Manufacturing & Production Control Software

Cadlay MRP is an application developed through years of experience in the manufacturing and production industry.

The extensive functionality has been designed by people with real world experience in manufacturing; people who know exactly what an application needs to deliver to make a difference.

Developed specifically for small to medium sized businesses, the system delivers a seamless flow of functionality from initial customer enquiry through to despatch and invoicing.

Designed with and rolled out on Microsoft architecture, it delivers a familiar user interface which facilitates a fast learning curve.

The modular design of the system makes it easy to get to the data, reports or functions you need.

Cadlay-MRP can be tailored to suit your precise requirements (Bespoke)

Why Buy?

In today's financial climate, it is essential to maximise productivity while minimising costs. Our clients have all seen significant reductions in administration, substantial improvements in their customer response times and an overall increase in productivity which would not have been possible without Cadlay-MRP.

Cadlay-MRP System Scope	
Enquiries & Quotations	Production Control
Customer & Supplier Orders	Goods In Control
Delivery Note & Invoices	Drawings & Document Control
Customer & Supplier Parts	Dynamic Shortage Lists
Bills of Materials	Exports to Sage
Automated Kit Buying	Cash flow reports and projections
Dynamic Stock System	Multi Currency
Full GRN Traceability	Multi User
Bespoke - Can be tailored to your needs	On-Site Training

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Client **Testimonials**

"The system supplied by Cadlay has streamlined our administration no end. Our staff are no longer bogged down with tedious paperwork and are far more productive. Since investing in Cadlay-MRP, our planned increase in staff levels was not necessary which has saved us at least two salaries every year."
Jamie Fuller, Director – GK Services

"The system is simple to use and really helps keep my finger on the pulse. I know exactly what is happening, where my priorities are and what to chase up on."
Christine Wood, Sales & Marketing – Chemring EOD

"We needed a full system and thought long and hard before deciding to make the investment and were so glad we did. It's enabled us to concentrate our efforts on building the business rather than wading through reams of paperwork just to support the business. Administration used to take hours, now every report I need is a couple of mouse clicks away."
Sam Drury, Director – Impress Sensors

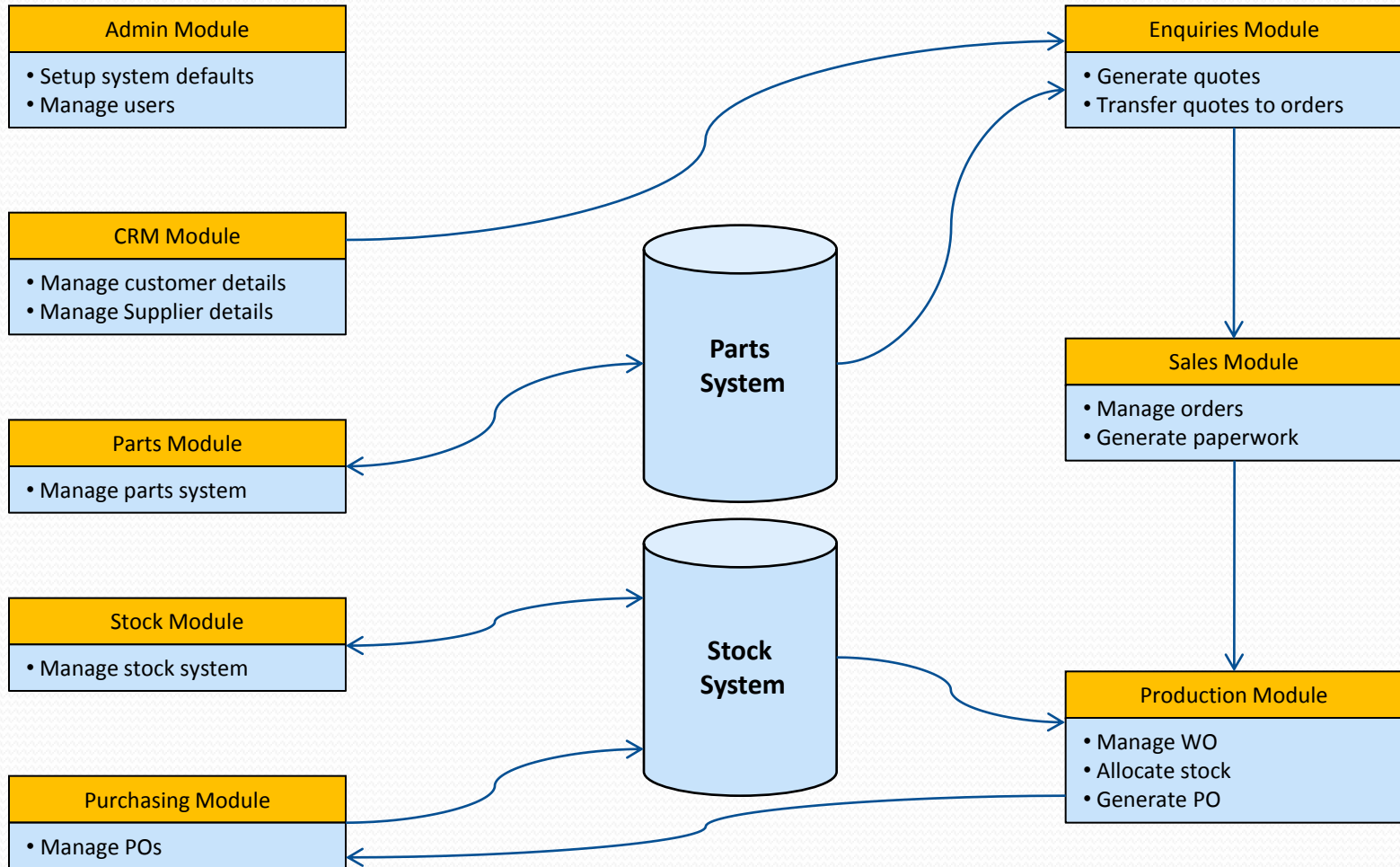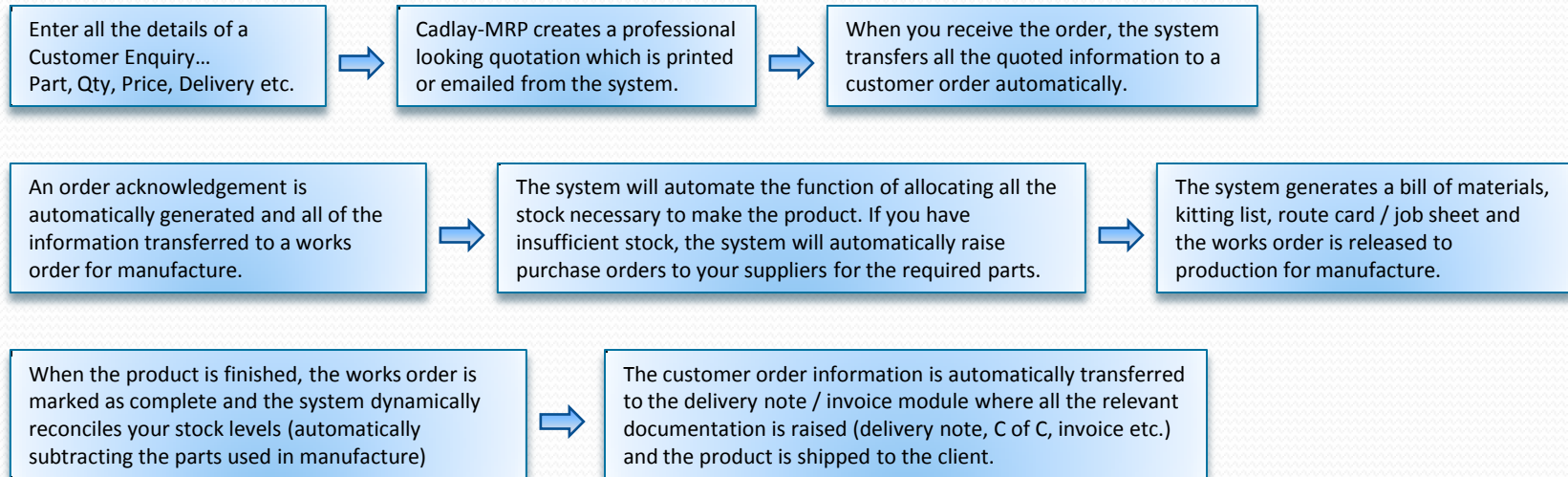| Our client base represents a wide range of market sectors including… |
| --- |
| Electronic component manufacturers & distributors |
| Component kitting companies |
| Printed circuit board assembly companies |
| Sheet metal fabrication |
| Room & equipment hire for training and presentation |
| Defence equipment manufacturers |
| Pharmaceutical & Cosmetics Manufacturers |

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Core Modules

Admin Module
- Setup system defaults
- Manage users

CRM Module
- Manage customer details
- Manage Supplier details

Parts Module
- Manage parts system

Stock Module
- Manage stock system

Purchasing Module
- Manage POs

Parts System

Stock System

Enquiries Module
- Generate quotes
- Transfer quotes to orders

Sales Module
- Manage orders
- Generate paperwork

Production Module
- Manage WO
- Allocate stock
- Generate PO

How it **Works**

Here is the flow of information through the system for a company who receives an order from their client which needs to be quoted, acknowledged, manufactured, delivered and invoiced…

Enter all the details of a Customer Enquiry…
Part, Qty, Price, Delivery etc.

→

Cadlay-MRP creates a professional looking quotation which is printed or emailed from the system.

→

When you receive the order, the system transfers all the quoted information to a customer order automatically.

An order acknowledgement is automatically generated and all of the information transferred to a works order for manufacture.

→

The system will automate the function of allocating all the stock necessary to make the product. If you have insufficient stock, the system will automatically raise purchase orders to your suppliers for the required parts.

→

The system generates a bill of materials, kitting list, route card / job sheet and the works order is released to production for manufacture.

When the product is finished, the works order is marked as complete and the system dynamically reconciles your stock levels (automatically subtracting the parts used in manufacture)

→

The customer order information is automatically transferred to the delivery note / invoice module where all the relevant documentation is raised (delivery note, C of C, invoice etc.) and the product is shipped to the client.

During these 8 key stages in the process, the system has logged all the information necessary to produce detailed reports and analysis.

Because all the parts necessary to manufacture the product have been allocated to the works order, the system can calculate the cost of manufacture. By cross correlating the sales value from the related customer order, Cadlay-MRP can produce detailed cost & sale reports to show profit per sale, per customer or per part within a specified time period. These reports, which would normally take hours to compile are available at the click of a button.

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Stock Module

One area which sets Cadlay-MRP apart from other MRP systems is its dynamic stock system…

"Dynamic" means that the stock system takes care of itself without the need for manual intervention or hours of data entry.

• Stock levels are incremented automatically from purchase orders and works orders.
• Stock levels are decremented automatically from allocations to works orders and allocations to customer orders.
• You can specify which stock records (GRNs) are allocated to which orders thus ensuring an efficient distribution of stock.
• A variety of reports can be produced at the click of a button - stock shortages, stock valuations, stock usage reports etc.
• The stock level for a particular part can be made up of many stock records, each containing the quantity, price and source of the stock such that stock valuations are accurate (not based on an average) and fully traceable with unique GRN numbers.

This diagram shows the dynamic integration of four modules within the Cadlay-MRP fully automated stock system…

When you create a purchase order or a works order, you are buying or making an item. These items are automatically added to the stock module.

When you ship a customer order, all the items used to make the product including the stock record for the finished item itself are automatically decremented from the stock module.

The incrementing and decrementing of stock levels requires no manual input whatsoever as it is fully automated.

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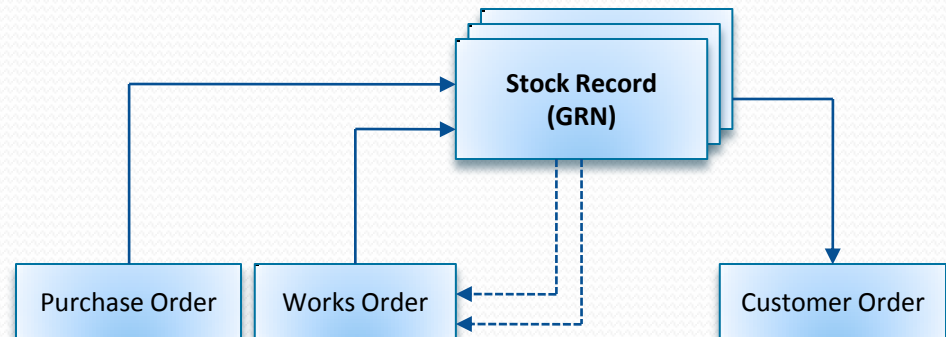
System Modules

CRM (Contact Relationship Management)
The CRM module stores all the details of your customers and suppliers. For each customer or supplier, you can enter multiple contacts.
You can also add multiple delivery addresses for each customer then simply choose the appropriate address when shipping orders. Other fields include market sector category, currency preference, approved supplier status and quick links to email functionality.

Database Admin Module
Cadlay-MRP is a multi-user network based database system. From the database admin module you can add/edit user details including login passwords, administration levels and module access rights. The admin module also stores all of your default field values such as current VAT rate, document disclaimer text (for the footer of your quotes/acknowledgements/invoices etc., currency exchange rates and much more. You can also create backups of your data within this module to keep your information secure and protected.

Parts Module
Cadlay-MRP contains an extremely comprehensive, yet simple to use parts database.
The parts database stores detailed information on each part you buy or sell. You can easily add user defined attributes, individually or from a stored template, to each part to make it easy to search for parts. The parts history tab shows sales & purchasing history for the part which facilitates quoting and purchasing plus what products it is used on and quick links to stock information.

Enquiry / Quotation Module
Entering the details of an enquiry couldn't be simpler. Select the customer and contact then enter the parts you are quoting. You can select stored price entries for each part or see previous sales and cost history to aid pricing. Prices can be entered in multiple currencies using the default exchange rate which can be overwritten. Currency exchange rate and VAT rates are stored with each enquiry giving you total flexibility.
The quote document is created automatically and can be emailed as a PDF file directly from the enquiry module. Enquiries are marked as "live" until you convert it to an order or set it as "lost". You can enter reasons for not winning the order to keep track of your win/loss scenarios. Detailed quote analysis reports can be generated with easy filtering on customer, part, date range, live status and more.

Sales Order Module
Transferring a quote to a sales order takes seconds as all the information you previously entered is automatically transferred. Just enter the order number and delivery dates then email the automatically generated order acknowledgment to the client. You can quickly view outstanding orders, track delivery performance and view detailed reports and sales analysis.

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System Modules

Production Module

Works orders instruct production to manufacture a part. Works orders can be manually added (building for stock) or transferred from a customer order. Links to customer drawings and manufacturing documents can be stored within the database and printed along with the job sheet. The works order form shows a list of parts required to manufacture the product (bill of materials). You can allocate each line on the bill of materials from current stock or automatically create purchase orders to your suppliers. Stock allocations, purchase orders and labour costs are stored with each works order record so you can view an accurate cost to manufacture the product and see costs associated with previous builds to keep track of your performance. Various reports are available in this module including production lists, kitting lists, part shortage lists and performance analysis.

Purchase Order / Goods In Module

Raising a purchase order is a simple as creating a customer enquiry or sales order. Simply enter the supplier and contact then add lines to the PO for each item you require. Once you select the part you are buying, you can select stored supplier part prices or view previous purchasing history. A purchase order record is marked as "open" until you close it by sending it to your supplier. Open purchase orders are automatically added to via the works order bill of materials allocation system. The works order module will continually add lines to open purchase orders until at some point in the day, you close all the open purchase orders by sending them to the supplier. This automated integration between production requirements and purchasing saves valuable time and negates the possibility of ordering the wrong part or quantity.

The goods in module works by selecting the relevant order from the outstanding orders list. You can then receipt a single line, multiple lines or the entire order. Each line item is given a unique GRN number for traceability and you can record the suppliers delivery note number and enter a stock location for the related stock record. If the parts are required for a works order in manufacture, the goods in department can view a list of allocations showing which work orders require which parts such that they can be distributed to the correct place.

Delivery Notes & Invoice Module

When a product is ready to ship, you simply select the relevant sales order and the system transfers the information to a delivery note / invoice record. You can split deliveries and send partial shipments with ease. As with the other modules, the delivery note, invoice, C of C etc. can all be emailed as a PDF file directly from the system to your client. Although Cadlay-MRP is not a financial control system, it does automatically produce invoices to avoid data duplication and can export the invoice data into Sage or any other financial software that can import CSV files.

Stock Module

The dynamic stock module is explained in detail on a previous page of this document.

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Screen Shots

Stock Control Module

Stock list filters

Tasks pane containing common function buttons and links to reports

Allocations for selected record

Stock totals breakdown for selected GRN

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Screen **Shots**

Detailed Parts Entry Form

Part Fields

Part Description Entries (attributes)

Enter as many attributes as you
need to describe a part.
The parts module allows you to
search the parts database on these
descriptions and values.

If you have lots of parts with similar
attributes, you can create templates
with default values to import into
each part.

Parts Entry Form

Part Number	000-000-005
Issue	☐ Old Issue
Category	MATERIAL
Extra Description 1	30mm DIA MILD STEEL ROUND BAR
Extra Description 2	
Stock Units	mm
Purchase Order Adds Part to Stock	☑

Part Description Entries

Description	Value	Note
Material	Mild Steel	
Diameter	30mm	Outside Diameter
Galvanised	No	

Import Description Template

Part Sales Prices

Price Description	Price
20 OFF PRICE	£36.50
50 OFF PRICE	£29.70
100 OFF PRICE	£19.52

Notes
Must be stored on HD racking - Rows A-C Only

Part History | View Bom | View Supplier Parts | Cancel | Save

Stored Sales Prices

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Screen **Shots**

Delivery Note / Invoice Record

Main Invoice Fields

Lines on the delivery note / invoice record entered automatically from the sales order

Printing / Email Options

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Screen Shots

Professionally designed reports at the click of a button

Contact **Details**

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