



PENTAGON 2000SQL

SOFTWARE EMPOWERING THE ENTERPRISE

Total Aerospace & Defense
Software Solutions

Powered By **PENTAGON 2000SQL** :

Inventory
Management



Parts
Distribution



Repair &
Overhaul



Accounting &
Financials



Aircraft Heavy
Maintenance



Imaging &
Multimedia



Fleet
Management



E-commerce



CRM

ONE SYSTEM

ONE SOLUTION

ONE TIME

About PENTAGON 2000 Software, Inc.

PENTAGON 2000 Software, Inc. is a leading vendor of enterprise software systems used in the aerospace, electronics, defense and related high technology industries. Our software provides fully integrated control and visibility within and across an enterprise, enabling significant improvements in efficiency, productivity and financial performance. For close to twenty years, Pentagon 2000 Software, Inc. has focused on creating software that fully supports the day-to-day operational requirements and strategic vision of hundreds of companies worldwide.

PENTAGON 2000 develops, markets and supports a total software solution based on PENTAGON 2000SQL. Our state-of-the-art software system closely conforms to the unique business processes, quality assurance systems and regulatory requirements found in the commercial and military aerospace sectors. From the moment it is installed, PENTAGON 2000SQL provides a complete, user-friendly, feature rich, fully integrated environment that supports all of an enterprise's general business and aerospace specific activities -- including accounting and financial reporting.

PENTAGON 2000's total software solution is always improving. Development is guided by the operational requirements and best practices of our customers, who rank among the leading companies in the aerospace industry. The system runs in the Microsoft® SQL Server environment and fosters user compliance with FAA, EASA, TC, U.S. DoD, APICS, Six Sigma, IFRS and GAAP regulations, guidelines and recommended procedures.

PENTAGON 2000SQL is the leading, integrated software solution for an entire enterprise or functional business unit engaged in any, or all of the following operations or activities:

- Parts Distribution and Brokerage
- Repair and Overhaul of Complex Equipment
- Aerospace and Defense Logistics Support and Supply Chain Management
- Heavy Aircraft Maintenance, Depot Level Maintenance and Line Maintenance
- PMA, Build-to-Print and Discrete Manufacturing of Technical Products
- Government Contracting
- Commercial or Military Air Fleet Operations
- Fixed Base Operations

TOTAL AEROSPACE & DEFENSE SOFTWARE SOLUTIONS

Materials Management and Parts Distribution

- Unlimited Parts / 30 Character Part Numbers
- Lifetime Part Revision Control and Lifetime Traceability
- Part Search by Multiple, User Defined Filters
- On-Screen, Lifetime History of all Part / Lot Transactions
- Unlimited, Rules-Based PN Alternates (X-Refs) with Interchangeability Control
- Item / Lot Level Costing by Average / Standard / Actual / LIFO / FIFO
- Unlimited Physical and Virtual Warehouses
- Fully-Integrated Bar Code Capability
- Automated Unit of Measure(UM) Conversion
- Integrated Bills Of Material with Unlimited BoM Levels and "BoM Inheritance"
- Warranty Tracking and Shelf Life Tracking by PN and/or Lot
- Integrated Part Configuration Management and Engineering Library Control
- Unlimited Part Categories / Unlimited Attached Notes, Messages and Memos
- End-to-End Management of "Brokered" and "From Stock" Supply Transactions
- One-time Data Entry for all Transactions
- Full Transaction Cycle Audit History
- Advanced Part Sourcing Algorithms with Massive RFQ Broadcast
- Seamless Integration with External Data Services (ILS, PartsBase, USAInfo)
- Unlimited Bill-To / Ship-To / Pay-To Addresses
- Integrated Expediting and Follow-up Tools for all Transactions
- Consolidated Invoices and Shipping Documents
- Integrated Warranty, RMA and Claim Processing
- Integrated Commission Processing
- Includes Electronic Forms for all Transactions
- Pre-formatted FAA, EASA, TC and DoD Forms
- Complete Support of ISO and other QA Standards
- Accommodates US, European, Canadian and Other Tax Regulations
- Full Multiple-Currency Support for all Transactions and Records
- Hundreds of User-Defined, Exportable Reports
- Built-in Data Import / Export Utilities
- On-board Email, Fax, XML Document Delivery



PENTAGON 2000SQL is quite simply the aerospace and defense industry standard for off-the-shelf materials management software. With a full suite of industry-specific and general business modules, PENTAGON 2000SQL provides all materials management, supply chain management, traceability, maintenance, quality assurance and business functions in a single system.



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Special Inventory

PENTAGON 2000SQL's special inventory functions integrate seamlessly, ensuring a total software solution that closely matches your unique business processes, with the flexibility to adapt to changing needs.

ROTABLES and EXCHANGES MANAGEMENT

- Complete Management of Stock and Brokered Exchanges
- Loans and Rentals Management and Tracking
- Fully Integrated with Outside Repair and Accounting
- Lifetime, Specific Identification Cost Tracking
- Core / Part Traceability Maintained through PN and Serial No. Changes
- On-line Automated Cores Due Follow-up and Notifications
- General Ledger Code on Transaction Lines
- Transaction Formulas for Every Method of Core Valuation

CONSIGNMENTS

- Complete Management of Multiple Consigned Inventories
- Unlimited, Segregated Consigned Inventories
- Electronic Import of Consigned Inventory
- Fully Automated Processing of Consignor and Consignee "Split"
- Automatically Calculates the "Split" on Net and Gross Value
- On-line Consignment Balances, Sales and Statistics
- Fully Barcode Enabled

LOT PURCHASE MANAGEMENT

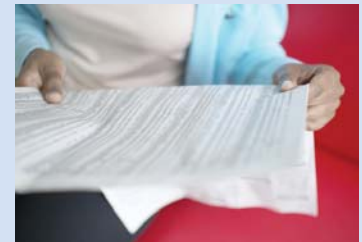
- Complete Management of Multiple Purchased Lots
- Fully Integrated with Materials Management and Accounting
- Unlimited, Segregated Lots
- Automated Lot Costing with Override
- On-line Lot Balances, Lot Sales and Lot Procurement Statistics
- Transaction Line and Lot Valuation Linked to General Ledger



Accounting and Financial Reporting

- Entirely Developed and Maintained by Pentagon 2000 Software, Inc.
- Fully Integrated with All Applicable System Modules, No Repetitive Data Entry
- Supports Multi-Company / Division / Department Environments
- Supports Transactions and Valuations in Multiple Currencies
- Tracks Item Specific ("Real"), LIFO, FIFO and Average Costs
- Complete A/R, A/P and General Ledger Modules
- Options for Burden / Overhead Allocation
- Flexible Accounting Fiscal Year / Period Set-up
- Powerful, Flexible Security and Access Control
- Fixed Assets Management
- Advanced Cost Accounting Functionality
- Flexible, User Friendly Financial Reports Writer
- Multi-level G/L Codes Hierarchy
- Unlimited Journal Entries, General Ledger Transactions
- Supports Work-in-Process Inventory and Labor Costs Tracking
- Automated Recurring Entries
- Automated Bank Reconciliation
- Multi-Bank, Multi-Checkbook Capabilities
- Integrated Check Writer
- Full Support for European VAT and Other Tax Reporting Requirements
- On-line Customer / Vendor Payment Statistics
- Supports GAAP, IFRS and Sarbanes-Oxley Compliance

Operating according to generally accepted accounting practices is the acid test of your business. Pentagon 2000SQL's accounting and financial reporting functions are fully developed and maintained in-house to assure complete integration with all system modules. Thus, data is only entered once, flows to where it belongs and is easy to access for decision making and reporting.



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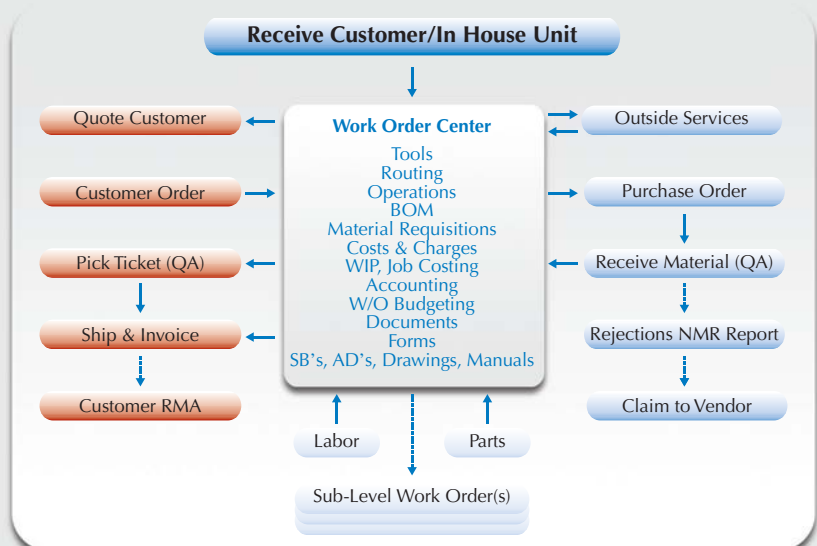
ONE TIME

Work Orders - Repair / Overhaul / Manufacturing / Kitting

For maximum productivity and profit, every element of your complex operation must interact continuously, seamlessly and efficiently. PENTAGON 2000SQL is based entirely on the requirements and suggestions of thousands of aerospace MRO professionals and has been continuously improved since its introduction in 1986. The software is easy to use and fully supports every aspect of your operation out-of-the-box.



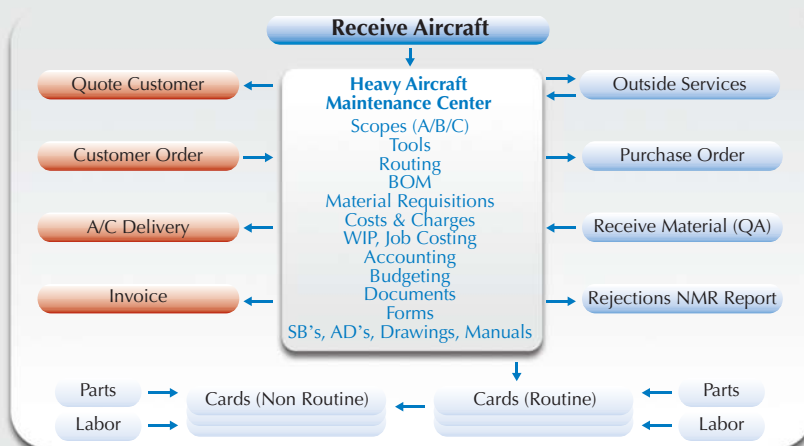
- Complete Control of Teardown, Overhaul, Repair, Manufacturing and Kitting
- Supports Straight, Single and Multi-level WO's
- Accommodates Planned and Unplanned Job Steps
- Incorporates Multiple Bills of Materials and Routing Templates
- User Defined Routing / Traveler Steps with Unlimited Instructions
- Integrated Teardown, Inspection, Discrepancy and Bill of Material Forms
- Links to Manuals, AD's, Drawings, SB's and Technical Specs
- Fully Bar Code Enabled (Labor, Material, and Routings)
- Integrated Real Time Electronic Labor Collection
- Fully Integrated with Exchanges, Cores, Work-In-Process
- Automatic Material Requisitions and Pick Tickets
- Accommodates Multiple Shifts, Skill Levels and Labor Rates
- Work Center, Machine, Equipment and Tooling Assignments
- Flexible Options for Progress Billing and Partial Builds
- Full Process Support of ISO 9001:2000 and other QA Programs
- Email / Fax / XML / Print All Documentation
- Preformatted FAA, EASA and DoD Documents
- Comprehensive Shop Floor Analysis, Materials and Labor Reporting
- Integrates with MS Project
- Complete Integration with Outside Services Management
- Full Part Traceability Maintained through PN and SN Conversions
- Real Time BER (Beyond Economical Repair) Tracking
- Labor and Cost Budgeting with Automatic Notifications for Budget Overruns
- Extensive Reporting Capabilities: Plan vs. Actual, Profits, Labor Efficiency
- Easy Data Transfers Between Work Order and Work Orders Templates
- Extensive Search Capabilities for Main and Sub Assemblies.



Heavy Maintenance for MRO Service Providers and Airlines

- Manage All Line and Heavy Maintenance Checks
- Supports Routine and Non-Routine Work
- Unlimited User-Defined Scopes of Work, by Aircraft
- Simultaneously Manage Multiple Line and Heavy Checks
- Manage Cards by Zone, ATA, Location, User-Defined Categories
- Combine Multiple Scopes into a Single Maintenance Work Order
- Combine Similar Cards from Multiple Scopes
- Produce Unlimited, Routine / Non-Routine Job Cards per Aircraft
- Unlimited Instructions / Notes
- Manage and Track Deferred Cards
- Resource Planning and Scheduling
- Parts Forecasting Based on Maintenance Schedules
- Bar-Coded, Real Time Electronic Labor Time Collection
- “Paperless”, Wireless & RF Data Access Directly From the Aircraft
- Integrated Parts Requisitions and Parts Booking From Shop Floor
- Manage Tools Assigned to Work Orders/Cards
- Tight Integration with Microsoft® Office Products, Including MS Project
- Work-in-Process (WIP) Accounting for Parts and Labor
- On-line Access to Airworthiness Directives and Service Bulletins
- Fully Integrated Electronic Images, Drawings, Video and Audio Files
- Automatic Alerts for Cost Overruns, Budget Constrains and Events
- Complete Maintenance History by Aircraft Make, Model and Serial No.
- Generates Log Book Entries
- Labor Overtime and Shifts Management
- Integrated Real Time Cost and Profit Analysis
- Tightly Integrated with Rotables Management and Outside Services
- Flexible Customer Invoicing Options Including Progress Billing
- Flexible Third Party Billing Options

To drive down costs and compete effectively, third-party MRO providers need more than stand-alone heavy maintenance systems. For maximum productivity all business and engineering functions must integrate seamlessly. As important, the “enterprise solution” must be flexible to adapt to changing customer service requirements and the unique processes of individual companies. Pentagon 2000SQL’s breadth of aviation-specific and general business modules provides maximum enterprise coverage in a single software solution that is simple to install, easy to use and affordable to run.



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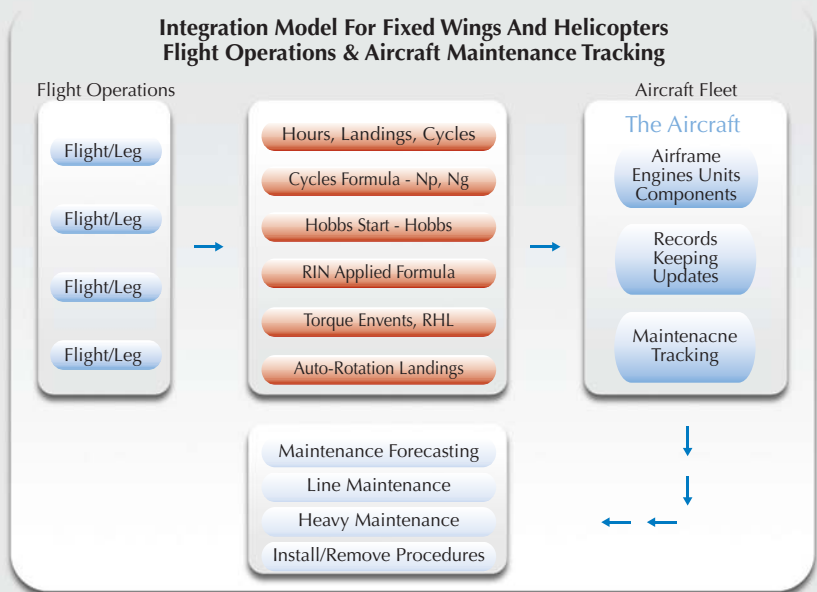
ONE TIME

Aircraft Record Keeping, Aircraft Configuration and Maintenance Forecasting

By integrating flight operations, aircraft maintenance tracking, component record keeping and inventory, PENTAGON 2000SQL provides real-time processing and delivery of airworthiness data on all aircraft in a mixed fleet, as well as on the aircrafts' sub-components and on all managed inventory. PENTAGON 2000SQL's Flight Operations and Record Keeping modules help to ensure a safe, reliable and economic fleet operation. The system is a highly accessible, unified repository of all the necessary data for equipment sales and exchange, and for airworthiness reporting requirements.



- Complete Tracking and Control of Rotary and Fixed Wing Usage Records
- User Determined Data Collection at Component, Sub Assembly and System Levels
- All Data Automatically Updates Across the Configurable System
- User-Defined Formulas Enable Precise Compliance with OEM Specs, SBs and ADs
- Fully Integrated with Flight Operations for On-line Update of Hours / Cycles / Landings
- RIN / Auto-Rotation Calculation and Tracking
- User-friendly Procedure for Component / Engine Install and Remove
- Integrated with Component Warranty and Expiration Date Tracking
- Reference by ATA Chapters / Aircraft Zone and Sub-Zone
- Easy Auto-Update of Components / Engines / Airframe with Undo, Modify Functions
- Tracks MEL / Cargo / Passengers / Weights / Crew Training
- Unscheduled Maintenance Recording
- Electronic Flight Log
- Collects and Reports Data for Reliability Centered Maintenance (MSG-3) and ETOPS
- MTBF / MTBR / MTBM Analysis
- Engineering Reports provides Multiple Views of Component and Aircraft Records
- Easy to Export Technical Records Database
- "As Maintained" Aircraft Configuration Management and Tracking



Enterprise Quality Assurance, Document Imaging and Multimedia

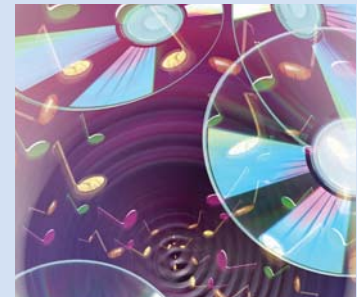
QUALITY ASSURANCE

- One-time Data Entry
- Robust System-wide, Roles-based Access and User Control
- Lifetime Full Traceability and Part Revision Control
- Accommodates Identical PNs for Unrelated Items
- Unlimited, Rules-based PN Alternates with Interchangeability Codes
- Unlimited Bills of Material with "BoM Inheritance"
- Unlimited Configurations by PN and Serial No.
- On-line "As Maintained" History by Individual Aircraft or Assembly
- Embedded Alerts for Procedure and Transaction Violations
- Multiple Approval Levels
- Automatic, Protected, End-to-End Transaction Cycle History
- Multi-dimension Graphical Presentation of all Linked Transactions
- Structured, Barcode enabled Receiving and Shipping Procedures
- Fully Integrated Customer RMA and Vendor Claim Processing
- Automatic Vendor Quality Audit and Supply Chain Performance Reporting
- Tools and Equipment Calibration Tracking and Control
- Employee Training, Certification and Skill Tracking
- End-to-End Procedure and Documentation Support of ISO and other QA Programs
- Pre-formatted, Electronic FAA, EASA, DoD and Material Control Documentation
- Large QA Report Library
- Reliable and Stable MS SQL Database

DOCUMENT MANAGEMENT, IMAGING and MULTIMEDIA

- Complete Integration of In-house and Supplier Originating Documentation
- Accepts All Windows Compatible Image, Video and Audio Files
- Unlimited Image File Capacity
- Multiple Images per Document
- Links Images to Customer, Vendor, Parts , Serial No. and Warehouse Locations
- Scan, Link Images to Receiver / Shipper / Aircraft / Work Order and more
- Fully Integrated with all System Modules
- Integrated Documentation Configuration Management
- Integrated Engineering Library Control
- Automatic Effectivity Check
- Supports Training Videos and Audio Instructions in Maintenance Work Orders
- One-step Document Scanning with Automated Image Indexing
- Print / Fax / Email Scanned Documents and Images
- Provides Images to Mobile / Wireless Devices

Quality Assurance programs and procedures must balance the conflicting requirements of being pervasive and minimally disruptive to operations. Pentagon 2000SQL strikes the balance by integrating appropriate tools throughout the program to support the collection and dissemination of QA data in the normal conduct of business.



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Communications, Work Process Management, E-Commerce

Pentagon 2000SQL includes an array of functions and tools that streamline internal operations and enhance communications with your supply chain partners. Some of these tools, like Events Management and Triggered Notification are "force multipliers" that use technology to significantly reduce workload. Other functions, like Email services and Wireless Connectivity help you take full advantage of the expansive world of information technology. You can even insert Pentagon 2000SQL's secure E-Commerce Module in your website and your supply chain partners will be able conduct all routine transactions with your company anytime, anywhere there is an internet connection.



ENHANCING COMMUNICATION WITH CUSTOMERS AND VENDORS

- International Fax Server with Local Transmitters
- Email Services
- XML Based Document Delivery
- E-Commerce
- Customer/Vendor Call Tracking
- Triggered Notifications

IMPROVING PRODUCTIVITY

- Executive Dashboard
- Events Management
- Credit Card Automation
- Import/Export of Large Data Files
- Full Lifecycle Traceability with Top-to-Bottom, Bottom-to-Top Visibility
- Transaction Based Calls and Events
- Web Interface to External Data Providers
- PDA Integration
- Wireless Connectivity
- Barcode Enabled

TECHNOLOGIES

- Distributed Application Services
- State-of-the-Art SQL Technology
- 3-Tier System Architecture
- Built-in System Scalability Architecture
- Remote and Web Access
- Clustering, RAID and SAN Support

E-COMMERCE

- Advanced, Web-based Supply Chain Portal
- Internet Parts Query and Sourcing with Unlimited Alternatives
- Real Time Stock Status Inquiry with Imagery
- On-line Technical Data
- Confirm Condition; Traceability, Origin, Serial No. and Lot
- Internet Parts Ordering for Remote Offices, Customers and Vendors
- Create RFQs, Review Quotes and Place Orders
- Track Work-in-Process, In-house and Outside
- Pinpoint Shipment Status and Location
- Review Open and Closed Quotes and Orders
- On-line Inventory / Quotes / Sales History
- Robust Security with Full Password Control
- Built with cutting edge SQL, JAVA, HTML and XML Technology

Customer Relationship Management (CRM)

Pentagon 2000 CRM application provides a user friendly, feature-rich environment for tracking and guiding sales and marketing personnel through the sales process -- from Leads Management through Sales and Account Management to ongoing analysis of the effectiveness of your sales and marketing programs.

PENTAGON 2000SQL CRM seamlessly integrates with Accounting, Materials Management, MRO Operations, Quality Assurance, Aircraft Record Keeping and Aircraft Maintenance Tracking letting you capitalize on every customer interaction to increase efficiency, productivity, profitability and customer satisfaction throughout your organization.

PENTAGON 2000SQL CRM includes the following capabilities and features:

- Opportunity Management
- Seamless Integration with Pentagon 2000SQL ERP System
- Account and Contact Management
- Activity Management Center – Email / Appointments / Tasks / Meetings
- Native Integration with Microsoft® Outlook and Lotus® Notes
- Campaign Management
- Case Management Center
- Aircraft Maintenance Forecasting with Triggered Events
- Managing Contact / Customer / Aircraft Interlinked Relationships
- Literature and Communications Management
- Offline Access with Automated Synchronization

PENTAGON 2000SQL ERP + CRM = A Winning Synergy



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