advanced production planning & control system

Javelin is a flexible, scalable and intelligent production planning and control system offering advanced functionality and value in the key areas of manufacturing and assembly. Javelin allows SME organisations to successfully compete in difficult economic and market conditions, through direct productivity improvements and lower IT infrastructure costs.

Supports Direct Interfaces
Javelin supports direct interfaces to the best of breed accounts packages, protecting investment in existing systems and can be easily integrated with new peripheral systems.

Various Finance Options
Whilst the majority of companies finance IT projects via traditional capital expenditure methods Javelin is able to offer a number of alternative financing methods such as leasing and rental.
The Javelin business management software is sold as a single core product with a few functionality specific add-on modules highlighted below in red. The product is structured into virtual modules where a range of advanced capability is available, details of which are below:

<table>
<thead>
<tr>
<th>SALES</th>
<th>QUALITY</th>
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<tbody>
<tr>
<td>Multi-level Estimating</td>
<td>Reject/scrap analysis</td>
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<tr>
<td>Quotations</td>
<td>Defect rework</td>
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<td>Sales Enquiries</td>
<td>Concessions</td>
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<td>Price Books</td>
<td>Release Certification (FAIRs, PPAPs etc)</td>
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<tr>
<td>Multi-Currency</td>
<td>Material traceability</td>
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<td>Scheduled Orders</td>
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<td>Customer Relationship Management (CRM)</td>
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<td>Delivery Forecast</td>
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<td>Acknowledgements</td>
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<td>Sales Order Processing</td>
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<td>‘Quick Load’ Capability</td>
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<td>EDI</td>
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<td>Progress Reports</td>
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<td>Supplier Analysis</td>
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<td>Sub-contract Control</td>
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<td>Goods Received Notes (GRN)</td>
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<td>Purchase Order Authorisation</td>
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<td>Shop Documentation</td>
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<td>Shop Floor Data Capture</td>
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<td>Time and Attendance</td>
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<td>Capacity Planning</td>
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<td>Finite &amp; Infinite Scheduling</td>
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<td>Inventory Management</td>
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<td>Batch &amp; Serial Traceability</td>
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<td>MRP</td>
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<td>Quality Analysis</td>
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<td>Graphical Planning Board</td>
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<td>Factory View Display</td>
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<td>MRP Action Plan (MAP)</td>
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<td>Sub Contract Traceability</td>
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<td>On Time In Full Reporting (OTIF)</td>
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<td>Invoicing</td>
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<td>Multi Store Locations</td>
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<tr>
<td>Customer Returns</td>
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<td>Multi Ship-to Addresses</td>
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<td>Link to 3rd Party Accounting Systems</td>
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<td>Stock Taking - Perpetual Inventory</td>
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<td>Stock Valuation</td>
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<td>Work in Progress Valuation</td>
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<tr>
<td>Cost of Sales Analysis</td>
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<td>Contract Costing</td>
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<tr>
<td>Cost Roll-up</td>
<td></td>
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<tr>
<td>Credit Checking</td>
<td></td>
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</table>
customer relationship management (crm)

Know Your Customers

This element of Javelin provides an entry level into the increasingly important area of customer and prospect management.

Prospect Database
Prospective customer details are kept separately from current trading customers.

Contacts
Details of contacts (i.e. phone calls and conversations) can be registered against prospects or customers and optionally linked to quotes and sales orders.

Actions
Actions can be placed against individual users to follow previous contacts or actions. Email alerts can be sent to users.

Automated Actions
Key business functions (i.e quote printing) can automatically raise follow up actions (e.g. progress the quote).

Definable Business Flow
Customisable links between actions with definable timescales can be established.
Javelin’s Estimating and Quotations function enables fully costed estimates to be generated for new and/or repeat work, taking into account a number of variable elements such as batch size. The potential profit from any future order can be calculated allowing the margin to be adjusted accordingly. In strong contract environments the estimated values can be used as a contract budget, allowing monitoring of cost build ups during the contract life.

Quoting
Quotations can be produced either directly from estimates or manually. In addition, the original estimate information can be transferred automatically through to Javelin’s sales and production systems, avoiding unnecessary clerical effort and potential keying errors.

Material Descriptions
Standard material descriptions and prices already stored in the parts database can be pulled into the estimate. New parts or materials can also be added directly into the estimate without prior entry into the main parts database. Request for quotation against any new bought out items can be raised from within the estimate and subsequently converted to Purchase Orders should the contract be won. Javelin’s Estimating and Quotation features provide simple search and retrieval of historical data and previous quotations.

Outwork Elements
Separate labour, material and outwork mark-ups can be applied along with any additional costs, such as special tooling or outwork elements.

Multiple Level BOM
A single estimate can cater for multi-level Bill of Materials (BOM). The entire structure can be recalculated at the touch of a button to reflect changes made by the customer. All estimate data is initially held separately from the main production system in order to prevent unnecessary clutter of the live parts data.

Advanced Formula
An advanced function enables user defined “synthetics” to be specified. This feature enables formulas to be set up, often driven by a set of defined choices allowing input of parameters such as speeds and feeds.

Customisable Documents
The quotation document is fully customisable with the ability to add logos, images, define layout and add standard text such as terms and conditions.

Order Confirmation
Javelin’s order confirmation feature incorporates powerful capabilities allowing the automatic loading of the estimate into the production database. Sales orders, works orders, routings and BOMs can all be created as part of the order confirmation routine with minimal administrative input ensuring data integrity.
Dear Mr Pembroke,

We have pleasure in supplying a quotation for the listed items following your recent enquiry.

<table>
<thead>
<tr>
<th>Item</th>
<th>Part/Description</th>
<th>Quantity</th>
<th>GBP</th>
<th>Delivery</th>
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<tbody>
<tr>
<td>1</td>
<td>CA-AS-CLIP</td>
<td>2000</td>
<td>1.1633</td>
<td>3 Weeks</td>
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<tr>
<td></td>
<td>Clip</td>
<td>1000</td>
<td>0.7853</td>
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<tr>
<td></td>
<td></td>
<td>5000</td>
<td>0.7097</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>AS-240V-3PIN-SIL</td>
<td>10</td>
<td>3.5600</td>
<td>3 Weeks</td>
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<tr>
<td></td>
<td>Plug assy - 240V 3 pin</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Silver</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>UK Design</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Components to BS1353</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Reg No 8191</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>AS-BRACKET</td>
<td>10</td>
<td>2.8900</td>
<td>1 Week</td>
</tr>
<tr>
<td></td>
<td>Bracket</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

If you have any queries or require further information please do not hesitate to contact any of the sales team.

Yours sincerely

Tom McClure
Estimator

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T: +44 116 272 5700  F: +44 116 272 5725  E: javelin@planit.com  W: www.javelin-mrp.com
Javelin’s Sales Order Processing is ideal for both ‘make to order’ or ‘make to stock’ operations and covers everything from order entry through to picking, despatch and invoicing, handling both discreet and scheduled orders with equal ease.

Multiple Sales Orders
Handling of complex contracts can be achieved by linking multiple sales orders to specific projects. In a contract environment progress and cost can be monitored against previously input budgets.

Delivery Date Predictions
A delivery date can be predicted utilising available capacity data at point of entry.

EDI
Sales orders can be accepted by electronic data interchange (EDI) streamlining data entry, minimising delays and eliminating re-keying errors.

Hot Keys
The sales order enquiry screen can be “hot keyed” from any point in Javelin, providing immediate response to customer order progress enquiries.

Customisable Documents
All customer facing documents (order acknowledgements, delivery notes, invoices, release notes) are fully customisable to meet the needs of your customers requirements.

Credit Checking
Javelin also provides credit checking capabilities, which are triggered automatically at both order entry and despatch. In addition integrated links and interfaces to best-of-breed accounting systems minimises administrative input.

Price Book Functionality
Comprehensive price book functionality enables multiple price breaks to be assigned to each saleable part. Prices can also be set in different currencies and linked to specific customers along with item or order discounts.

Flexible Despatch Facility
Javelin provides a flexible despatch facility catering for mass picking from stock or JIT delivery direct from production. Facilities are also available to provide control of customer consignment stock.

Batch Invoicing
Flexible invoice routines allow batch invoicing of multiple deliveries or specified invoice content. The system also incorporates a fully documented and controlled customers’ returns routine.

Extensive Analysis
Javelin provides extensive sales and order analysis, incorporating user defined analysis fields with an array of printed reports, graphical displays and real time screen enquiries.
## Order Acknowledgement

**Order Number:** R89009987  
**Date of Order:**  
**Document Revision:** 3  
**Page:** 1 of 1

### Details

**Dispatch To:** Cullen Enterprise  
**Peters Way Industrial Estate**  
**Peters Way**  
**Leicester**  
**LE9 2JJ**

**Invoice To:** Cullen Enterprise  
**Accounts Centre**  
**Peters Way**  
**Leicester**  
**LE9 2JJ**

**Your Sales Contact:** Neil  
**Your Order Number:**  
**Your Account Code:** 1003

### Items

<table>
<thead>
<tr>
<th>Item</th>
<th>Quantity</th>
<th>Due Date</th>
<th>Description</th>
<th>Instructions/Comments</th>
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<tbody>
<tr>
<td>1</td>
<td>100 EA</td>
<td></td>
<td>AS-3240V/3-PIN-WHT</td>
<td>Plug assy - 240V 3 pin White Part Issue UK Design Complies to BS1363 Reg No 8191</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>Issue A: 1</td>
<td>1 4000 140000.00</td>
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<tr>
<td>2</td>
<td>10 EA</td>
<td></td>
<td>AS-3240V/3-PIN-WHT</td>
<td>Plug assy - 240V 3 pin White Part Issue UK Design Complies to BS1363 Reg No 8191</td>
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<tr>
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<td></td>
<td>Issue A: 1</td>
<td>1 5000 15000.00</td>
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</table>

**Amended Item**

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<th>Description</th>
<th>Instructions/Comments</th>
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<td>3</td>
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<td></td>
<td>AS-3240V/3-PIN-WHT</td>
<td>Plug assy - 240V 3 pin White Part Issue UK Design Complies to BS1363 Reg No 8191</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Issue A: 1</td>
<td>1 4000 54000.00</td>
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</table>

### Terms

**Payment terms:** 30 Days from invoice date

<table>
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<tr>
<th>VAT</th>
<th>VAT Total</th>
<th>Goods Total</th>
<th>Sub Total</th>
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<tbody>
<tr>
<td>1</td>
<td>20.00</td>
<td>47.80</td>
<td>239.00</td>
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</table>

**Sub Total:** 239.00

**VAT Amount:** 47.80

**Total Value:** 286.80

### Notes

Goods remain the property of Planit Javelin until payment is received.

**Currency:** GBP

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**Planit Javelin standard terms and conditions apply to all received orders.**
material requirements planning (mrp)

What you need, when you need it

MRP is the secret of “Just in Time” (JIT) manufacturing, minimising stock and work in progress.

Precise Control
Javelin’s advanced MRP provides precise control of all supply operations. It addresses all demand, including minimum stock levels, although parts can be excluded where required; by store, consignment supply and bulk issue.

Lead Time Monitoring
Parts are monitored against normal lead times to generate action dates for each suggestion, meaning long lead time items are dealt with promptly.

Convenient
MRP can be scheduled to run at any time as it does not require the exclusive use of the database.

Part Specification
Lead times, safety lead times, minimum stock levels, batch quantities, minimum quantities and maximum quantities can all be specified on a part by part basis.

Forward Ordering
The forward ordering facility allows automated transfer of items ordered for specific contracts to alternative contracts.

MAP Function
Javelin incorporates an extremely powerful “MAP” function (MRP Action Plan) which is accessible throughout the system. This new feature shows all links in the MRP generated demand structure and enables any recommended action to be interrogated and verified on a multi-level basis.

Minimise Stock, Improve Cash Flow
An offset function allows individual materials to be called in at various stages of a works order cycle, therefore further minimising stock and improving cash flow.

Forecast Reconciliation
Addresses demand for components and materials generated from imported sales forecasts. Reconciles “real” sales orders against forecast.

>>> Balance supply of all parts with demand

>>> Instant “make or buy” recommendations

>>> Approval of recommendations to raise works or purchase orders

>>> Allows for rapid response to customers changes in demand
Buy smart, buy right

Javelin Purchase Order Processing provides a comprehensive set of tools to ensure total control of purchasing functions within a manufacturing or assembly environment. It enables purchase order progressing, so that timely availability of all bought-in materials, components and sub-assemblies can be assured.

Multiple Currencies
The system accommodates multiple currencies and covers everything from consumables and sub-contract work to user-definable goods inwards and inspection procedures.

MRP Integration
Integration with the powerful MRP functions enables quick and easy creation or modification of purchase orders.

Comprehensive Database
Javelin maintains a comprehensive database of suppliers along with their capabilities and approval level plus a cross-reference of parts to suppliers and their part references/prices.

Vendor Analysis
Javelin allows analysis of vendor performance including price, quality and delivery.

Accounts Links
Reconciliation of goods received against supplier invoice provides full traceability of cost. Integrated links and interfaces to best-of-breed accounting systems minimise administrative input and improve operational efficiency.

Progress Review Notes
Progress review notes are available to all users with access to the system, providing up to date information where needed thus minimising disruption to purchasing staff.

Customisable Documents
Document layout is fully customisable and copies can be faxed or emailed to suppliers further streamlining purchasing operations.

Comprehensive Routines
Comprehensive goods inwards routines allows definition of documentation and inspection procedures associated with each purchased item.

Extensive Returns Procedures
Extensive goods returns procedures automatically create relevant documentation and provide full returns and reject reporting.

Blanket Orders
Javelin easily accommodates blanket orders, as well as free-issue parts and subcontract work - generating full documentation and maintaining complete traceability throughout.

PO Linking
Purchase orders can be linked to an associated contract and expenditure can be closely controlled by setting purchase authorisation limits for individual buyers. Javelin facilitates precise monitoring and control through its extensive range of reports.

Request for Quotation
Requests for quotation can be raised for multiple parts against multiple suppliers. Feedback against RFQs can be monitored with the optimum supply solution being converted to a purchase order generating the supplier part record if required.
## Purchase Order

**PRN0030058**

**Main Copy**

- **To:** Nova Power
- **Address:** 89 New Street, Havengore, York, YO69 2UK
- **Fax No.:** 0970 298 8900

### Orders

<table>
<thead>
<tr>
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<th>Qty</th>
<th>Due Date</th>
<th>Unit Price</th>
<th>Disc</th>
<th>Net Value</th>
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</thead>
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<tr>
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<td>0.00 %</td>
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<td>29.50</td>
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<tr>
<td>2</td>
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<td>5.00 BX</td>
<td>5.00</td>
<td>0.00 %</td>
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<td>3</td>
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<td>0.00 %</td>
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<td>0.90 BX</td>
<td>2.00</td>
<td>0.00 %</td>
<td>5.00</td>
<td>4.84</td>
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<tr>
<td>5</td>
<td>JS-SCR-002 - M3 Screw - Brass</td>
<td>2.00 BX</td>
<td>2.00</td>
<td>0.00 %</td>
<td>5.00</td>
<td>4.84</td>
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<tr>
<td>6</td>
<td>JS-SCR-002 - M3 Screw - Brass</td>
<td>2.00 BX</td>
<td>2.00</td>
<td>0.00 %</td>
<td>5.00</td>
<td>4.84</td>
<td></td>
</tr>
</tbody>
</table>

**Order Total:** £126.06

**Currency:** GBP
what to make and when to make it

This core element of Javelin controls the progress of work through the manufacturing/assembly facility. A full set of monitoring and tracking routines ensures complete visibility of work in progress.

**Full Specifications**
The system can generate fully specified works orders / routings complete with;

- Part numbers
- Manufacturing instructions
- Planned times
- Material requirements
- Delivery date and customer details

**A Range of Documentation**
Javelin provides the complete range of shop floor documentation including;

- Routing sheet
- Operation tickets
- Kit lists
- Tooling lists
- Finished goods transfer notes
- Stock check tickets
- Sub-contract documentation

**Sub-Contract**
Sub-contract documentation is created automatically at the required point in the production process. In addition, the anticipated return date is specified in order to ensure close monitoring of bought-out services.

**Linking Operations**
Tools, jigs and fixtures may be linked to individual operations. These can also be used in scheduling and their utilisation monitored for re calibration or refurbishment.

**Narratives**
Narratives, normally work instructions, may be assigned and stored against any operation to ensure operators are fully aware of requirements.

**Multiple Methods of Manufacture**
When the works order is raised, operations and material requirements are generated from the standard routing and BOM. Multiple methods of manufacture can be defined enabling alternatives to be specified quickly and efficiently or works order data can be individually manipulated for specific requirements.

**WIP**
Work-in-Progress is monitored accurately using data entered directly into the system or received via shop floor bar-code readers (SFDC). The same data is also used to update relevant costing and performance monitoring files.

**Planned V Actual**
Feedback on ‘planned’ against ‘actual’ times is instantly available to shop floor supervision, along with other related performance indicators.

**Bar Codes**
Bar coded documentation is available as standard to drive Javelin’s Shop Floor Data Collection features.

**Full Traceability**
Works orders may be split during manufacture whilst maintaining the link back to the parent for traceability and costing purposes.
## ROUTING SHEET/INSPECTION REPORT

**Description**
Pin - Live

**Part Number**
JS-PIN-LIVE

**Drawing Issue**
Issue A

**Route Issue**
1

**Production to comply with quality standard as specified in the ISO 9000 documentation.**

All Scrap and Rejected material to be returned or reported to inspection before placing in the scrap bins.

<table>
<thead>
<tr>
<th>Op No</th>
<th>WC</th>
<th>WC Description</th>
<th>Key Op</th>
<th>Set-up Time</th>
<th>Labour Time</th>
<th>Qty Prod.</th>
<th>Operator Sign</th>
<th>First off inspection</th>
<th>Qty Scrap</th>
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<tr>
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<td>310</td>
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<td>60.00</td>
<td>150.00</td>
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<tr>
<td>30</td>
<td>330</td>
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<td>150.00</td>
<td>2050 EA</td>
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**Item No**

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</table>
Javelin provides powerful ‘What if?’ finite and infinite integral scheduling capabilities. The same work load can be tested using varied scenarios and manufacturing rules and the results compared either graphically or in tabular form. Based on users’ definition of their own manufacturing facilities (factory model), the system provides the key to minimising Work-in-Progress, cutting lead times and improving delivery performance as well as reducing costs.

### Planning Board
The system’s graphical planning board allows the progress of each job to be monitored in real time. Its ‘drag and drop’ functionality enables users to fine tune the scheduling output and produce new ‘work-to’ lists instantly, without running a complete schedule. A series of key reports enables Javelin to compile ‘work-to’ lists capable of delivering optimum throughput against required dates.

### Maximum Production Efficiency
Production bottlenecks can be easily identified and quantified, with alternative corrective actions planned and modelled off-line to ensure maximum production efficiency.

### Job Re-Routing
The system’s flexibility permits critical path routes to be identified and any jobs forecast as overdue to be immediately highlighted for re-sequencing or re-routing.

### Defined Shift Patterns
Shift patterns may be defined for nominated machines or groups of operators. In addition, alternative shift patterns may be specified to allow scheduling to consider overtime working options. Special tooling may also be defined as a constraint within Javelin to ensure its availability for specific operations.

### Capacity Planning
Capacity ‘pre-allocated’ to tentative orders or sales orders yet to be released into production is easily determined and accounted for.

### Forwards/Backwards Scheduling
The system’s ability to compare finite and infinite capacity plans enables users to quickly and accurately assess capacity status. Forward and backward scheduling options are available, with simple manual over-ride of scheduling results, if needed.

### Move Work Automatically
Javelin enables work to be switched automatically from fully loaded machines to ones with spare capacity, or to sub-contractors, as appropriate. Standard shift patterns can be automatically taken into account when scheduling machine set-up operations.

### Family Groupings
Family groupings allow jobs with common set-up or other manufacturing characteristics to be processed together for maximum production throughput. Commonality of material in works orders are easily identified as another option to reduce set up times within the schedule.

### Operation Overlapping
Overlapping operations can be defined and planned to enable lead times to be minimised on large batches or extended runs.

### Internal Scheduling
Unlike many systems, Javelin undertakes internal scheduling without any additional importing or exporting of data for assured accuracy of results.
scheduling
shop floor data capture (sfdc)

Real time data for real time decisions

SFDC provides users with accurate Work-in-Progress and costing information, while simultaneously minimising administrative input and clerical errors. Data is input using Shop Floor based data capture PCs optionally equipped with bar code readers and touch screens.

Dynamic/Static Nests
Operations can be grouped either in a predefined static nest or dynamically at the SFDC terminal allowing time and material consumption to be amortised automatically over all operations within the group.

Automatic ‘Clocking Off’
The system caters for booked or assumed work breaks, and provides automatic ‘clocking-off’ based on defined shift patterns.

Complete Visibility
Shop floor supervisors have complete visibility of up-to-the-moment information, with enquiry screens providing current activity of employees and work centres.

Program Nests
Export static nests to third party software for material optimisation and CNC programming. Import results to allow Shop Floor Data Capture on a program by program basis.

Work To Lists
Work to lists provided by scheduling can be displayed and utilised for operation bookings ensuring production facilities all run in line with overall plan.

Conventional PC
Operates on conventional PC. Touchscreen and bar code readers can be added to improve efficiency and accuracy.
materials control

Complete traceability from start to finish

This key element within Javelin provides visibility of stored materials and components. It links to all transactions generated by other functions within Javelin (purchases, sales, WIP) facilitating full traceability for quality and costing purposes.

Quality and Costing Traceability
Quality and costing traceability of purchased, manufactured and free issue items is inherent within the core system.

Certificate of Conformity
Part traceability can incorporate issue control and design change control to ISO standard providing Certificate of Conformity based data at despatch of finished items.

Multi-Store Location
Complete multi-store location management, with row and bin identification, are provided as standard, along with quarantine, consignment and environment controlled stock location functionality.

Perpetual Inventory
Javelin supports perpetual inventory providing stock check facilities with varying count frequency set on a part by part basis.

Trial Kitting
Trial kitting capabilities enable potential shortages to be identified and the maximum potential yield from existing stock or individual batches to be determined.

Sized Parts Facility
Sized parts facility allows an additional level of stock information for length or area orientated parts (bar, sheet, coil) providing details of the number of pieces at specific dimensions.

Multiple Consignment Stores
Javelin supports multiple consignment stores which can be allocated to individual customer sites.

Controlled Environment
Shelf life of materials sensitive to their environment (e.g. composites) is automatically reduced when transferred outside an environmentally controlled store.

Mobile Javelin
Allows for stock movements and validation via hand-held mobile devices utilising barcode scanning technology.
Was it worth it?

Javelin’s powerful suite of costing functionality provides users with a wide variety of options. These can be based on standard, actual or even forecasted costs.

### Job Costs
Individual job costs can be determined instantly via screen enquiries or in report form in real time, with actual costs available for comparison against original estimated figures. Full standard cost roll ups can be computed for single or multi-level BOM at the touch of a button.

### Stock & WIP Valuations
Stock valuations can be compiled at any time to a variety of stock accounting rules, with results based on standard or actual costs. Work-in-Progress valuations can also be compiled on demand to similar accounting standards.

### Cost of Sales
Comprehensive material and labour tracking procedures enable detailed cost of sales analyses to be undertaken, showing the profitability of individual orders at any stage.

### Reporting & Enquiries
Powerful reporting and enquiry routines highlight variances in ‘planned’ against ‘actual’ and ‘standard’ against ‘current’ costs.

### Contract Costing
The Contract Costing module adds a number of facilities to the Javelin system aimed at users handling sales orders for items with long manufacturing cycles or involved in off-site work, particularly in terms of installation operations on customer's sites.

### Accurate Forecasting
Contract costing capability enables all costs associated with a project to be drawn together in a single location, along with budgets, to enable an accurate forecast of ‘cost to completion’ to be determined at any point. This not only allows potential cost over-runs to be identified and corrected at an early stage, but can be used at the end of the project to ensure all relevant costs have been properly accounted for.

### Labour Rates
Contract costing offers an extension to the labour rates described above, namely the ability to associate different cost rates to a work centre, employee or labour grade in relation to the actual time and day the work took place.
## Planit Software Limited

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Enderby
Leicester
LE19 4SA
United Kingdom

tel. +44 (0) 116 272 5700
fax. +44 (0) 116 272 5725
e-mail. javelin@verosoftware.com
web. www.javelin-mrp.com

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### Costing Report

**Date:** 17/01/2012

**Run Date:** 08/06/11  **Run Time:** 11:54:40

**From ROO:** 100032  **To ROO:** IAN2

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<th>Material Var</th>
<th>Labour Var</th>
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<th>Outwork Var</th>
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From ROO | Part | Qty | Material Fixed | Material Var | Labour Fixed | Labour Var | O'head Var | Outwork Var | Total Var | Total |
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**Qty:** 0.000000000

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From ROO | Part | Qty | Material Fixed | Material Var | Labour Fixed | Labour Var | O'head Var | Outwork Var | Total Var | Total |
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From ROO | Part | Qty | Material Fixed | Material Var | Labour Fixed | Labour Var | O'head Var | Outwork Var | Total Var | Total |
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Javelin’s document linking and viewing system provides the facility to link any electronic file to virtually any element of the Javelin data, for example a CAD file to a part record, a release certificate to a GRN or a drawing to a purchase order. Documents linked to parts can be printed as part of a data pack with other shop documents. This facility is of particular benefit to users of SFDC where documents associated to parts/works orders/works centres can be viewed directly on the shop floor.

**Industry Standard File Formats**
Information in industry-standard file formats - including MS Word, Excel, CAD drawings, or even scanned sketches or assembly diagrams - can be associated with each or multiple parts.

**Electronic Data Pack**
A complete electronic data pack - including routings, parts lists, tool lists and drawings, quality documentation, Word documents, video clips or scanned images - can be compiled for each works order and accessed directly by shop floor personnel. Links to drawing control procedures ensure that the correct drawing release is issued with each job.

**Production Planning**
Production Planning can highlight and annotate drawings for instant viewing by shop floor operators, plus queries and feedback from the shop floor can be reviewed and responded to quickly and efficiently.

**Links**
Electronic data can be linked to the following:
- Parts
- Purchase Orders
- Works Orders
- Sales Orders
- Estimates
- Quotations
- Employees
- Work Centres
- Tools
- Customers
- Suppliers
- GRNs

**Part Images**
The option to print part images on production paperwork, estimates, goods receipt documentation and quotations is available, if required.
JIMS

Javelin Information Management System

Javelin’s Information Management System ensures you constantly have important manufacturing KPI information available at your fingertips.

Cost Effective
JIMS provides a powerful and flexible way to ensure you utilize key information from Javelin in the most cost effective way.

Configurable
Using a configurable KPI Dashboard, JIMS collects a variety of information and delivers it to your desktop in an easy to use graphical format to help ensure that you are always getting the most from your manufacturing environment.

Purchase Online
A selection of JIMS reports can be purchased online from our website enabling us to customise your dashboard with key information that is relevant to the running of your business.

You can also submit suggestions for further JIMS which we may add to the site. Please discuss your specific requirements with your Consultant.
A selection of JIMS reports are available to purchase online

**Purchase Order Book Report**
The purchase order book enables you to easily review the outstanding order value compared to the delivered value.

**Invoiced Value**
The invoiced value line chart shows the progress of invoicing value to date throughout the current month.

**Sales Order Book Report**
The sales order book enables you to easily review the outstanding orders compared to what has been delivered.

**Work in Progress Report**
The work in progress report enables you to easily review the outstanding hours compared to the total hours.

**Delivery Performance Report 1**
The delivery performance pie chart analysis’s the actual delivery date vs sales order due date, giving % deliveries made within period variances.

**Productive Hour Comparison Report**
This JIM gives a rolling comparison of the productive hours recorded.

**Delivery Performance Report 2**
The delivery performance pie chart analysis’s the actual delivery date vs sales order promised date, giving % deliveries made within period variances.

**Workforce Status**
The workforce status pie chart indicates the current status of employees clocked in via real time shop floor data capture.

**On Time Delivery Report**
The OTPD report enables you to compare total deliveries with those on time, helping you to assess supplier performance.
Javelin is a highly effective manufacturing management application, developed to provide users with an efficient and easy-to-use Windows environment, which incorporates advanced facilities to quickly access database information.

User-definable Desktop
User-definable desktop enables key tasks to be laid out to suit users’ individual workflow requirements. In addition, all system functions can be accessed easily using familiar ‘Explorer-type’ menus.

Hot Keys
Multiple ‘Hot key’ searches and enquiries enable users to find information on customers, suppliers, orders, parts, etc at the touch of a button from anywhere within the system. A rapid ‘drill down’ (zoom) facility enables users to quickly access detailed information on related topics.

Fully Integrated
All Javelin functions use a common core database - ensuring a truly integrated manufacturing management system with advanced data search and retrieve capabilities.

Crystal Reports
Javelin’s several hundred standard reports can be supplemented by any number of user defined listings or analyses using Crystal Reports.

KPI’s
Graphical information can be easily generated to highlight key performance indicators.

Industry Standards
Javelin runs on PC workstations across industry-standard networks, is compatible with other Windows applications and can also be used in a virtual server environment and operate via terminal services.

Fully Customisable
Crystal templates, incorporated within Javelin, enable fully customisable order documentation to suit company branding.
Installation is efficiently carried out by skilled engineers and guarantees are provided for the Javelin and development software.

Maintainace Package
Javelin’s comprehensive maintenance package provides complete peace of mind with backup from our dedicated team of Customer Support Engineers and free upgrades to the latest version of Javelin.

Helpdesk
The Javelin Helpdesk includes direct PC to PC assistance and phone support with an experienced and knowledgeable team of engineers who understand the business and application requirements of Javelin customers.

Free Upgrades
Javelin is continually being developed in line with feedback from our customers and Implementation Consultants. As part of the maintenance package customers receive free Javelin software upgrades and regular newsletters to ensure that they benefit from the most up-to-date functionality.

Additional Services
In addition to the maintenance package, Javelin offers a number of training and programming services to ensure companies benefit from the full functionality of Javelin and maximise return on investment.

Training Courses
The Javelin training courses ensure that companies and their staff can fully utilise the features within the system.

Consultancy
Javelin Consultancy is able to provide an objective, unbiased perspective to address the needs of companies. They can offer suggestions for improvement and enhancement, to provide solutions that will deliver a fast return on investment.

Bespoke Programming
Bespoke programming and report writing allows companies to further develop their investment specifically to niche requirements.

Data Transfer
The technical team can provide data transfer from legacy systems into Javelin and help to determine accuracy and relevance.