



QCWIN

Quality Management System Introduction and Examples

QCWIN is an integrated quality management system with five modules that can operate independently covering the following activities:

- **Gauge Management**
- **SPC**
- **FMEA**
- **APQP (Control Plans)**
- **Supplier Quality Assurance (SQA).**

Users may choose any combination of these modules.

Program Outline

The basic system includes:

- System Administrators Program
- parts database
- suppliers database
- customers database

The **Gauge Management, FMEA and APQP** modules enable users to meet the requirements of QS9000 and TS16949.

The **Gauge Management** module includes R&R and linearity studies.

All Reports can be previewed on the screen prior to printing.

A comprehensive HELP system is included.

Additional Information

On-site training is provided together with remote technical support and upgrades. Our specialist consultants provide training on FMEA and SPC subject matter.

A full set of **manuals** in PDF format is included on the CD.

Installation

QCWIN requires WINDOWS XP, Vista or W7 to run and requires 80Mb disk space. Left-click the INSTALL button to run the SETUP program on the CD and follow the on-screen prompts. This will create a QCWIN2 folder. All the application files and folders are copied into this folder.

After installation, **QCWIN** will be included on your START program list. Log on as **SUPERUSER** with the password **HMCHMC**.

The evaluation system allows you to view reports but inhibits most of the hard-copy printing and will time-out after a few weeks.

Evaluation Examples

The database issued with this evaluation system includes some examples to help you to assess the package's capabilities. Some of these are listed below.

Menu Option **6 Files** is common to all modules. We suggest that you browse through these procedures first and look at the Parts, Customers and Suppliers data.

1. FMEA

1.1 The **FMEA Text Libraries** contain examples of standard descriptive elements used to build an FMEA.

The normal method used to construct FMEA documents is to create a library of generic process/design FMEAS and then assemble a complete FMEA by selecting building blocks from the library.

1.2 The assembled FMEA for part number **ABCD1234** is an example of this. You can review and change the building blocks and see the effect immediately in the assembled unit.

1.3 Use the PRINT and RPN buttons on the main FMEA screen to preview some of the reports.

2. APQP (Control Plans)

2.1 The **Control Plan Text Libraries** contain examples of standard descriptive elements used to build a control plan.

2.2 Part Number **00251-02077** has an example of a control plan. Select **Visual Aids** and **TESTINST** for an illustration of a works instruction with a picture which is included in the Control Plan. The works instruction, complete with picture can be printed and issued to the process operators.

2.3 Use the PRINT button on the main Control Plan screen to preview some of the reports.

3. SPC

3.1. Part Studies – Part number **PTN0004 – FORD STUDY 10** shows a variable moving range chart. Part number **ABCD1234** is an attribute study.

3.2. Variable Scratch Pads – FORD STUDY 1 is an example of an average/range chart. Note that in the evaluation version scratch pads have been limited to 100 subgroups so you may need to increase the subgroup size to look at all the data.

4. Gauges

4.1 EM123 is a typical example of a variable measurement gauge calibrated at fixed intervals and a subject for R & R studies.

4.2 WEARTEST has a typical fixed mechanical gauge wear chart.

4.3 REDUCE02 is an example of a gauge with recall based on actual issued time.

4.4 Calibration Check – lists gauges due for calibration in a specified period.

4.5 Calibration Analysis – lists gauges calibrated internally.

5. SQA

5.1. Deliveries – deliveries have been recorded for part Number **ABCD1234** and **PTN0002** with examples of links to certificates and documents. **PTN0002** is an example of a part with no control plan so inspection results are recorded freestyle. **ABCD1234** is an example of a part with a control plan which is linked to the Goods Inward inspection.

5.2 Supplier Performance – the **SURVEYS** button leads to supplier survey results and the **REPORT** button gives a range of vendor rating prints.

5.3 Supplier/Part Status – enables you to set the date for the next inspection of a particular part.

6. Files - This menu option is always available whatever modules are in use and is the first for data entry.

6.1 Parts – these form the basis for FMEA, CONTROL PLAN documents, SPC studies, gauge checks and SQA inspection. Characteristics are usually an essential part of these. Diagrams and pictures are optional.

6.2 Customers – a few entries have been made to demonstrate the amount of information that can usefully be recorded. The minimum requirement is a customer name

6.3 Suppliers - a few entries have been made to demonstrate the amount of information that can usefully be recorded. The minimum requirement is a supplier name. Suppliers can be approved in which case they appear in the SQA deliveries lists.

6.4 Flags – use the 6.6 Settings window to switch CHANGE FLAGS on and off. This is a system to communicate notice of significant changes between users.