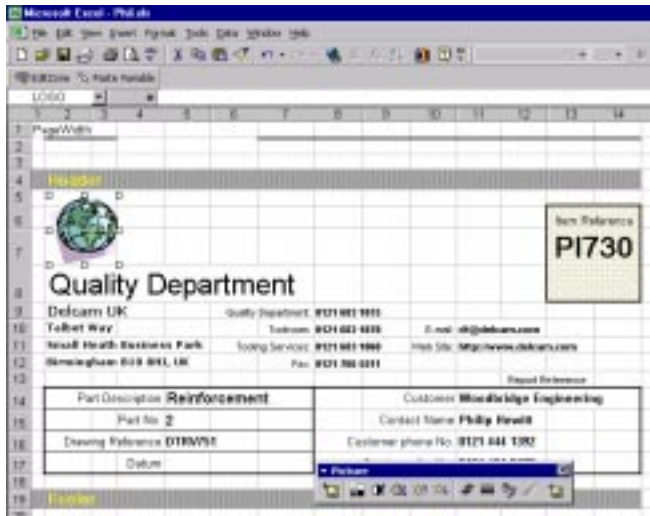
The logo will then fill this new area when you generate an Excel report.



This is the Excel Report as printed.

The logo fits in the area.

For ease of use it is worth moving and resizing the picture to fit approximately in the printing area, by dragging and clicking.



This is the template, with the logo resized by hand.

It is not actually necessary to do this- but it makes it a lot easier to understand!