



# SUPPLY CHAIN MANAGEMENT

SOLUTIONS THAT MAKE A DIFFERENCE





# SYSTEM OVERVIEW

Dataflow Supply Chain Management is a fully-featured ERP solution designed for the specific needs of today's manufacturing and distribution companies. Businesses that have already chosen to implement Dataflow have realised a range of benefits, including:

- Faster response times, leading to an increase in customer satisfaction and retention
- Lower operational costs, enabling price reductions to be passed on to customers

Dataflow features multi-warehouse, multi-site workflows that are ideal for all types of distribution or pick-and-pack operations.

Businesses using Dataflow are able to manage the most complex of builds and recipes, from make-to-stock, make-to-order process and make-to-forecast.

Dataflow Supply Chain Management integrates seamlessly with Dataflow Financials and Purchase Order Processing; allowing you to choose the functionality that best suits your business.

# FEATURES

## MULTI-CURRENCY

If you trade internationally then you will find the multi-currency features in all Dataflow modules appealing; particularly where invoices are raised or received in one currency and settled in another. Multi-currency transactions are handled effortlessly, with exchange rate gains and losses processed automatically.

## MULTI-LOCATION

Dataflow provides support for an unlimited number of warehouse locations; boosting productivity, improving accuracy and reducing costly returns.

## VISUAL ENQUIRIES

These simple, point-and-click enquiries make it easy to identify stock levels and track stock movements. Stock items and transactions can be searched, sorted and filtered to control on-screen detail. Stock movements and transactions can be browsed by period or ranges of periods and users can drill down and across the database for an overview of the entire distribution cycle.

## PRICES & DISCOUNTS

Dataflow includes a comprehensive range of standard and user-defined options for pricing and discounts; including:

- Quantity breaks
- Start and promotional dates

- Price per unit of measure
- Multi-currency pricing

Dataflow also supports an unlimited number of price bands, corresponding to customer and supplier price and discount matrices.

## TRANSACTION ROLLBACK

Dataflow solutions feature transaction rollback to protect the integrity of your data. Should an unforeseen problem, such as hardware failure, occur mid-process; Dataflow rollback will restore your data to a safe point.

This eliminates the need for a time-consuming, system wide restore.

## UNLIMITED HISTORY RETENTION

One of the key features of Dataflow is the ability to maintain your history for as long as you need it, without impacting on systems performance. This ability to run retrospective reports negates the need for hard copy archives that take up valuable office space.

# WAREHOUSE APPLICATION

Dataflow has developed a companion Warehouse Application for tablet and smartphone use, enabling you to fill orders faster, improve accuracy and prioritise the movement of your goods.

The Dataflow Warehouse Application allows you to consolidate your inventory systems into a single, integrated warehouse inventory control solution. Users can efficiently manage every stage of the product lifecycle and gain greater control and insight of inventory operations.

The app is easy to use, with an intuitive interface and simple workflows. By streamlining and automating inventory management processes you can reduce errors, increase efficiency and save both time and money.

**“WE HAVE TOTAL FAITH IN DATAFLOW FOR ACCURATE STOCK CONTROL AND SMOOTH RUNNING OF OUR ORDER FULFILMENT MANAGEMENT SYSTEM.”**

MANAGING DIRECTOR, PARSIA INTERNATIONAL

## KEY FEATURES

- Manage your entire warehouse inventory
- Track goods coming into the warehouse
- Check warehouse storage conditions
- Fully integrated with the rest of Dataflow software
- Pick & pack authorised & released sales orders
- Generate delivery notes & returns
- Extensive search facility, including barcodes
- Make use of barcodes to eliminate shipping mistakes and improves stock take
- Over 99% picking accuracy
- Real-time information on productivity and order work status

# STOCK CONTROL

Dataflow facilitates the efficient and accurate management of stock levels, minimises excess or obsolete inventory and helps improve cash flow. With a rich set of features, Dataflow helps businesses to balance the availability of their products and provide a better quality of service to their customers.

Dataflow manages a range of costing methods and multiple warehouses effortlessly. Users can apply different costs and selling prices, with minimum stock and re-order levels on a site-specific basis to deliver efficient stockholding.

The Stocktake facility allows you to efficiently monitor your stock levels and easily identify any discrepancies. There are a range of valuation methods to choose from, including Actual, FIFO, Weighted Average and Standard Cost.

Easy-to-use price matrices store unique pricing structures for every combination of customer and product. Profitability is tracked against every line item sold and a Global Price Change utility makes maintaining price information simple.

Dataflow integrates with barcode scanners to facilitate over-the-counter sales. The system allows you to maintain multiple barcodes against each stock item, including multiple suppliers, pack sizes and inner or outer packaging.

## STOCK ITEM PROPERTIES

Dataflow features a flexible coding structure (20-character default), with re-coding possible at any time. Search features include part number, invoice description, bar coding, serial number and batch number.

Custom operations at individual stock code level include user-definable levels of product analysis/classification, preferred supplier status, multiple units of measure and variable price and quantity formats. Pricing options are also available per stock item, including price x quantity, price x weight, price x weight x quantity or unit price.

## ALTERNATE STOCK

Alternative part numbers can be easily defined for each stock item, which can then be used to help resolve out-of-stock situations whilst taking Sales Orders.

## LEDGER SPECIFIC STOCK

Stock items can be designated for Sales or Purchase use only, ensuring that distilled or repackaged items are only bought and sold under the correct designation.

## POSTING STOCK VALUATION

Nominal Journals can optionally be generated by the system to maintain stock valuation, stock accruals, cost of sales, profit on stock, write offs, WIP and wastage.

## TRANSACTION PROCESSING

Keep control of all your stock with a detailed audit trail that records all stock movements, stock-take adjustments and inter or intra-warehouse transfers. Inspection and quarantine areas can be used to accept or reject stock receipts.

## REPORTS AND ANALYSIS

Reporting is available on a scheduled or ad-hoc basis, down to whatever level of detail you require. Batched reporting helps to streamline repetitive tasks and the RDA (Raw Data Access) module allows users to export raw data from the Dataflow system.

## DOCUMENT STORAGE

Dataflow allows you to attach any number of documents, in any format, to each stock item (eg. tech specs or assembly instructions as word docs, excel spreadsheets, PDFs and more). These documents can then be viewed from the Dataflow enquiry screens.

## SECURITY AND CONTROL

You need to be able to trust your stock ledger system to give a true picture of supply and demand. Dataflow includes transaction roll-back in the event of system problems, shortage monitoring, security at individual stock code level and a range of operational controls.

# BILL OF MATERIALS

The Dataflow Bill of Materials module features comprehensive production management capabilities designed to meet the needs of the most demanding of companies. Dataflow provides an integrated, easy-to-use system for businesses that require a combination of make to order (MTO), configure to order (CTO), engineer to order (ETO), and make to stock (MTS).

Accurate manufacturing information is available at your finger-tips, including work-in-progress, assembly structure detail, batch/serial item location and assembly cost reports. Dataflow also features automatic work order generation from sale orders or re-order levels, batch work order progression and a comprehensive reporting.

## **KITS EXPLOSION & COSTING**

Dataflow allows you to print details for all levels of a kit; providing item and total costs at component level, sub-assembly level and for the completed kit.

## **WORKS ORDERS**

Works orders can be recorded for the production of a kit; detailing all component parts and allowing for the modification of the bill of materials for open work orders.

On completion, work orders are recorded as a production batch, either partially or in full. Additional stock issues and product quantities, returns, wastage and rejections can all be recorded against the batch.

## **FULFILLED ORDERS**

Users can generate reports against fulfilled orders; including values for standard and average costs and kit listings detailing completed kits and components.

## **WORK IN PROGRESS**

A work in progress report lists the released works orders where production batches have not been updated to stock; showing quantities and values of stock that have been issued to the orders.

## **BUILD KITS**

Dataflow includes a "Build Kits" feature; a simple transaction window that allows the production of kits to be recorded and updated into stock.

## **SALES ORDER LINES**

Sales order lines for true stock items that are kits can be allocated directly from stock, or used to generate a work order. Sales Order lines for kits that are products can be included on the order in exploded form for each component.

# SALES & PURCHASE ORDER PROCESSING

Dataflow allows sales orders to be raised from stock or used to create back-to-back purchase and work orders. Multiple deliveries and batch processing are supported and email distribution of documents saves more time and money. At every stage throughout the sales order processing cycle, Dataflow emphasises precision, speed and efficiency.

Process control is simple; with instant access to management information such as customer pricing, discounts, credit limits and order history. Price maintenance is quick and easy with the ability to import from excel and make global price changes on a product or customer-specific basis.

By automating the purchase process from start to finish, Dataflow provides total control over purchasing operations. Fast and easy to use, Dataflow enforces strict authorisation levels, allowing you to manage your expenditure more effectively, and provides instant access to supplier records, cost prices, economic order quantities and lead times.

Fully integrated with Dataflow Financials, Stock Control, KITS (BOM), Works Orders and a range of vertical-specific applications, Dataflow Sales and Purchase Order Processing modules do much more than simply generate documentation.

## RAPID ORDER ENTRY

Locate customers quickly by searching any data field. Fast order entry is supported by selecting items from dropdown lists or add multiple line items in seconds by duplicating previous orders.

## LIVE UPDATE TO SALES ORDERS

Integration with Electronic Data Interchange (EDI) and XML messaging enables you to share sales orders without any re-keying. Quotes and estimates are converted into sales orders (including blanket, scheduled and pro forma) with a single command and stock is immediately reserved as sales orders enter your workflow.

## CREDIT CONTROL

Customers are validated against credit limits and payment history, with alerts triggered when they exceed their credit limit. Dataflow checks availability, prices, discounts and special offers to ensure every line item is priced correctly.

## PURCHASE CONTROL

Monitor company expenditure and inward delivery schedules with intuitive on-screen enquiries and reports. Dataflow features the ability to append, amend or delete order details and handle purchase orders in any currency.

## ORDER NUMBERING

Order numbers can be generated automatically by the system. Alternatively, system parameters allow entry of user-defined references giving greater control over the allocation of order numbers to individual departments.

## CUSTOMER HISTORY

On-screen enquiries allow you to review current and historical orders showing account and pending balances, period and cumulative turnover. A detailed history of quantities and pricing by item and sales order is also available.

## NOTES

A Notepad facility lets you record conversation or other contractual details. These notes can be included on the printed documents if required. Notes are available as individual order lines.



## DOCUMENT MANAGEMENT

Append documents of any type to transactions recorded via the sales or purchase order processes, including sales orders, contracts, goods received etc. Document links are maintained within both sales and purchase ledgers, even where invoices comprise multiple orders or delivery notes.

## DELIVERY NOTES

Delivery notes can be generated for individual orders or as a batched process. Batch or serial numbers and bin locations will be prompted for appropriate, or can be allocated automatically by the delivery process. Each document generated can be reviewed to allow variable data such as weights to be recorded.

## PART-DELIVERIES AND BACK-ORDERS

Dataflow is designed to handle the most complex of delivery scenarios. Part-deliveries are easily processed leaving outstanding orders awaiting delivery. These can be printed on the delivery note if required.

Where orders are under-delivered and are not going to be fulfilled, these can be closed off. Part or full delivery of multiple orders on the same delivery note can also be consolidated onto one document. Part deliveries can be disallowed on all orders or on an order-by-order basis. Weights can be automatically calculated and recorded on receipt notes.

## SALES & PURCHASE INVOICING

Invoicing can be carried out on a single order or processed as a batch. Multiple delivery notes or goods received notes can be consolidated into a single invoice, in part or in full.

Additional lines can be added to invoices to cover delivery charges, or for goods or services not included on the original order. Invoices can also be generated directly from orders where a separate delivery note is not required.

Documents can be imported or exported using XML and invoices are automatically matched with orders or deliveries.

## BACK-TO-BACK ORDERING

Among the many features of order processing is the powerful back-to-back order facility, which enables you to generate one or more purchase orders for the items required on a specific sales order.

## SCHEDULED ORDERS

Repeat orders can be generated automatically and scheduled by regular period (eg. monthly) or for completion on specific dates.

## RETURNS

Dataflow features integrated processes for the handling of customer and supplier returns and credit processing including the ability to return goods to stock or to pick and dispatch for delivery.

## LINKS TO STOCK CONTROL

Sales order processing does not operate in a vacuum; it works with your stock control processes to provide visibility of free, physical, short and allocated stock. Free stock can be allocated to orders, creating back-orders where necessary, or stock can be allocated to orders when dispatch notes are raised.

Alternate part numbers can resolve out-of-stock situations, or stock can be taken from alternate locations. Stock can be re-allocated from one order to another for priority despatches.

## REPORTS

Order reports can be produced by customer, product and due date. Analysis is also available across outstanding orders, those dispatched but not invoiced and those invoiced but not authorised.

The Forward Load of Outstanding Orders Report gives a clear indication of what is due for delivery and where any shortages may exist. The Accruals report and enquiry option enables you to compile provisions on outstanding events by nominal code and cost centre.

The Purchase Order Stock Reorder report incorporates free stock, average usage over the previous six months, outstanding orders and their expected delivery dates to help identify future reordering levels.

## LANDED COSTS

Where required, freight, duty, insurance and transport costs can be applied as percentage uplifts to the cost price when calculating average costs.



# CONTACT DETAILS

## **DATAFLOW (UK) LIMITED - HEAD OFFICE**

Dataflow House  
Mill Mead, Staines-Upon-Thames, Middlesex  
TW18 4UQ

Tel: +44 0845 456 1020  
Tel: +44 (0)1784 454171  
Fax: +44 (0)1784 460806

## **DATAFLOW (UK) LIMITED - EDINBURGH OFFICE**

Harbour Point  
Newhailes Road, Musselburgh, Midlothian  
EH21 6SJ

Tel: +44 0845 456 1020  
Fax: +44 (0)131 653 2079

## **DATAFLOW (UK) LIMITED - BRIGHTON OFFICE**

28 Bolney Avenue  
Peacehaven, Brighton, East Sussex  
BN10 8NA

Tel: +44 0845 456 1020  
Fax: +44 (0)1273 581333

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