ascman

The complete Operations Management System
for roll-based, cores and flat sheet industries.

Manufacturing Execution System (MES) and Enterprise Solutions for:

- Paper & Board Mills including Conversion / Finishing

- Stand-alone Converters

- Tubes, Cores and Edgeboard Converters

- Polythene Converters

Our mission is to provide the best applications, delivered by the most professional company in the market.
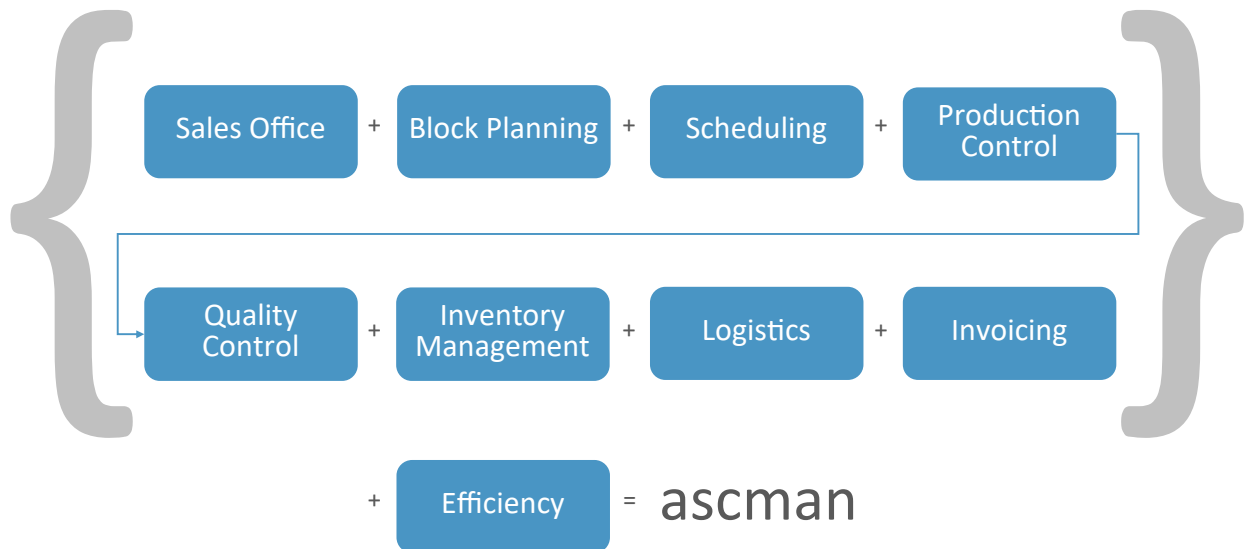
ascman is a leading supplier of IT solutions for roll-based, cores and flat sheet industries.

For over 25 years we have been helping our clients to improve their business and operational processes.

Our highly skilled and knowledgeable consultants understand the challenges facing your industry and we are equipped to help.

ascman efficiently manages each role within your organisation using a range of rich functionalities, to increase productivity and save you money.

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{  [Sales Office] + [Block Planning] + [Scheduling] + [Production Control]  }

   [Quality Control] + [Inventory Management] + [Logistics] + [Invoicing]

                + [Efficiency] = ascman
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ascman is a software solution designed and built from the ground up to meet the specific needs of roll-based, cores and flat sheet industries.

ascman is an Enterprise Solution, or the Manufacturing Execution System (MES) can integrate with your existing ERP. **ascman** is designed to improve the effectiveness, efficiency and profitability of your business.

ascman is an industry proven solution that helps you deliver business improvement with sustainable results.

The application software can be configured to meet each client's exact requirements. **ascman** provides a common model to support any operation, but also recognises that each organisation has its own identities, priorities and processing rules.

A configured **ascman** system provides unified Service, Manufacturing and Logistics. It helps enterprises to completely understand their own business, lever advantage, fuel continuous improvement and achieve operational excellence.

An effective software solution is one part of the equation, the other part is the skills and knowledge of the **ascman** consultants who help guide you to improve and transform your business.

Top 10 Business Benefits from using ASCman

ASCman provides you with a wide range of benefits, helping to manage each stage of your supply chain.

01   **Improved Business Efficiency** through real-time integration of all your key supply chain processes.

02   **Increase Production Capacity** by better medium term planning and more accurate scheduling of all production resources. On-line quality helps avoid costly remakes.

03   **Improve Agility & Competitiveness** by being able to simulate in real-time the what-if? affect of any plan changes, e.g. urgent orders.

04   **Better Customer Service** through functions that remember your customers' buying preferences and give you the tools to manage the relationship.

05   **Shorten the Order to Cash Cycle** the shipping function starts planning as soon as the order is taken and shipped loads are available for immediate invoicing.

06   **Manage WIP and FG** through effective item tracking and inventory management functions that let you know what's where at any time.

07   **Control Waste & Yield** by recording all good product, scrap and trim losses. This helps you analyse inputs and outputs and highlights problem areas.

08   **Traceability of Materials & Processes** though full genealogy of items, from parent item to end products.

09   **Understand and Reduce Costs** by building comprehensive cost models and the ability to match actual production to understand areas for improvement.

10   **Improved Business-wide Synergies** by bring together all processes and under-lying data through a common real-time database.

… and some key principles of ascman

- Accounts for all material: good product, scrap & trim losses
- Flexible when things go wrong
- Reliable & robust to support 24/7 operations
- Data integrity

Visibility and control of all business processes, from order to invoice

Sales Office

All of the functions to enter, maintain and follow the progress of demand. Orders can be fully or partially satisfied from stock. Uses a multi-level model of customer / product buying habits to populate order entry fields with customer / product buying preferences. ATP & CTP checks carried out by referring to the Block Plan, automatically channelling demand into predefined making cycles. Powerful customer care functions, including complaints handling.

- Internal & External Conversion
- EDI & papiNet®
- Price Model
- ATP/CTP Checks
- Credit Management

Block Planning

A pre-smoothing tool to manage and plan multiple workcentres in the medium term. Helps ensure that forward plans accurately reflect the balance between potentially volatile market place requirements and optimum run sequences of long runs and steady states. Block Planning helps you plan and optimise your grade transitions.

- Medium Term Horizon
- Can be fed by Forecasts
- Helps with Grade Transitions
- Interacts with Order Entry
- Dynamic View of ATP
- What-if? Analysis

Scheduling

Covers the trimming and finite scheduling of all work-centres. Orders are grouped using configurable attributes. Grouped orders are deckled, either through the built in easy-deckle-helper or by automated interface to a proprietary algorithm. Deckled runs are sequenced for all workcentres.

- Optimises Throughput
- Deckling / Trimming
- Finite Schedule

Production Control

The user interface provides operators with all the information to carry out tasks at each stage. This includes a running order, operating instructions, details of allocated materials, quality information and drill-down to under-lying order information. The operator feeds back the details of items produced, down-time, losses and any other production events. Wherever possible, feedback is automated to capture the relevant information directly from the process. Jumbo turn-out is normally captured directly from the DCS. Interfaces to drive or receive information from downstream process equipment can also incorporated, e.g. knife setting, roll handling systems, sheet counters, ink-jet markers, weigh-scales and label applicators. The system provides facilities to capture operating conditions, either manually or automatically, that can be accessed for comparative purposes during future runs, including the option for the 'best' conditions recorded.

- All Paper Making & Conversion
- Accounts for Good Paper & Losses
- DCS Interfaces & Automation
- Item Tracking
- Genealogy

Quality Control

Specifications are created for each distinct product, incl. Numeric Tests, Descriptive Tests and Conditions. Tests can be Mandatory or Optional. Min & max operating limits and min & max hold limits are specified. Tolerances can be either specific values, or percentages of the target. Quality Recording is event driven as items are produced. Where possible, it can be interfaced directly with Supervisory Control systems and intelligent testing equipment.

- Product Specifications
- Real-time Results Recording
- Non-Conformance Handling
- Quality Analysis / Reporting
- Best Run Information

Inventory Control

Provides the functions to track all Work-in-Progress & Finished Goods throughout the operation. Items are bar-coded for automated tracking of stock movements and consumption. Items are tracked as they move between Work Centres and around Warehouses. Any number of Warehouses can be managed. Warehouses can be optimised through configurable 'putaway' logic. The system manages consignment stocks and your remote & third party warehouses. Stock snapshots can be taken at any time. Stock taking and reconciliation can be carried out at any time by specific locations.

- Tracks WIP & FG
- Warehouse Optimisation
- Stock Reconciliation

Logistics

Covers all aspects of Transport Planning, Load Planning, Weighbridge Integration, Despatch, Remote Warehouses, Third Party Warehouses and Documentation. Handles shipping by road, rail or sea. Container details, Bills of Lading, etc. can all be accommodated.

- Transport Planning
- Load Planning
- Picking / Load Verification
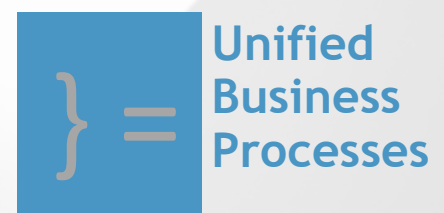- Weighbridge Integration
- Documentation

Invoicing

Highly configurable to meet the exact demands of your operation. Invoicing can be carried out for each despatched load or can be configured to invoice the Customer daily, weekly or monthly. Each of your Customers invoicing requirements can be configured individually. Credit note generation allows for the management of returns, rebates, price adjustments or general credits. Full traceability is maintained to the original invoice. Agent commissions can also be calculated based on the invoices and credits generated.

- Configurable Scenarios
- Interfaces with AR
- Credits
- Agent Commissions

Efficiency

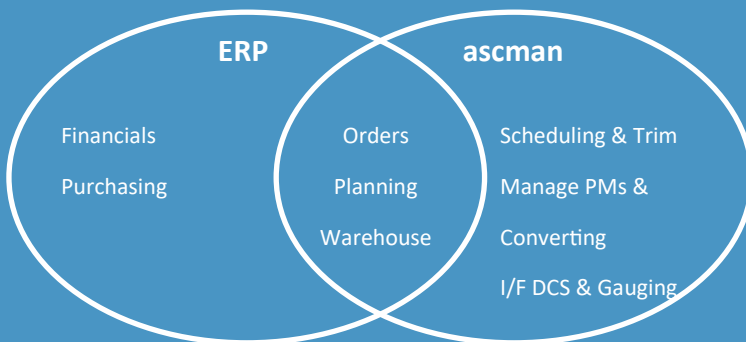All of the decision support and management reporting functions of the system.

- Costing
- Dashboards
- Production Reporting
- Management Reporting

Unified Business Processes

} =

ERP Integration
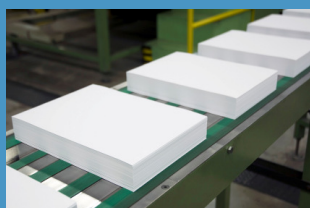
ASCman can be integrated with an ERP system to operate as a MES only solution or it can be configured as a stand-alone Enterprise solution.

ERP   **ascman**

Financials   Orders   Scheduling & Trim

Purchasing   Planning   Manage PMs &

                   Warehouse   Converting

                                     I/F DCS & Gauging

When ascman is used solely as a Manufacturing Execution System, all demand comes from the ERP in time-phased buckets, replacing the Sales Office and Block Planning modules. ascman's finite scheduler is part of the MES and is used for the detailed planning of workcentres. ascman keeps the ERP up-to-date with details of work-in-progress and finished goods. Finished goods information is used by the ERP for Inventory Control, Shipping and Invoicing.

Internationalization

ascman can be localized to suit your language preferences (subject to availability of translation tables). User log-in determines the language and different users can operate the same system using the language of their choice.

ascman is an IT company specialising in solutions for roll-based cores and flat sheet industries. We have worked successfully with a number of leading manufacturers and a number of smaller ones as well. We pride ourselves on our deep understanding of the industry and our ability to 'make it happen'.

As part of the ascman package, we provide the full range of services to deliver successful solutions: Project Management; Configuring ASCman to your Exact Requirements; Training; Data Loading and Go-Live. ASC's staff have covered the entire life-cycle many times over and are fully committed to each project's success.

ascman

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