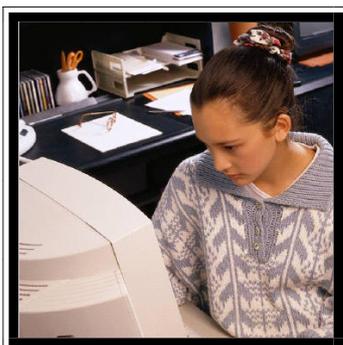




e-maC^s = Manufacturing Control Software.

e-maCs features:

- Manufacturing Control.
- Purchase Orders.
- Stock Control.
- Financial Management.
- Point of Sale.



R.L.P. Manufacturing Control System

File Window Add to Favorites Go to:

R.L.P. MCS XP

- Purchase Orders
- Order Processing
- Orders
 - New Order
 - Amend Order
- Invoices
- MPCs
 - Current
 - Completed
 - Edit MPC Details
 - Deliveries
 - Progress
- Customers
 - Boards
 - New Board
 - Amend Board
 - Sub Assemblies
 - Items List
 - Stock Lists
 - Route Cards
- Hourly Analysis
 - Cost Entry
 - Hours
 - Outwork

Orders

R.L.Pidduck ATE & Test Aids Ltd.
Manufacturing Route Card No: 16277

Order Number: [] Buyer: []

Customer: [] Order: [] Detail No. Range: []

Subcontract: [] Board Name: [] Board/Spec/Part Number: []

Drawing No. [] Item Bar: []

Total Quantity: [] Qty. [] Qty. Transferred: [] Tr. []

Stock Quantity: [] Qty. [] Qty. Transferred: [] Tr. []

Stock Value: [] Inventory: []

Order Stage	Description	Batch	Date	Remarks
1	Component assembly			
2	Order			
3	Final			
4	Final inspection			

© 1997-2002 R.L.Pidduck ATE & Test Aids Ltd.

QAF1
Board 10
File 102

Select Customer N.M.

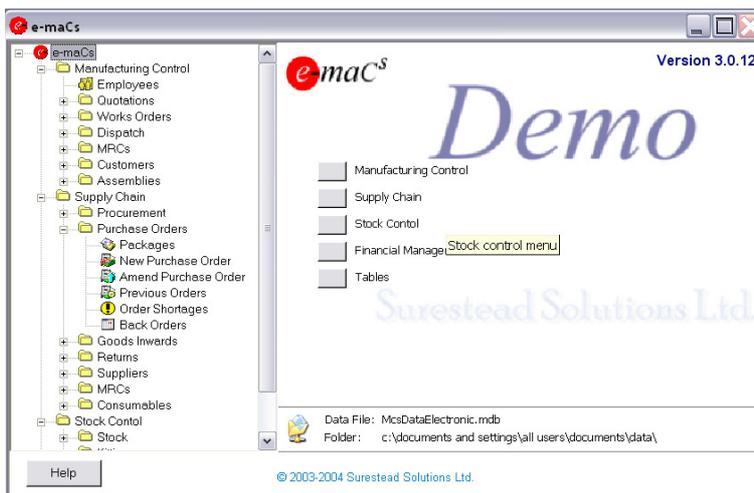
Introduction:

A modern company requires modern methods of control. e-maCs is a business management system tailored to fit Small and Medium Enterprises (SME). Within such organisations the required interchange of information between departments can cause duplication of data and the obvious consequences. By collating the data into a central store and allowing users specific rights to view or modify that data, only one record is kept, so that the right people can see the right information.

e-maCs does this.

As can be seen in the following pages this is a system that can be as big or as small as you need - it can manage product manufacture, and tell you how much you are owed - even which jobs are profitable. The benefits of running such a system can include full control of documentation - essential for BS EN ISO 9001. e-maCs has

been designed to suits businesses up to medium sized, and runs on industry standard PC's using Windows XP, 2007 & 8 and removing the need for an expensive hardware upgrade. Based on Microsoft® products, this system is geared up to take your business where it wants to go, and in control.



Intuitive user interface

Contents:

Page 3: Manufacturing Control.

Page 4: Purchase Order.

Page 5: Stock Control.

Page 6: Financial Management.

Page 7: Time and Attendance.

Page 8: Point-of-Sale.



Suited to all kinds of manufacturing

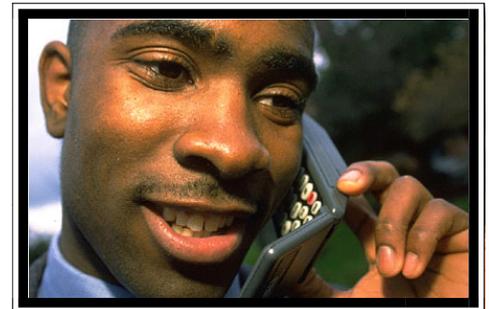


Manufacturing Control:

After raising a quotation the next most important feature is to control your work. Proper control will determine the quantity and quality of any (and all) of the product you will process. This is why it is essential to make sure that the information on the Customer purchase order (the sales order) describes fully what you expect to do, how much you will be charging and when you will be delivering it.

e-maCs uses the information off the Customer Order and issues the appropriate manufacturing route card (MRC) to suit the product to be manufactured. It allows you to monitor the progress of the work, and check how many items have been delivered to the customer at any time - even which deliveries you have been paid for. The product is controlled from conception to delivery and invoice - without dictating or changing the style of operation that you want to use.

Product identification is a pre-requisite for ISO 9001. e-maCs provides the solution to this identification by uniquely identifying every production batch (including serial numbers, if provided) keeping the ISO auditor at bay. Product held in quarantine is identified and visible enabling you to deal with issues such as these in a timely and controlled manner.



“Promotes good customer liaison”

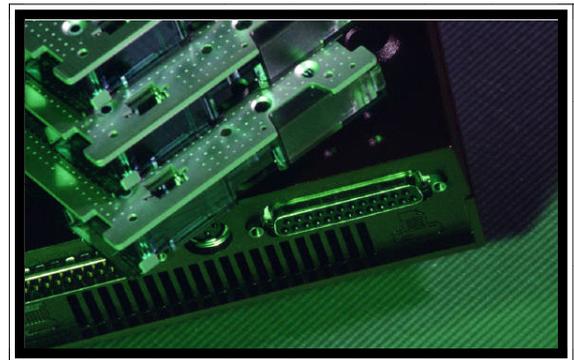
Route Stage	Operations	Initials	Date	Remarks
1	Component assembly			
2	Solder			
3	Finish			
4	Final inspection			

Purchase Order:

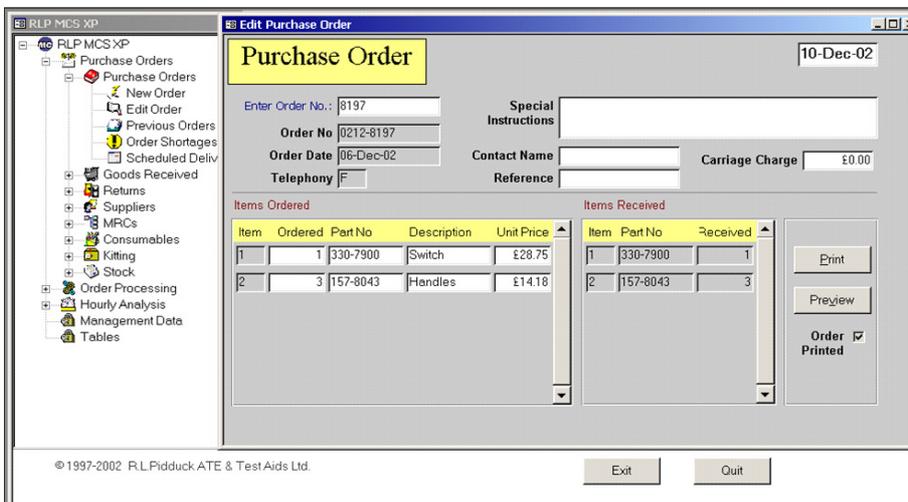
Purchasing requirements are dictated by Sales orders. In turn, bill of materials (BOM) systems control what is required to make a product. In a modern business system, keeping minimum stock levels are often the most efficient use of capital, making the link between what's in stock and what is needed absolutely critical. One missing component keeps the whole job sat on your books rather than keeping you, your customer and your bank happy. Import links to CAD systems for BOM's within e-maCs can make that relationship for you. Minimum stock and reorder levels are an important part of the Purchase side of e-maCs keeping a balance between sensible stock and efficient buying.

The link between purchasing and ISO 9001 auditing is very important. Maintaining the records of purchase order requirements and deliveries is a significant reason for minor (and major) discrepancies in buying office audits. If it can be demonstrated clearly that all of the required procedures have been adhered to by using e-maCs, the auditor will merely be looking at computer records rather than comparing pieces of paper.

Clear relationships must be demonstrated between why purchase orders are raised and who authorized them, and must stand up to the demands of multiple users that may want to order at any time. Automatic number allocation and date stamping keeps the manual intervention to a minimum and drives some way towards a paperless office. To be kind to the environment and reduce the paper mountain that can develop, items such as Orders can be faxed, sent by mail, telephoned or even sent by Email, but are still managed and controlled by the system.



Full BOM enabled system.



Visibility of purchase order.

Less paper—
not paperless!



Stock Control:

A company will be judged by its performance and “zero defect” rating. To achieve this accurate, efficient stores and stock control procedures must be adhered to.

e-maCs delivers this by monitoring all of the most important factors in the system. Whether your stock is electric motors, plastic sheeting or resistors the critical information can be tracked. Stock is differentiated by that available in stores, or the residual of that actually being used on the work place. This permits accurate scrap and excess monitoring to keep the manufacturing lean and efficient.

e-maCs is suited to manufacturers that operate a full procurement system where they buy or make all of the individual components, or that of a sub contract operation carrying out assembly using a free issue kit. Each is treated in a different and original way to suit the different demands imposed on its organisation.



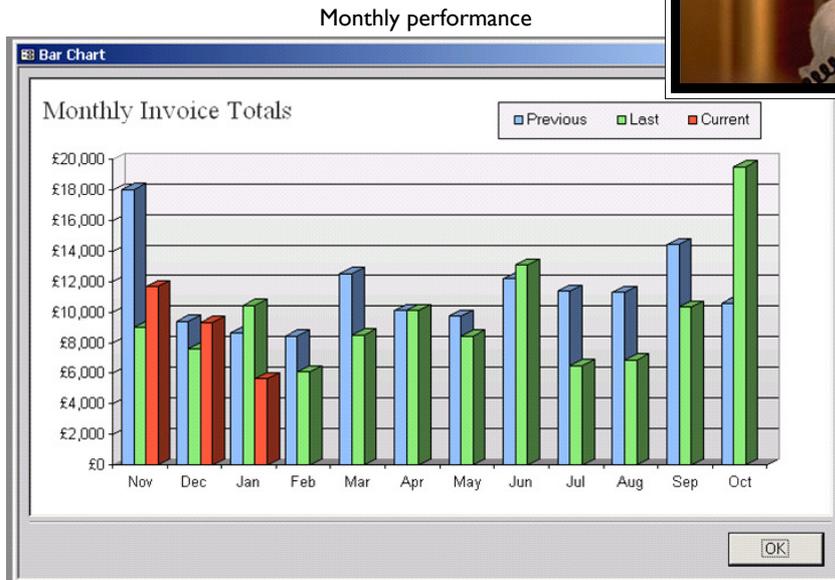
Efficient stock monitoring

Efficient monitoring of stock with minimum level reordering and automatic generation of consumable parts makes e-maCs an essential part of any organization that wants to grow and stay in control of its inventory.

Part No	Description	Value	From	Stores	Shop Floor	Date
0P9700011C	Drg	CHANNEL ROUTING		1400	0	11-Nov-02
11625100	Resistor	film 10kD 5%		22400	0	11-Nov-02
1163347X	Resistor	film 470R 1%		5600	0	11-Nov-02
33DAK16C	Pushbutton	7.5MM 6PCD ALT ALPS		5600	0	11-Nov-02
41CEA9Q2	LED	RED		5600	0	11-Nov-02
6089700XC	PCB	CHANNEL ROUTING		249	0	11-Nov-02
82NWR042	Label	SSL REV 2		1400	0	11-Nov-02
82NWTG9M	Label	ASSEMBLY/REVISION/WO		1400	0	11-Nov-02

Stock movement analysis.

Financial Management:



Financial tools aid effective decision making

The Company owner or manager has to make decisions based on the information he or she is able to get. e-maCs

allows that person to see exactly how their business is performing, whether on a monthly output chart, or by an aged creditor listing. The predominant reason for being in business is to make money. To be able to monitor how long customers take to pay their bills and make critical business judgments, using live, up to the moment information is a desirable feature in any business. e-maCs gives that visibility at a price to suit the most cost conscious decision maker.

The same data used to generate invoices is used to provide high quality charts clearly demonstrating performance and giving accurate costing of current and past work. Laser quality reports can be printed for items such as invoices, credit notes and a range of useful documentation.

Items such as labour and sub contract are broken out to give the best possible analysis of your business, where and when you need it.

Customer	3+ Months	2 Months	1 Month	Current	Total	Credit Limit/Over
FREEMAN	£0.00	£1,659.10	£0.00	£1,451.70	£3,110.80	£20,000 <input type="checkbox"/>
STEWART	£0.00	£0.00	£1,941.74	£4,421.23	£6,362.97	£20,000 <input type="checkbox"/>
TRAVISS	£0.00	£12,044.92	£9,033.69	£314.60	£21,393.21	£30,000 <input type="checkbox"/>
WOODAGE	£0.00	£0.00	£0.00	£434.75	£434.75	£20,000 <input type="checkbox"/>
Total (Inc.VAT):	£0.00	£13,704.02	£10,975.43	£6,622.28	£31,301.73	

Record: 1 of 4

Effective credit management



Time and Attendance:

To be truly competitive, any company must benchmark its operation. By monitoring work already carried out based on the hours attributed to an individual job, e-maCs can provide detailed analysis clearly showing the performance achieved in a financial rate per hour figure. Work can be grouped by date, type, customer or many other indicators. Once this is known, decisions can then be made to offset poorly performing areas, possible by the retraining of operators, or simply

Performance quotient analysis

Customer:		Customer	Total Hours	Total Price	Yield/h			
Between:		01/01/2002 and 13/12/2002	18,126.50	£316,370.46	£17.45			
MRC	Board No.	Board Name	Quantity	Hours	Outwork	Adj.Price	Job Total	Analyse
16330	123456	Description	14	9.00	£0.00	£5.46	£76.44	
16329	123456	Description	56	7.00	£0.00	£4.25	£238.00	
16328	123456	Description	5	11.25	£0.00	£53.75	£268.75	
16323	123456	Description	4	22.75	£0.00	£28.44	£113.76	
16317	123456	Description	5	23.25	£0.00	£81.39	£406.95	
16316	123456	Description	1	7.00	£0.00	£28.60	£28.60	
16305	123456	Description	3	24.00	£0.00	£102.30	£306.90	
16303	123456	Description	1	3.75	£0.00	£26.65	£26.65	
16302	123456	Description	9	13.75	£0.00	£14.85	£133.65	
16298	123456	Description	4	5.00	£0.00	£34.98	£139.92	

highlighting an incorrect assessment at quotation stage. The most important aspect of this is being able to identify and subsequently rectify the problem.



Getting the best out of your staff by having benchmarking methods that can be produced without individuals being unfairly treated is another target towards the lean and efficient manufacturing goal.

e-maCs shows this information clearly for the benefit of the user, whether a business owner with privileged information or an operator only being able to see parts that are relevant to them. Clarity of presentation and the familiar Windows® based interface make this e-maCs package easy to use and understand.

e-maCs shows this information clearly for the benefit of the user,

Note: This module is not included in the standard package - please contact Surestead for details.

Select Person:		L028	Code:	L028	Standard Hours:	39		
Name: Marian Moroney								
Week								
MRC No	Description	0249	0248	0247	0246	0245	0244	Total
16307	629111X1	6.5	0	0	0	0	0	6.5
16263	A20552	13.75	36.75	37.5	40.25	41.75	0	170
15871	A76152-09*OP1	14.5	0	0	0	0	0	14.5
15170	A79219-04S	2.5	0	0	0	0	0	2.5
16149	A20552	0	0	0	0	0	43	43
Total:		37.25	36.75	37.5	40.25	41.75	43	
Overtime:		0	0	0	1.25	2.75	4	

Operator performance analysis

For more information call: 01420 477964

Point-of-sale:

e-maCs links stock control and financial management together with a retail system that combines simplicity for those less used to computers and powerful routines for stock identification, replenishment, procurement and includes all of the things you would expect such as invoicing and till reconciliation.

By using a “no mouse” style of operation e-maCs is the easiest package to use. By using a bar code reader the Point-of-sale screen can be operated using just 2 keys. e-maCs clearly shows the customers shopping basket, including values and a total avoiding nasty surprises. This wizard brings the benefit of minimal training: so important when using part time operators. Automatic generation of barcode labels can be configured to suit the product being sold so that the system really works for you.

All of these ease-of-use features do not diminish the capability of the package. Powerful drill-down to stock lists and product back order information is available to the slightly more experienced user, along with the availability of an account customer facility with customised invoicing techniques permitting grouped invoices and discounts.

e-maCs has facilities for regular customers such as “loyalty” schemes where a controlled discount can be offered without losing control. Alarms can be configured to avoid selling close to, or below cost price where margins are tight. As e-maCs runs on any standard PC, the hardware costs can be minimal even when the system is networked to more than one PC.



Point of Sale [Full Screen] **Your Company Here**

**** New Transaction ****

<< Back Next >>

Enter Items

Stock No.

Quantity

Unit Price **£27.56**

Item **Light**
Aqua Star Port Small

New Item

Enter stock or part number using barcode reader.

Transaction Items:

Light	Aqua Star Port Sma 1	£27.56
-------	----------------------	--------

Net: **£27.56**

Discount: 0 % **£0.00**

Net After Discount: **£27.56**

VAT: **£4.82**

Gross: **£32.38**

© 2003 Surestead Solutions Ltd.



Surestead Solutions Ltd.
PO Box 147
BORDON
Hampshire
GU35 9XL

Phone: 01420 477932
Email: sales@surestead.co.uk
Web: www.surestead.co.uk

Other Surestead Solutions Software products:
PharmaPMS.
Pharmaceutical Portfolio Monitoring System

ONeLine

Automatic Inspection monitoring.
Users: Matsushita Communication UK
Pioneer UK
Tunstall Ltd.
PAB Ltd.

Solutions provided for other companies:
Orbotech OptiGraf™ : Surface Mount performance monitoring.
In excess of 130 users worldwide