



ABOUT US

Opti-Soft is a Russian IT company established at Petrozavodsk State University. The company staff includes over 80 qualified specialists with extensive experience in IT as well as in forestry, timber and pulp-and-paper industries.

CLIENTS AND PARTNERS

- Valmet Automation Oy
- Metso Oy
- Outotec Oy
- Siemens AG
- Ilim Nordic Timber GmbH & Co. KG
- Archbum
- Ilim Group
- Mondi SLPK
- Arkhangelsk pulp-and-paper mill
- Kondopoga JSC
- Segezha Group
- Ilim Timber
- Kagazy Recycling
- Bolotninskaya gofrorara Ltd
- Pavlovo-Possad cardboard mill
- OJS "Kiev pulp-and-paper mill"
- MIGAN PACK Ltd
- and many others

CONTACT INFORMATION

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Opti-Corrugated

Software system for corrugated
cardboard production planning



Opti-Corrugated
developers

Opti-Corrugated system of Opti-Soft company is the leading software product in Russia for planning and managing production of corrugated cardboard goods. The system unites commercial and production departments of the enterprise, ensures "just-in-time" execution of orders and allows to reduce production costs.

THE SYSTEM IS DEVELOPED JOINTLY WITH CORRUGATED CARDBOARD PRODUCERS AND FOR CORRUGATED CARDBOARD PRODUCERS

Opti-Corrugated system was created using the most advanced software development technologies together with complex mathematical models and optimization algorithms. Thus, the system includes the best solutions for automation of corrugated cardboard mills.

Opti-soft



Opti-Soft was established at Petrozavodsk State University and its main area of competence is creation of complex solutions for optimal planning and management of production enterprises in the forestry and pulp-and-paper industries. The company employs more than 80 highly qualified professionals in the field of IT with a long-term experience in development of optimization systems as well as expertise in technology of forestry and pulp-and-paper enterprises.



Opti-Corrugated
efficiency

Effective and affordable tool for managing corrugated cardboard mills



reduction of raw materials losses by 1.5-4%



Increasing the equipment uptime by 3-4%



reduction of manufactured goods costs by 5-10%



reduction of equipment downtime by 5-8%



decrease of warehouse volumes by 10%



"just-in-time" production of goods



Opti-Corrugated mail functions

Opti-Corrugated planning and optimization tools ensure maximum profit for corrugated goods production

PLANNING

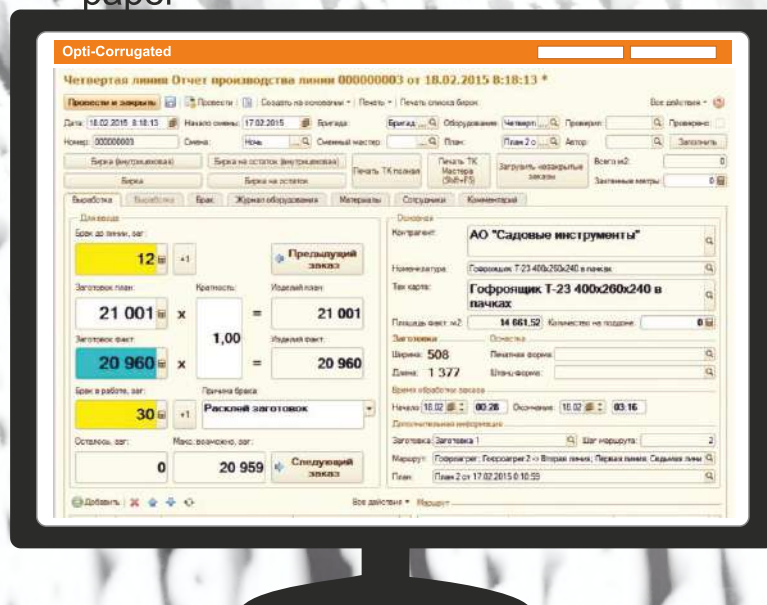
- Automatic sales planning
- Optimal long-term planning
- Automatic determination of production launch time
- Simulation of production (for comparison of several possible plans)
- Automatic daily planning of corrugators operation
- Automatic daily planning of processing lines
- Operation schedule for corrugators and processing lines

OPTIMIZATION

- Cutting on corrugators by brands, compositions of raw materials, phantoms
- Corrugator loading
- Processing lines loading
- Use of raw materials: cardboard and paper

NEW!

Optimization of loading finished goods into transport



Opti-Corrugated advantages

Increased production efficiency

Optimization of planning is a powerful mathematical tool for planning corrugated production, including corrugated board cutting.

Main sources of savings:

- reduction of raw material costs for corrugated cardboard cutting and processing,
- optimization of materials use,
- decrease of in-process inventory volumes,
- optimization of warehouses loading and shipments planning.

Increasing equipment uptime

The system uses advanced optimization modules for scheduling the operation of corrugators and processing lines, which allow to reduce the time of production and shipment of finished goods.

Full control over production

Users get immediate access to the production process, reports on execution of technological operations, and other process information.

"Just-in-time" shipments

The pre-planning module allows calculating actual shipping dates based on the current production plan, equipment operation schedule, availability of material resources and additional stamp.

Decision-making based on end-to-end accounting of all production stages

Support of FEFCO, GOST, MES, ISA-95 standards.
Accounting for specific features of Russian enterprises.



Opti-Corrugated

mail functions

PRE-PRODUCTION PREPARATION

- Step-by-step design of new types of boxes based on internal dimensions
- Technological charts for each type of boxes with personal charts for each Customer
- History of changes to technological charts
- Different production routes
- Support of FEFCO and GOST standards
- Integration with graphics packages
- Optimization of goods placement on pallets

SALES MANAGEMENT

- Order, suppliers and customer tracking
- Supplier and customer relations management
- New box types development tracking
- Price calculation for each type of boxes
- Automatic planning of sales and goods shipment

PRODUCT COSTS CALCULATION

- Calculation of standard cost of goods
- Different costing schemes

PRINTS AND STAMPS TRACKING

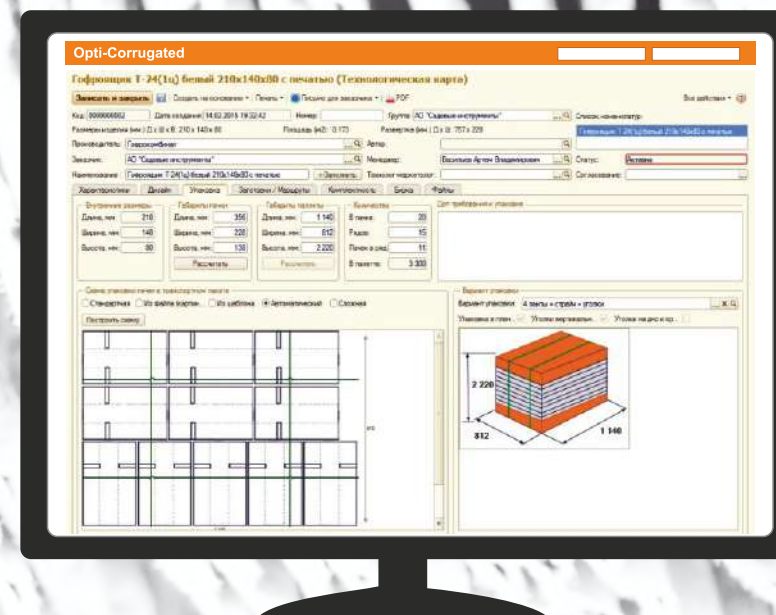
QUALITY CONTROL

- Input quality control of paper and board
- Quality certificates for semi-finished and finished products
- Claims handling

SHIPMENTS

MANAGEMENT

- Shipments scheduling
- Transport planning
- Mathematical optimization of goods loading into transport



PRODUCTION MANAGEMENT

- Workplace of corrugator operator
- Integration with corrugators
- On-line monitor of corrugator operation
- Workplace of processing lines operator
- On-line monitoring of processing lines operation
- Automatic event recording (downtime, shutdowns)

EQUIPMENT MANAGEMENT

- Preventive maintenance planning
- Optimization of equipment uptime

CASH FLOW ACCOUNTING

- Accounting of payments
- Accounting of settlements with suppliers

PROCUREMENT MANAGEMENT

- Accounting of cardboard and paper by rolls ID
- Material procurement planning

INVENTORY MANAGEMENT

- Warehouse accounting of materials
- Materials reservation
- Inventory control

