

OptiVision

Product Information Note

Better Visibility and Control across the Value Chain

The Unified Business and Manufacturing Solution for Pulp, Paper and Flat Sheet Industries

OptiVision® boosts profitability at every stage in the order-to-invoice cycle, to transform pulp and paper operations for a better business. Optimizing manpower, assets, materials, logistics and capital, it gives users the competitive edge to succeed.

Rising raw material and energy costs, increasing competition, tighter margins, stringent regulation: there is no let-up in the pressures on pulp and paper manufacturers. They must focus on efficiency to cut waste, ensure consistent quality and do more with less.

OptiVision's business logic software brings a cost-based approach to business functions. Advanced optimization models and logical algorithms hardened over 30 years help businesses achieve excellence at every stage of order fulfillment value chain. OptiVision runs these high value modules using cutting edge technology to deliver rich functionality.

A Full Suite of Tools

OptiVision gives users visibility and control of the key determinants of profitability across the supply chain. Improved yields, grade transitions, inventory levels and optimized asset utilization mean better productivity and lower costs – From order to delivery, OptiVision enables users to identify the most efficient path to fulfillment.

Complying to ISA-95 standards, OptiVision has proven itself in hundreds of installations worldwide.



Profitability in each step of order- thro' - invoice

BENEFITS

- 2% savings in raw materials
- 1.5-3% lower trim loss
- 10% lower finishing losses.
- 25% reduction in Total Cost of Ownership (infrastructure, installation, maintenance, upgrades, training, support, duplication of capabilities, integration and business process agility).
- 10% fewer quality issues
- 1-6 % throughput improvement
- 10% inventory reduction

OptiVision uses industry leading technology to build strong business logic-based workflows and HTML5 based user experience, on latest software platforms & infrastructure. These applications seamlessly run on desktop environment or mobile devices thus expanding the workflow to cover broader functionality.

Customer & Order Management: OptiVision accurately ensures customer priorities are captured for end-to-end services. OptiVision manages Enterprise level Zero pricing with a Unified Pricing module. Orders are appraised for ATP/CTP & PTP criteria.

OptiVision provides mobility enabled web order services, allowing authorized end customers to directly get visibility to their orders. It also provides Order Completion Status credit and orders.

Production Planning & Scheduling: Planners benefit from better enterprise production planning and scheduling at AOP, Rough Planning and Fine Planning levels, powered by industry best algorithms.

OptiVision is capable of planning for the most complex equipment in the production line. Sophisticated algorithms ensure zero inventory build-up between stages while maintaining equipment utilization at optimal levels. Plan OptiMiser, the flagship planning module runs powerful cost based what-if scenarios to evaluate various options upfront.

Production & Quality Tracking: Production route and step optimization help you boost efficiency. OptiVision derives its strength from its precise Track-n-Trace functionality, overlays quality information helping accurate dispositions, combining lab data. Besides, forward and reverse genealogy. Almost every equipment on the production floor is mapped into the software. Plant supervisors and operators can complete workflow steps and initiate informed on their mobile devices.

Inventory & Warehouse Management: Users can track and monitor the work-in-process inventory, as well as finished goods inventory and movement.

OptiVision features direct loading and wireless warehouse management, supported on Mobile devices. Optimal and just in time inventory movement reduces carrying costs. Many modules including cycle count help in accurate upkeep inventory accounting and reconciliation.

Load & Shipment: OptiVision optimizes shipping and logistics costs. Every customer order is planned for timely delivery, at optimized transportation costs since OptiVision ensures load optimization of a truck/container and route optimization. Options to enforce lowest cost carrier, further help reducing transportation costs. OptiVision ensures loading operations are captured digitally, at individual unit level.

Invoicing & Credit: OptiVision manages electronic data interchange for shipping and invoicing. Besides maintaining pricing info, OptiVision records special prices and add-ons to accurately invoice the customers. Invoices are dispatched along with the load itself.

Shop Floor Integration: Real-time interfaces of OptiVision enables connectivity to automatic wrap lines, scales, footage counters along with automated storage. Almost every device known to industry is mapped and interfaced in OptiVision.

ERP Integration: OptiVision provides a Standard set of Application Programming Interfaces (API) for simplified and quick integration. OptiVision also supports a 3rd party interfaces to exchange data, reducing setup time.

Cost and Quality

OptiVision provides near real-time visibility and tighter control over the supply cycle. It drives lower costs, accurate resource allocation, optimized selling prices and efficient scheduling. It handles materials management, production planning, scheduling, warehouse management and logistics for a more efficient delivery to the customer.

Other features include effective recipe management, real-time cost-to-manufacture measures across all stages of production, inventory management, and delivery optimization through management of loads, vehicles, routes and carrier plans.

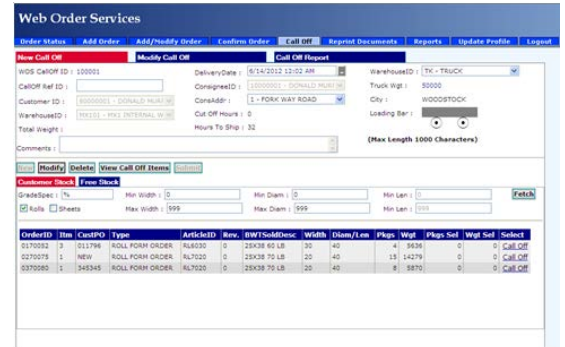
Three central modules ensure costs are minimized across the value chain while ensuring quality standards to safeguard customer satisfaction:

- **Production Cost Monitoring:** Gives real-time visibility of production costs for a more profitable business. It provides costings based on actual consumption, allows drill down to examine profitability and root cause analysis, and supports manual and automatic consumption entries. User-configurable graphical KPIs and displays increase visibility.
- **Quality OptiMiser:** Brings comprehensive Quality Management with certificates of analysis, efficient issues resolution, and root-cause correlation. OptiMiser features definable quality measurement processes (with quality analysis before and after cutting), support for online or offline collection and analysis of results, and automatic pattern alignment and disposition.



Costing Graphical Displays

- **Web Order Services:** Promotes more efficient working with order management for remote users via web browsers or mobile devices. Users can view and manage customer orders and delivery information on the move, track order status, call-off orders, check stock and print order documents.



OptiVision also includes a number of optional modules, including E-terminal for optimized transport; Golden Run, for continuous improvement in production and Fiber & Recipe Management – confirming to S88 recipe management standards.

Scalable and Flexible

Fully scalable, OptiVision is suitable for enterprise-wide, multi- mill, multi-currency and multi-system applications. It is also suited to a wider range of applications for pulp, tissue, plastics and films. Few of the features are as listed below:

- **Pulp:** machine run creation, re-sequencing un-releasing and completion; lot numbering; supports fluff rolls and classic bale pulp; forward and backward traceability for product quality, raw-material quality and production process.
- **Tissue:** multiple product types supported, including wound, folded and multi-ply; creation of minimum levels of hard roll inventory per grade and size; automatic stock replenish orders for hard rolls; trim loss and finishing loss reduction powered by FASTRIM for Tissue; tracking and genealogy with bi-directional association from raw-material to finished goods.
- **Plastic and films:** Slit Roll scheduling to optimize orders to slit reels for optimum yield and reduced trim losses; improved operational efficiency for film-specific assets such as tubular and tenter lines, coaters and metallizers; support for heat ageing and ambient ageing; helps fulfill EU Food regulation requirements.

| Sequence No. | Ship Date | Color By Order Item | SP | TR | TR |
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Easy to Use Order by Color

A Complete Solution

OptiVision is delivered with Honeywell’s outcomes-based consulting through skilled consultants, experienced process and industry engineers and domain experts who understand the business, tailoring a solution to meet the user’s requirements.

For More Information

Learn more about how Honeywell’s OptiVision software suite can improve order-to-invoice cycle, at www.honeywellprocess.com/software or contact your Honeywell Account Manager, Distributor or System Integrator.

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Drawing on a wide portfolio, collaborative products and solutions help drive significant value through improved safety, reliability, efficiency and sustainability.

Support Services

OptiVision comes with worldwide, premium support services through Honeywell’s Benefits Guardianship Program (BGP). BGP helps customers improve and extend the use of their software applications and the benefits they deliver, ultimately maintaining and safeguarding their software investment.

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