



Aerotrac v2.50 Aviation MRO Process Control Software

Manufacturing – Part 21

www.tracware.com

Welcome to Tracware's Process Control Software

This brochure introduces you to AeroTrac v2.50 Aviation Manufacturing Process Control Software. It is designed to outline the commercial benefits of this functionally rich product when utilised in a Manufacturing organisation.

Tracware specialises in providing software solutions for the aviation manufacturing, maintenance, repair and overhaul (MRO) industry, including aircraft maintenance / modification and maintenance planning, engine / component overhaul, piece-part processing and repair and parts distribution.

Other brochures that cover these applications in greater detail are available from Tracware, and can be downloaded from the Tracware website.

We look forward to the opportunity of being of service to you.

Tracware's Pledge

To help your organisation to succeed by improving business processes and structuring workflow management, whilst maintaining a high degree of quality and control.

Tracware can help you to do this in two ways. Firstly, by providing functionality that helps you to regiment and discipline the processes within your business. Secondly, by collecting, sharing and reporting on data, enabling pro-active decision-making, and providing instant snapshots of how your business is performing.

Our aim is to provide the solutions you need to run your business more efficiently and profitably.

Unique Approach

Since its formation in 1999, Tracware has committed itself to providing software applications and a level of service and support that offer you unrivalled Value for Money.

Tracware has a long and proven record of delivering robust, stable and maintenance-free software solutions. Tracware's policies help Customers reduce the financial risk and disruption associated with system changes. These include fixed price implementations, staggered implementations, staged payment schemes, rental options and annual support contracts that include updates, data fixes and additional functionality at no extra cost.

The result is a reliable solution that works day-in, day-out, providing a high level of Customer confidence and satisfaction.

What is Aerotrac?

Aerotrac is a “fully-featured” off-the-shelf application that meets the specific needs of Aviation manufacturing and MRO service providers of all sizes.

It has functionality designed for the technical, commercial, logistical and financial requirements of any Manufacturing Organisation, and is a vital tool in helping to support your business activities.



Process Control

Designed by industry professionals through close co-operation with our global Customer base, Aerotrac has ‘evolved’ with Aviation manufacturing and MRO best business practices at its very core.

The application controls the business processes that are common to the Aviation manufacturing industry, instilling discipline, regimentation and control, enhancing management of resources, providing access to reliable data and Key Performance Indicators, whilst simplifying and improving the processing of everyday tasks.

Why choose AeroTrac ?

AeroTrac offers a unique concept: an affordable off-the-shelf software application designed to meet the needs of aviation manufacturing organisations - using best practice and with no hidden after-sales costs.

AeroTrac functionality has 'evolved' through the input of our Customers by including generic functionality requested by the Customer at no extra cost under the cover of the Annual Licence and Support Fee. The result of this radical approach is a robust, reliable and well-rounded product offering more functionality and value for your money than any other solution in its class.

AeroTrac operates on a modern, robust and well-supported Microsoft® SQL Server database, with an incredible track record of trouble-free operation, stability and low ongoing maintenance costs.

AeroTrac has functionality suitable for aviation businesses involved in any or all of the following related activities:

Manufacturing - Suitable for design and manufacture of components and assemblies with simple or highly complex Bill of Materials (BOM,s). Including MRP/MPS module for manufacturer's that require advanced sales forecasting to ensure no stock outage or delays with critical parts or deliverables.

Fixed Wing - Suitable for providers of Base and Line Maintenance services, aircraft modification and Continuing Airworthiness Maintenance Planning functions.

Rotary Wing - Suitable for maintenance services providers, aircraft modification and Continuing Airworthiness Maintenance Organisations, with functions designed to mirror the discrete operational requirements of rotary-wing aircraft as standard.

Engine Overhaul - Suitable for all types, from large gas-turbine to piston, offering complete management of inputs from the top-level engine assembly, down to the smallest piece-part processing requirement.

Component Overhaul - Suitable for a wide range of accessories and components including: Propellers, Undercarriage, Wheel and Brakes; IDG, Instruments, Avionics, Seats, IFE, Safety Equipment etc.

Parts Distribution - Suitable for Service Centres, Stockists, Brokers and general 'over-the-counter' parts sales.



Why choose Aerotrac ?

Increase Profits



Aerotrac will improve every aspect of your Manufacturing business, providing data to analyse your KPI's, take measures to reduce costs, increase margins, improve performance and save both money and time. The soft ware will pay for itself.



Improve Performance

Aerotrac is a tool to help the users perform a multitude of laborious tasks simply and accurately. Enhanced visibility of technical, commercial, financial and logistical information improves communication, planning and decision-making, thus improving accuracy, speed and quality.

Easy To Use



Aerotrac functionality follows intuitive steps, so that complex processes can be handled succinctly and accurately. Screens have a consistent layout, so users quickly learn and adapt. Each screen mirrors the processes within the business, ensuring discipline, clarity and control.



Return on Investment

Aerotrac offers the opportunity to make a rapid return on investment. The enhanced functions and improved visibility reduce duplication, and increase the speed at which accurate data can be collected and utilised. Aerotrac allows the opportunity to confidently expand the business into new areas.

Data You Can Trust



Aerotrac is exceptionally robust and stable. Controlled data input produces reliable output. System defaults control the integrity of data that is entered, ensuring that vital information is not missed, thereby reducing the possibility of costly errors and improving quality.



Commercial Benefits

Access the data needed to identify the strengths and weaknesses within the business. Improve turn-time performance, provide better service levels, reduce costs, increase profit margins, enhance Customer communications, reduce disputed invoices and improve cashflow.

Greater Speed and Security



Extensive drill-down functionality, single point of entry for most data, user friendly screens, and automated functions all contribute to rapid accomplishment of day-to-day tasks. Administrator-defined control of screen access ensures security and accuracy of data.



Value for Money

Aerotrac offers an unrivalled level of functionality at an affordable price, with no hidden costs. After-sales service levels are second to none, and support contracts provide genuine peace of mind. This all adds up to a package that offers unbeatable value for money.

Outstanding Support



Aerotrac is delivered with total commitment from Tracware to ensure that soft ware will work for you, and meet and exceed your expectations. Tracware understands that your success will also lead to our success.



Mobility

The availability of web-based functionality suitable for tablets and other hand-held devices that can be used when away from a pc or from base offer new levels of efficiency, freedom and flexibility.

Aerotrak v2.50

- Feature Rich

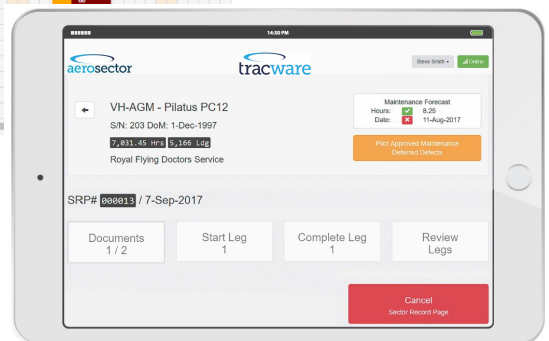
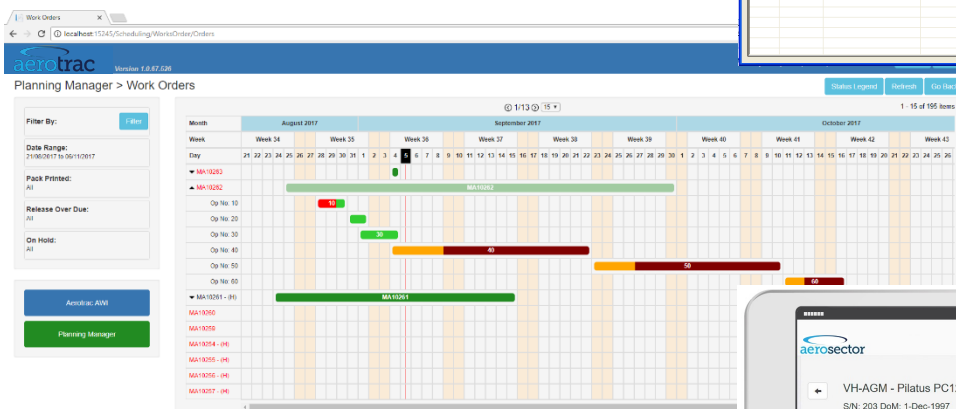
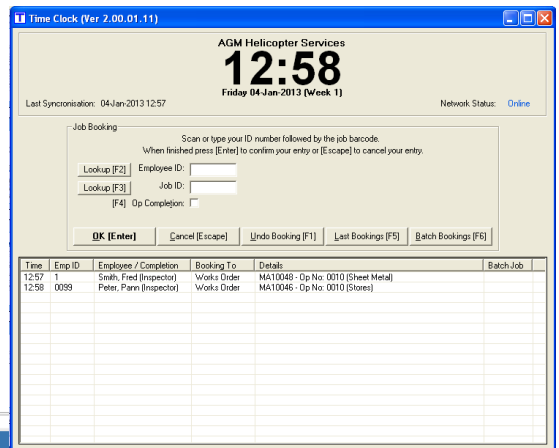
Core Product – Parts Manufacture, Inventory and Financial Management including:

- Administration and Security
- Part Master Control
- Multi-level Bill of Materials (Kit List) Creation
- Master Routing Templates for Work Order Instructions, tools and drawings applicable to the manufacture of the part.
- Work Order Creation
- Works Order Scheduling
- Works Order Costing
- Auto Printing of various reports to complete the work pack
- Lower level Work Order creation
- Work Order Inspection processes
- Alternative / Superceded Parts option
- Stock Grouping
- Multi-Warehousing and Areas
- Default Bin locations for stock types
- Multiple Stock Conditions and Stock Types
- Drawing Library for control of engineering drawings and specifications
- Tooling Library and Register for control and maintenance
- Sales Order Processing
- Sales Quotations
- Sales Invoicing and Credit Notes
- Customer Details set-ups
- Selling / Buying Prices, History and Defaults
- Purchase Order Processing, Stock, Commercial, Service, Process, Drop Ship and Warranty
- Request for Quotations for all Order types.
- Purchase 'Request To Order' process governed by financial levels of authority
- Returned Materials Processing
- Unit of Measure conversions
- Consignment Stock
- Exchange / Rotable / Capitalised Items
- Personnel for timesheet requirements and time collection
- Nominal / GL Financial set-ups
- Multi-Currency and Multi-Tax regimes
- Track Accounts receivable
- Aged Stock / Slow-moving Stock Reports
- Stock Valuation reports including previous periods
- Data Export of Sales, Purchase and Nominal Ledger transactions
- Full Batch and Serial Number Traceability
- Control of defects and discrepancies, vendor rating and inspection processes
- Issue, Change Control History
- Min / Max / Safety Stock Reporting
- Shelf Life Control
- Stock Allocations / Reserving
- FIFO / Select Batch Picking
- Order Expediting
- Purchase Invoice Processing
- Track Accounts Payable
- Release Certificate issue and control
- Quality Controlled Stock Receipt and Issue
- Links to Scanned Documents
- Status Board for viewing issues requiring action and review
- Reporting module with more than 100+ management reports

Aerotrac v2.50 - Modular

Supplementary Modules:

- Contract Manager for estimating and advanced ordering
- Planning Manager for viewing production expectations
- Management of Accounts interface for passing cost of sales into industry standard financial packages
- MRO for managing maintenance, repair and overhaul of the organisation's parts capability listing
- AWI for viewing key data remotely and management of supporting actions for production needs
- Crystal Reports for dovetailing bespoke reports into Aerotrac Premium + reports menu
- Time Clock for booking labour hours onto works orders via barcode readers
- Time and Attendance and employee rostering
- Publications for controlling OEM documentation, safety bulletins, maintenance and parts manuals
- Shipping for organising packing lists and Intrastats
- MRP and Master Production Scheduling
- Aerosector E-Tech log for submitting aircraft utilisation data



Company and Financial Setup

Company

Aerotrak v2.50 in its administration guise uses screen input to setup the company's fundamental attributes.

- **Administrator** – Company Setup, User Setup, Permissions, Library of Notes, Import of Balances, Crystal Reports and Data Importer
- **Commercial** – Customer Types, Estimates and Invoices, Holding Reasons, Regions and Sales Orders
- **Finance** – Financial Setup, Ledger Codes and Period Details
- **Materials** – Part Setup, Locations, Purchase Orders, Re-Order Drivers, Stock Areas, Stock Groups, Supplier Scopes and Warehouses
- **Personnel** – Employee Details, Work Profiles, Personnel Setup
- **Quality** – Supplier Details, Training and Accreditation Recording, Change Control, Approval Types, Audit Types, Certification, Stock Conditions, Drawing Types, Eligibilities, Fault Rejection Codes, Inspection Licence Types, Release Types, Supplier Scopes, Training Courses, Tooling Setup and Quality Reports
- **Scheduling** – Work Centres
- **Shipping** – Commodity Codes, Countries, Packaging Types, Shipping Types and Shipping Terms

Financial

Financial Setup enables the organisation to build a full set of Financial controls and Management Accounting Reports.

- **Accounting Options and Stock Movement Categories**
- **Bank Details**
- **Freight Uplift**
- **Payment Terms**
- **Currencies**
- **Tax Codes**
- **Contract Categories**
- **Ledger Codes**
- **Analysis Codes**
- **Balance Sheet**
- **Profit and Loss**
- **Cost of Sales Codes**
- **Sales Default Codes**
- **Period Details**

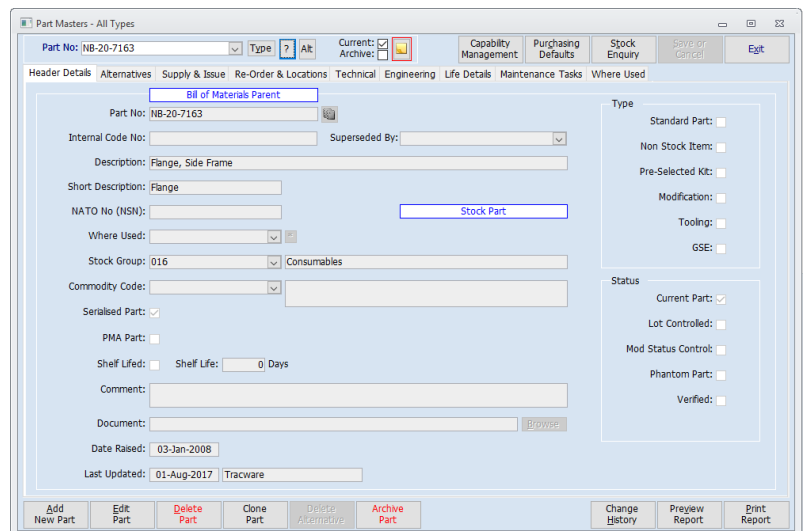
Manufacturing Core Setup

Part Master

The Part Master is the foundation for process control in Aerotrac v2.50 and is the key to the software's functionality, stability and versatility. It provides a unique reference point where basic defaults are stored for the part.

These defaults enforce discipline for how the part is processed throughout the organisation. There are some 80+ controls and data elements that determine a part's attributes.

- **Administrator** – Company Setup, User Setup, Permissions, Library of Notes, Import of Balances, Crystal Reports and Data Importer
- **Part Type** – Stock Part, Non Stock Item, Pre-Selected Kit, Modification and Tooling
- **Header Details** – Part Number, Internal Code No, Description, Short Description, NSN, Stock Group, Commodity Code, Serialised Part, Shelf Lived, Superseded by, Standard Part and Lot Controlled
- **Supply and Issue** – Make, Dual Source, Buy, Manufacturer, Preferred Supplier, Stocking Units, Buying Units, Sub-Contract, Capitalised Item, Spareable, Controlled Floor Stock, COSHH Applicable and DGD Declaration Required
- **Re-Order and Locations** – Re-Order Point, Re-Order Qty, Safety Stock, Default Stock Locations
- **Engineering Display** – Drawing No, Drawing Issue, Route Master, Bill Of Materials Defined, Economic Batch Qty, Standard Cost, Last Serial No, Serial Prefix, Serial Suffix and Next Serial No
- **Technical** – ATA Chapter References and Product Group
- **Capability Management** – Release Types and Approvals
- **Where Used**
- **Alternatives**
- **Life Details**



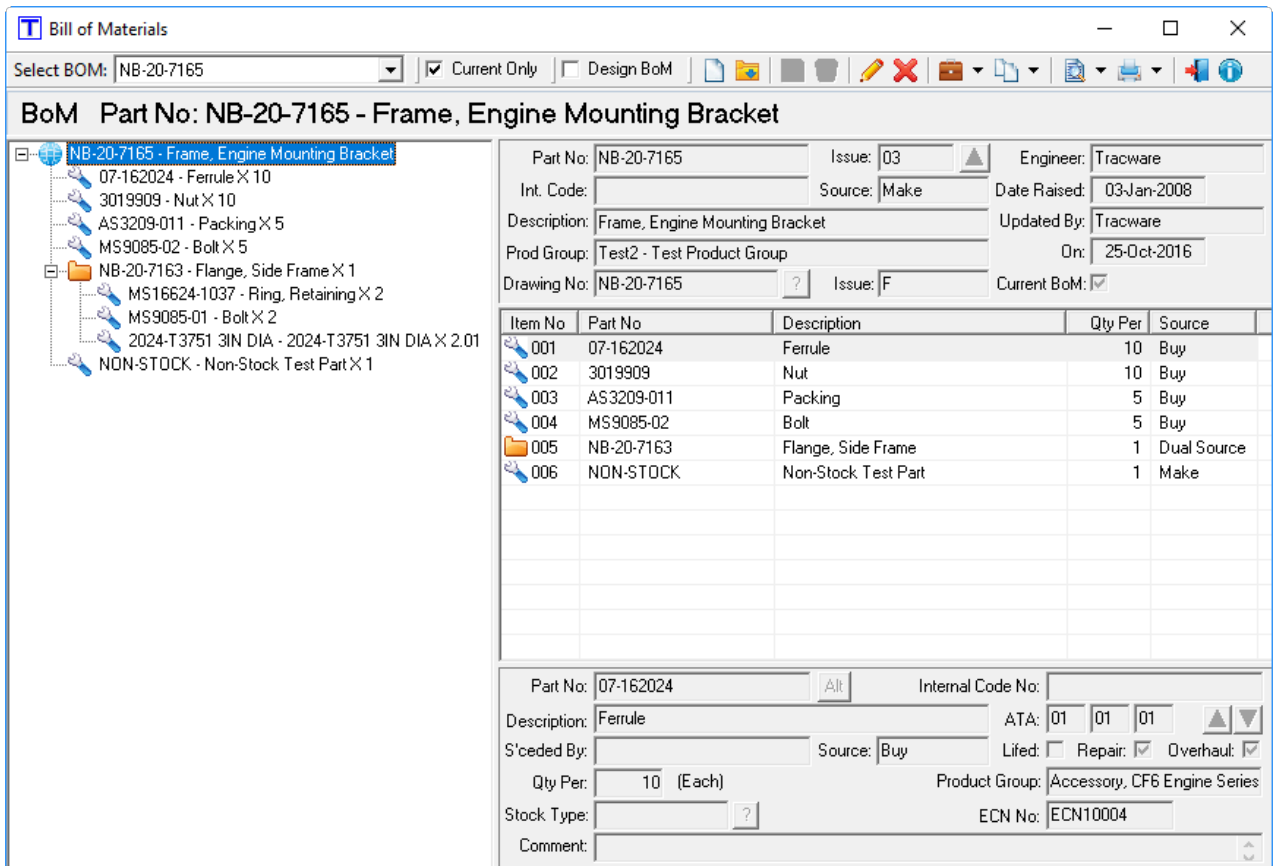
Manufacturing Core Setup

Bill of Materials (BoM)

The Bill of Materials defines the kit of parts for one manufactured item or assembly. AeroTrac v2.50 BoM is fully multi-level and, when defining a Works Order for a manufactured part or assembly, the BoM is imported.

The hierarchy is determined by adding parts or assemblies to the currently selected part.

The BoM is issue controlled and displays any associated drawing information.



BoM Part No: NB-20-7165 - Frame, Engine Mounting Bracket

Item No	Part No	Description	Qty Per	Source
001	07-162024	Ferrule	10	Buy
002	3019909	Nut	10	Buy
003	AS3209-011	Packing	5	Buy
004	MS9085-02	Bolt	5	Buy
005	NB-20-7163	Flange, Side Frame	1	Dual Source
006	NON-STOCK	Non-Stock Test Part	1	Make

Manufacturing Core Setup

Route Master

The Route Master is the default sequence of operations needed to manufacture a part/assembly right through the facility from raw material/part receipt through manufacture, final inspection and receipt to inventory.

The Route Master describes the steps or operations (Ops) that need to be followed to complete manufacture in accordance with the design authority. When defining a works order the Route Master can be imported to save valuable input time.

Defined in the Route Master:

- **Op No** for the sequence of operations which can be set as an inspection or sub-contract stage if required
- **Op Instructions** for summary narrative
- **Work Centre** for where the work is carried out
- **Complete Instructions** for full narrative on Op Instructions
- **Time Allotment** for entering lead time and queue in days, setup time and run time per item in minutes
- **Drawing Required** for targeting a specific drawing to the Ops
- **Tooling Required** for targeting a specific tool to the Ops
- **Engineering defaults** for economic batch quantity, setup, build time, lead and queue for economic batch quantity

Route Masters - Engineering

Select Route: RN1027 ? Approved: Live:
 Unapproved: Alt: **New Build** Save or Cancel Edit

Route Header Details
 Route No: RN1027 Issue No: 01 Form No: RN1027 Approved: Approver: Tracware
 Part No: NB-20-7163 Rework Group: Modifications
 Description: Flange, Side Frame
 Workscope Detail: New Build Last Updated: 10-Oct-2016 Tracware
 Comment:

Item	Workcentre	Instruction	Stage	Lead	Queue	Setup Time	Per Item
0010	M001	Stores Issue Material		1	1	00:00	01:00
0020	M002	Fabricate to Drawing		1	0	00:00	01:00
0030	M003	Machine the bit		1	0	01:00	05:00
0040	010	Sub contract	I/S	10	0	00:00	01:00
0050	M004	Paint the bit		1	0	00:00	01:00
0060	009	Final Inspection	I	2	1	00:00	01:00

Instruction Details Complete Instructions Time Allotment Drawings Required Tooling Required Kits Required Engineering Defaults

Item No: 0060 Workcentre: 009 Inspection - Final
 Instruction: Final Inspection
 for Notes Library for full edit window

(I) Inspection Stage:
 (S) Sub-Con Stage:
 (T) Test Stage:

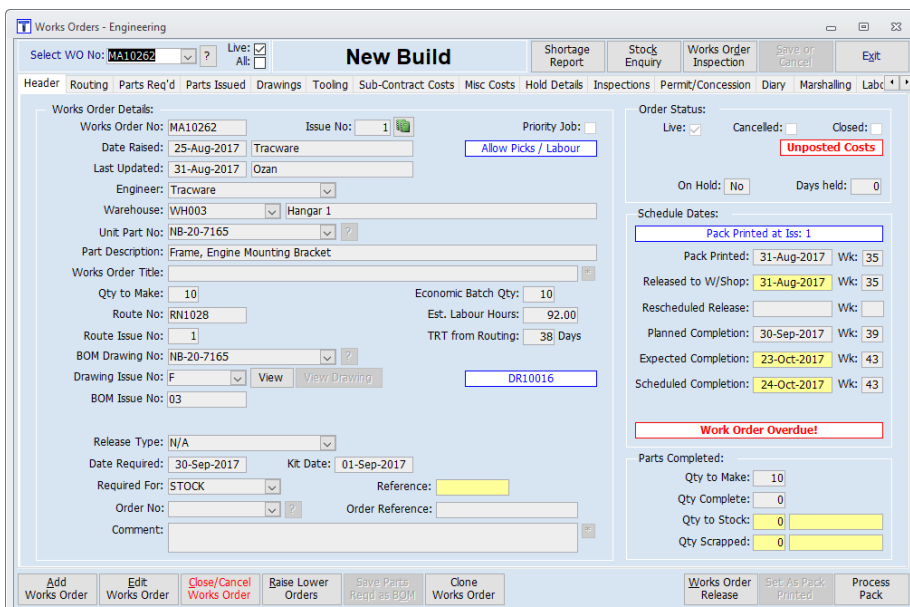
Add New Route Edit Route Done Route Delete Route Add New Item Delete Item Resequence Items Change History Preview Report Print Report

Rapid, Efficient Production

Work Orders for Manufacturing Parts, Assemblies, Re-work and Aircraft Modifications

The creation and management of even the most complex manufactured items is made simple and quick in AeroTrac v2.50. A host of technical, logistical, progress and quality stages are available in a single area just a mouse click away. This allows the user to see at a glance the general health of the Works Order in question. Visible to the user are:

- **Header Information** showing the important summary information about the Works Order at a glance
- **Routing** for the Ops needed to be carried out and their respective status
- **Parts Required** for the materials listing needed to furnish the order and their source from inventory
- **Drawings** for those drawings required
- **Tooling** for those tools required
- **Sub-Contract Costs** for the costs associated to Process Orders assigned to Sub Contractors
- **Misc. Costs** for showing miscellaneous costs assigned to the order
- **Hold Details** listing those reasons that have halted the order
- **Inspections** listing the status of those Ops marked as inspection stages
- **Marshalling** giving a representation of the logistical status of the Works Order kit



Works Orders - Engineering

Select WO No: MA10262 Live: Alt: **New Build** Shortage Report Stock Enquiry Works Order Inspection Save or Cancel Exit

Header Routing Parts Req'd Parts Issued Drawings Tooling Sub-Contract Costs Misc Costs Hold Details Inspections Permt/Concession Diary Marshalling Labr

Works Order Details:

Works Order No: MA10262 Issue No: 1 Priority Job:
 Date Raised: 25-Aug-2017 Tracware Allow Picks / Labour
 Last Updated: 31-Aug-2017 Ozan
 Engineer: Tracware
 Warehouse: WH003 Hangar 1
 Unit Part No: NB-20-7165
 Part Description: Frame, Engine Mounting Bracket
 Works Order Title:
 Qty to Make: 10 Economic Batch Qty: 10
 Route No: RN1028 Est. Labour Hours: 92.00
 Route Issue No: 1 TRT from Routing: 38 Days
 BOM Drawing No: NB-20-7165
 Drawing Issue No: F View View Drawing DR10016
 BOM Issue No: 03

Release Type: N/A
 Date Required: 30-Sep-2017 Kit Date: 01-Sep-2017
 Required For: STOCK Reference:
 Order No: Order Reference:
 Comment:

Order Status:

Live: Cancelled: Closed:
 Unposted Costs
 On Hold: No Days held: 0

Schedule Dates:

Pack Printed at Iss: 1
 Pack Printed: 31-Aug-2017 Wk: 35
 Released to W/Shop: 31-Aug-2017 Wk: 35
 Rescheduled Release: Wk:
 Planned Completion: 30-Sep-2017 Wk: 39
 Expected Completion: 23-Oct-2017 Wk: 43
 Scheduled Completion: 24-Oct-2017 Wk: 43
 Work Order Overdue!

Parts Completed:

Qty to Make: 10
 Qty Complete: 0
 Qty to Stock: 0
 Qty Scrapped: 0

Add Works Order Edit Works Order Close/Cancel Works Order Raise Lower Orders Save Parts Read as BOM Clone Works Order Works Order Release Set As Pack Printed Process Pack

Rapid, Efficient Production

Works Order Process Pack

Tracware has developed a comprehensive yet simple way to produce Work Packs for Aerotrak v2.50, because many manufacturers require different things from their Works Order documentation. To cater for these needs we have created a suite of individual reports that can be chosen individually or grouped as a set, plus the option of allowing user defined forms.

Here are some core examples: Job Progress Sheet and Index, Routing Inspection Records and Parts Required:

PROCESS PACKAGE		MA10048	
MANUFACTURING WORKS ORDER		Issue: 1	
Part No: MB-29-7465	Description: Frame, Engine Mounting	Priority	
Qty: 10			
CONTENTS LIST			
Item	Form No.	Description	
1	EN0002	Parts Required (Kit List)	
2	EN0003	Routing (Including Releases (Applicable) and Inspection Record	
3	EN0017	Job Progress Sheet and Index	
4	EN0019	Complete Instructions	
5	EN0024	Drawings Required	
6	EN0025	Tooling Required	
7	EN0029	Rework Statement and Minor Deviations	
PROGRESS SHEET			
Qty: 10	Economic Batch Qty: 10	Date Raised: 03-Jan-2013	
Route Master: RH1029	Issue: 1	Required: 04-Feb-2013	
BOM Drawing: 759	Issue: 2	Suggested Release: 07-Jan-2013	
Planner: Transare	BOM Issue: 03	Released to W/Shop: 04-Jan-2013	
Required For: Stock	Scheduled Completion: 08-Feb-2013	Estimated Labour: 22 Hour	
Release Type: N/A(CAA0002)	Total TRT: 25	Days	
SHORTAGES			
Item	Qty	Source	Date Due
AUTHORISATION			
Planner:	Name/Stamp:	Date:	
Approved:	Name/Stamp:	Date:	

PROCESS PACKAGE		MA10048
MANUFACTURING WORKS ORDER		Issue: 1
Part No: MB-29-7465	Description: Frame, Engine Mounting	Priority
Qty: 10		
Routing		
Op. Work	Drawing	Setup Time/
Job Centre	Instruction	(to Issue) Time Per Batch
0010 Sheet Metal	Strip Edge Materials	0:00
0020 Machine Shop	Cut raw material to profile using lot MB-29-1950-0-3	0:00
0030 Machine Shop	Machine 1/2" Dia Bar	2:00
0040 Sub Contract	Sub Contract	0:00
0050 Sub Contract	Do some more sub con work	0:00
0060 Inspection - Final	Final Inspection	0:00
Inspection	City Passed	City Sign

PROCESS PACKAGE		MA10048				
MANUFACTURING WORKS ORDER		Issue: 1				
Part No: MB-29-7465	Description: Frame, Engine Mounting	Priority				
Qty: 10						
Parts Required						
Item No.	Part No.	Description	Part Desc	Qty Req	Unit	Unit
0001	07-162024	Female		10	100	Each
0002	3019809	Nut		10	100	Each
0003	AS3208-011	Packing		5	50	Each
0004	MS16024-107	Ring, Retaining		2	20	Each
0005	MS5005-01	Bolt		2	20	Each
0006	MS5005-02	Bolt		5	50	Each

Other documents include:

- Finished Goods and Certificate of Compliance
- Complete Instructions
- Drawings Required
- Tooling Required
- Rework Statement and Minor Deviations
- User Defined as required

Use Your Resources

Inspection

Managing inspection stages is vital in manufacturing Organisations and AeroTrac facilitates these checks and balances with a dedicated section for Works Orders. Only the users with the necessary authority can process inspection stages.

Works Order Inspection

 Release Certificate
 Works Orders

Select Order: ?
 Live:
 Closed:
 Warehouse:

Works Order Details:
 Works Order No: Live:
 Issue No: BOM Issue No: Closed:
 Part Number: Cancelled:
 Part Description: Stock Batch No:
 BOM Drawing No: Drawing Issue No:

Release Date: Qty to Make:
 Date Required: Qty Complete:
 Qty to Stock:
 Qty Scrapped:

Op	Workcentre	Instruction	Final	Passed	Failed	Inspected	Inspected By	Status
0040	Sub Contract	Sub contract	No	3		04-Sep-2017	Edney, Terry	
0060	Inspection ...	Final Inspection	Yes	3		04-Sep-2017	Edney, Terry	

Inspection Detail:
 Op No: Workcentre: Inspection - Final
 Instruction:

Final Inspection
 Comment:

Qty:
 Date:

Inspected By:

Updated:

Employee ID:

Serial Number	
<input checked="" type="checkbox"/> TAE0073	
<input checked="" type="checkbox"/> TAE0074	
<input checked="" type="checkbox"/> TAE0075	

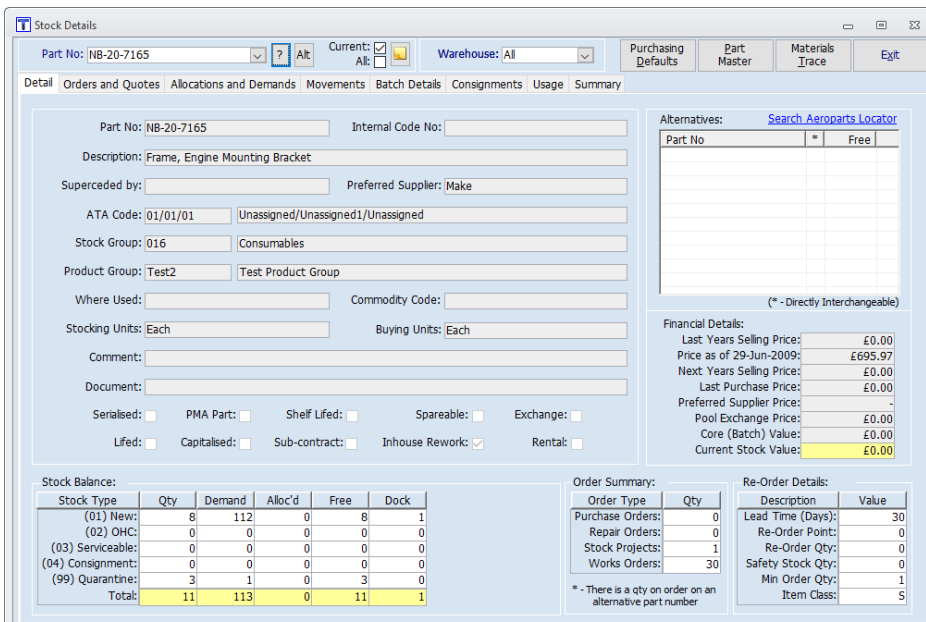
Improved Visibility

Inventory Management

Disciplined inventory management is fundamental to the success of any organisation holding and consuming inventory. AeroTrac v2.50 gives the user a suite of tools to monitor and manage inventory. All part receipts and issues are carefully controlled to give accurate and fully traceable transactions.

Features include:

- Multiple Warehousing allowing transfer of parts between bases
- Detailed batch and serial number trace
- Multiple stock types; new, serviceable, overhauled, consignment and unserviceable
- Stock group and item (ABC) classification
- Ageing stock analysis
- Perpetual inventory counting
- Re-order reports
- Shortage reports
- Usage history
- Complete stock detail information at a glance



The screenshot shows the 'Stock Details' window for part number NB-20-7165. The interface includes a top navigation bar with tabs for 'Detail', 'Orders and Quotes', 'Allocations and Demands', 'Movements', 'Batch Details', 'Consignments', 'Usage', and 'Summary'. The main area is divided into several sections:

- Part Information:** Part No: NB-20-7165, Description: Frame, Engine Mounting Bracket, Internal Code No., Superceded by, Preferred Supplier: Make, ATA Code: 01/01/01, Stock Group: 016, Product Group: Test2, Test Product Group, Where Used, Commodity Code, Stocking Units: Each, Buying Units: Each, Comment, Document.
- Serialisation:** Serialised, PMA Part, Shelf Lived, Spareable, Exchange, Lfied, Capitalised, Sub-contract, Inhouse Rework, Rental.
- Financial Details:** Last Years Selling Price: £0.00, Price as of 29-Jun-2009: £695.97, Next Years Selling Price: £0.00, Last Purchase Price: £0.00, Preferred Supplier Price: -, Pool Exchange Price: £0.00, Core (Batch) Value: £0.00, Current Stock Value: £0.00.
- Stock Balance Table:**

Stock Type	Qty	Demand	Alloc'd	Free	Dock
(01) New:	8	112	0	8	1
(02) OHC:	0	0	0	0	0
(03) Serviceable:	0	0	0	0	0
(04) Consignment:	0	0	0	0	0
(99) Quarantine:	3	1	0	3	0
Total:	11	113	0	11	1
- Order Summary:** Purchase Orders: 0, Repair Orders: 0, Stock Projects: 1, Works Orders: 30.
- Re-Order Details:** Lead Time (Days): 30, Re-Order Point: 0, Re-Order Qty: 0, Safety Stock Qty: 0, Min Order Qty: 1, Item Class: S.

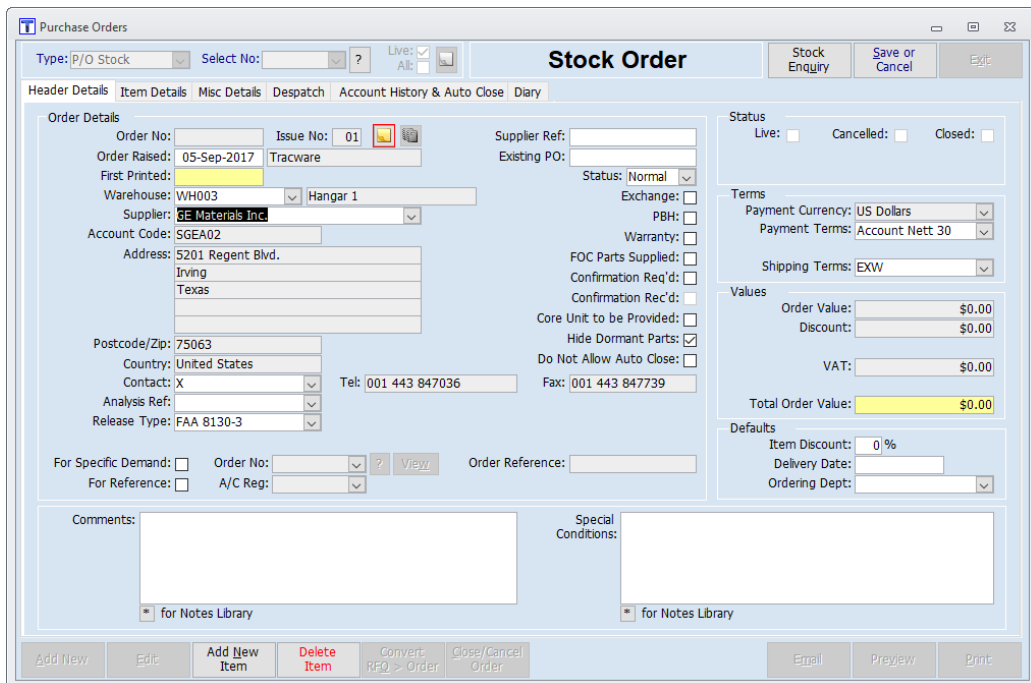
Process-led Functionality

Purchase Order Processing

Aerotrak v2.50 processes the supply chain for all materials needed to support manufacturing and infrastructure demands. The product will manage each supplier for suitability and scope of supply.

Features include:

- Purchase Orders for Stock, Non-Stock, Service, Sub-contract Repair, Process Orders and Drop Shipment
- Request for Quotations (Morphed into Purchase Orders upon acceptance)
- Request to Order process controlled by pre-defined financial levels of authority (Morphed into Purchase Orders upon acceptance)
- Supplier Auditing
- Warehouse(s) specific if multiple warehouses implemented
- Fast track goods receiving function
- Account history
- Diary



The screenshot displays the 'Purchase Orders' window in Aerotrak v2.50, specifically for a 'Stock Order'. The interface is organized into several sections:

- Header:** Includes 'Type: P/O Stock', 'Select No:', 'Live: [checked]', and 'Alt: [icon]'. The main title is 'Stock Order'.
- Navigation:** Tabs for 'Header Details', 'Item Details', 'Misc Details', 'Despatch', 'Account History & Auto Close', and 'Diary'.
- Order Details:**
 - Order No: [input], Issue No: 01
 - Order Raised: 05-Sep-2017, Tracware
 - Supplier Ref: [input], Existing PO: [input]
 - Warehouse: WH003, Hangar 1
 - Supplier: SGE Materials Inc.
 - Account Code: SGEA02
 - Address: 5201 Regent Blvd., Irving, Texas
 - Postcode/Zip: 75063, Country: United States
 - Contact: X, Tel: 001 443 847036, Fax: 001 443 847739
 - Analysis Ref: [input], Release Type: FAA 8130-3
- Status:** Live: [checkbox], Cancelled: [checkbox], Closed: [checkbox]. Status dropdown is set to 'Normal'.
- Terms:** Exchange: [checkbox], PBH: [checkbox], Warranty: [checkbox], FOC Parts Supplied: [checkbox], Confirmation Req'd: [checkbox], Core Unit to be Provided: [checkbox], Hide Dormant Parts: [checked], Do Not Allow Auto Close: [checkbox].
- Payment:** Payment Currency: US Dollars, Payment Terms: Account Nett 30.
- Shipping:** Shipping Terms: EXW.
- Values:** Order Value: \$0.00, Discount: \$0.00, VAT: \$0.00, Total Order Value: \$0.00.
- Defaults:** Item Discount: 0%, Delivery Date: [input], Ordering Dept: [input].
- Comments:** Two text areas for 'Comments' and 'Special Conditions', both with 'for Notes Library' links.
- Buttons:** Add New, Edit, Add New Item, Delete Item, Convert RFO > Order, Close/Cancel Order, Email, Preview, Print.

Save Time – Use Your Data

Status Board

The Status Board provides real-time snapshots of the most vital information that affects your business. As an electronic in-tray it saves the user the need to print various paper reports for further action. The Status Board provides a graphical representation of some key areas that require users to follow up. From the Status Board the user can automatically process potentially laborious everyday tasks.

Features include:

- Stock – Automated re-ordering of parts below minimum stock levels. Simply tick the boxes, click ‘Order Items’ and the Status Board automatically creates a Purchase Order or adds to an existing one
- Shelf Life Stock / Tool Calibration expiry control – customisable alerts to flag parts and tools about to expire, with the ability to auto-generate internal or external orders
- Demand – Identification and automated ordering of material shortages - reviews material shortages for Manufacturing Orders across the business, including analysis of alternative stock and inventory in other warehouses
- Available / Unallocated Stock – simple automated allocation or FIFO of stock to Works Orders and Sales Orders
- Overdue Deliveries – Auto-generate expedite requests to vendors for swift progress chasing
- Scheduling – Colour coded ‘traffic light’ screen to indicate the status of work in progress (WIP)
- Invoicing – Displays Sales and Purchase invoices for settlement
- Shipping – Displays packing list/delivery note status
- Requests – Displays general actions requiring users’ attention

The screenshot displays the AeroTrak Platinum software interface. The main window is titled 'AeroTrak Platinum' and shows a navigation tree on the left with categories like AGM Helicopter Services, Finance, Materials, and MRO. The main area contains several data tables:

- Parts With Demand - 63 Items:** A table with columns for Part No, Description, Type, Pref'd Supplier, Req'd, Free, All Wh, Ord'd, and Unauth. It lists items like Dimmer-4 Channels, T1 Wheel, T4 Wheel, Washer, T3 Wheel, Support Assy, Nozzle, Filament, Pin, and Bolt.
- Required For - 1 Items:** A table with columns for Order No, Date Req'd, State, Req'd, Alloc, Pick, A/C Reg, M/R No, Ord, Part No, and Free. It shows a requirement for SP10059 on 04-Jan-2013 with state AOG.
- Demand Fulfillment - 2 Items:** A table with columns for Order No, Date Due, Qty, Type, Specific Demand, Status, and Supplier. It shows fulfillment for PO10710 and TX10028.

At the bottom, there are fields for 'Time Refreshed: 05-Sep-2017 15:57:24' and 'Warehouse: WH003', along with buttons for 'Order Items' and 'Refresh Details'.

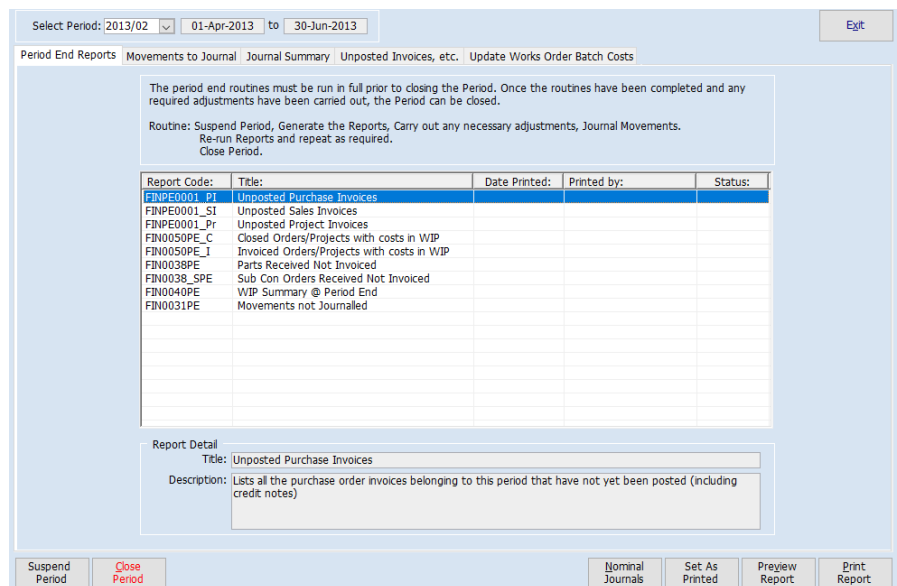
Peace of Mind

Financial Controls

Financial controls are made simple, automated and secure. AeroTrac v2.50 provides audit-trail type reporting to facilitate easy reconciliation. All Sales, Purchase and Nominal Ledger transactions are managed by default settings, including summary and detailed Work in Progress and Cost of Sales reports. AeroTrac has 50+ standard financial reports providing the Customer with a means to track costs, revenue and profitability on all production activity.

Features include:

- Data transfer to Standard Accounting Solutions (restrictions may apply)
- Financial Holds
- Stock Valuation
- Ageing Stock reports
- GRNI reporting / Stock Accrual
- Instant WIP valuation
- Detailed Cost of Sales reporting
- Purchase Invoice / Sales Invoice posting
- Nominal Journal feature
- Simple Period End routine
- Capitalised Asset control



Select Period: 2013/02 | 01-Apr-2013 to 30-Jun-2013 | Exit

Period End Reports | Movements to Journal | Journal Summary | Unposted Invoices, etc. | Update Works Order Batch Costs

The period end routines must be run in full prior to closing the Period. Once the routines have been completed and any required adjustments have been carried out, the Period can be closed.

Routine: Suspend Period, Generate the Reports, Carry out any necessary adjustments, Journal Movements.
Re-run Reports and repeat as required.
Close Period.

Report Code:	Title:	Date Printed:	Printed by:	Status:
FINPE0001_PI	Unposted Purchase Invoices			
FINPE0001_SI	Unposted Sales Invoices			
FINPE0001_Pr	Unposted Project Invoices			
FIN0050PE_C	Closed Orders/Projects with costs in WIP			
FIN0050PE_I	Invoiced Orders/Projects with costs in WIP			
FIN0038PE	Parts Received Not Invoiced			
FIN0038_SPE	Sub Com Orders Received Not Invoiced			
FIN0040PE	WIP Summary @ Period End			
FIN0031PE	Movements not Journalled			

Report Detail

Title: Unposted Purchase Invoices

Description: Lists all the purchase order invoices belonging to this period that have not yet been posted (including credit notes)

Suspend Period | Close Period | Nominal Journals | Set As Printed | Preview Report | Print Report

Data Collection – Aerotrak has it covered

Time Clock Bar-coded Time Collection

If you want to record labour on your production activity then AeroTrac has that covered with the interfacing TracWare 'Time Clock' application. Time Clock (installed on any client PC with a bar code reader) is capable of recording all time booked to Works Orders at operation (Op.) level. This dovetails into Aerotrak v2.50 and provides Management with real-time progress on Works Orders.

Features include:

- Complex Work Profiles for those organisations that have multiple shifts
- On – Off shift booking
- Day and Night shift booking
- Auto Tea Break deductions
- Non – Productive bookings
- Absence / Holiday recording
- Batched booking
- Enforced booking to tasks

The image displays three overlapping screenshots of the Aerotrak software interface:

- Routing:** A window showing production routing details for Route No: RN1028, Issue No: 1. It lists operations such as '0010 Sheet Metal Stores Issue Materials', '0020 Machine Shop Out raw material to profile using loft', and '0030 Machine Shop Machine 12" Dia bar' with associated setup times and TRT values.
- Time Clock (Ver 2.00.01.11):** A window for 'AGM Helicopter Services' showing the current time as 12:58 on Friday 04-Jan-2013 (Week 1). It includes fields for Job Booking, Employee ID, and Job ID, along with a table of booking records.
- Work Profiles:** A window for configuring work profiles, showing tabs for Working Days, Working Weeks, Work Patterns, DCS Overtime Rules, and Public Holidays. It includes a table for Day Description and settings for Day Detail and Automatic Tea Breaks.

Visualise It

Planning Manager

An optional integrated module for AeroTrac v2.50™. Used for Production Management to instantly visualise the health and progress of Works Orders. With a drill-down capability at individual Op. level, the user can evaluate at each step where intervention is required. Colour coded to show the state of progress, shortages, labour bookings, tools and bottlenecks.

Employee Roster

View details of employee time and shifts

Employee Roster

Workshop Projects

View details of Workshop Projects

Workshop Projects

Quality Audit

Quality Audit

Quality Audit

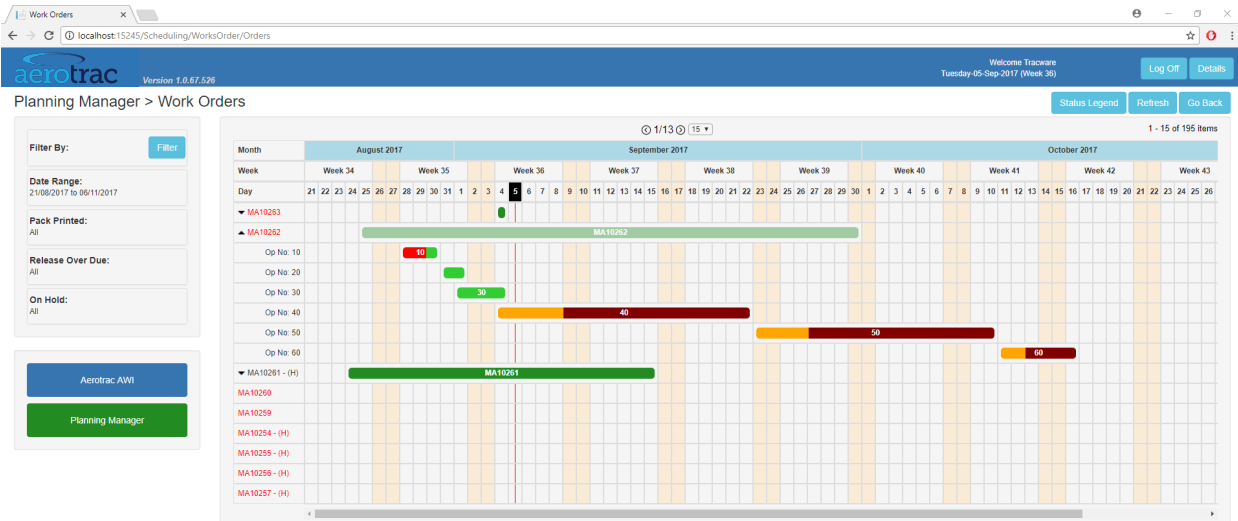
Work Orders

View details of Work Orders

Work Orders

Additional Modules include:

- Employee Rostering - managing workers activities based upon availability and qualification
- Quality – displaying Supplier, Internal Audit schedules
- Workshop Projects – graphic display of progress and bottlenecks



Contact Tracware

Brochures

If you would like more information on our software, please contact us and let us know what area of the industry you are involved with and we will send you the relevant information. Alternatively, you can download brochures in a PDF direct from our website.

Demonstrations

If you would like a demonstration of the software, we would be delighted to arrange a visit at your convenience. Alternatively, we can arrange for an 'on-line' demonstration for overseas interest.

info@tracware.com

www.tracware.com