



ИНМАШ-ПРО
HARDWARE AND SOFTWARE
SUITE

MONITORING AND CONTROL SYSTEM

**FOR ORDINARY EQUIPMENT
IN MACHINE ENGINEERING.**

*Efficient. Flexible.
Customizable. Just takes a day.
For small and medium businesses*



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"INMASH-PRO" HARDWARE AND SOFTWARE SUITE

RUSSIAN INNOVATIONS

- state of the art domestic production management system;
- innovative development, supported by the Fund for Promotion of Innovations;
- the heart of the suite is two Russian patents;
- runs on a fleet of equipment over 100 pcs.

OPENNESS AND FLEXIBILITY

- easy customization of interfaces for industry and enterprise;
- built-in multilanguage support for each user;
- openness - add-ons and functional refinement for your tasks;
- modular design - select only the functions you need;
- web technologies - connect as many workplaces as you need;
- any support - integration, technical support, functionality.

MODERN SOLUTIONS

- information for the consumer about the status of his order;
- "bottom-up" automation of production;
- simultaneous operation of terminal devices from different manufacturers;
- data exchange via Wi-Fi, PLC-I, PLC-II, RS-485;
- availability (optional) of the basic set of sensors.

ANALYZE AND SAVE COSTS

- optimization of production plans, equipment loading, production processes;
- control of equipment, maintenance and repair, evaluation of equipment performance;
- monitoring of consumed electric power;
- analysis and forecast of operational processes;
- accounting of resources and control over the efficiency of their use;

EFFICIENT IN DISCRETE PRODUCTION

- engineering data management;
- management and planning of labor costs;
- production planning;
- workflow arrangement;
- operative production management;
- stock management;
- quality control.

MANAGE IN A NEW WAY

- management of product development and control of processes for its implementation, production dispatching;
- tracking of redistributions and genealogy of products;
- management of operations (production processes);
- full-fledged control of the compliance of the list, the essence and sequence of the executed production processes with the technical requirements for each product/batch;
- automated accounting, control of placement, movement, use and write-off of stock items;
- planning of warehouse operation, stock management;
- recording of working hours, access control and management;
- documents workflow for manufactured products (technical and process documentation, etc.);
- product quality management, quality control with guaranteed production of suitable products, claim management.

SUBCONTRACTING INCLUDED

- search for a subcontractor for each process operation;
- information about the equipment use "windows" - let the machines not stand idle;
- algorithms for one- and two-dimensional cutting;
- joint cutting - save on materials with partners;
- joint warehouse - a new level of interaction with suppliers



MAIN MODULES

INTERNAL MODULES

PRODUCTION PROCESSES

Development of process charts, operational accounting, control and determination of the location of each product at all stages of production, monitoring of production in real time, optimization of the workload

EQUIPMENT

Monitoring of equipment status, accounting of consumed resources and control over the efficiency of their use, management of downtime and repairs

QUALITY CONTROL

Quality control system with guaranteed production of suitable products

MICROCLIMATE

Collection, monitoring and analysis of data about temperature, humidity, leaks, voltage in the network of climatic devices, etc. in the premises

"Inmash-Pro" suite

WAREHOUSE

System of accounting, placement and movement of stock items

STAFF

Time tracking, monitoring and analysis of personnel movements, optimization of work processes

MOBILE WORKSTATION

Implementation of basic actions requiring the presence at the place of registration of events and without user access to a fully functional AWP

ANALYTICS

Aggregation and presentation of information about the efficiency and use of enterprise resources obtained from all software modules

DOCUMENT WORKFLOW

Information support for order management in the production enterprise

EXTERNAL MODULES

SUBCONTRACTING SYSTEM

Information exchange system for production needs and competencies

JOINT CUTTING SYSTEM

Optimization of cutting of linear and sheet materials from whole blanks and remnants/scrap of previous cuts of all participants

JOINT WAREHOUSE SYSTEM

Exchange of information between suppliers and buyers/manufacturers about the availability of free places in the buyer's warehouse, the list, the amount of materials and needs

SUPPLY ENLARGEMENT SYSTEM

Consolidation of buyers in order to enlarge the order to the minimum production batch or to reduce the price due to volumes



SCOPE, PRICE AND DELIVERY TERMS

Basic versions include one functional module, as well as those necessary for its functioning (if any). Combined versions include combinations of modules most demanded by industrial enterprises. Free arrangement of modules for specific needs of the customer is possible (subject to some process limitations). Modules of the external system ("Subcontracting", "Joint warehouse", "Joint cutting of material", "Consolidation of supplies") are provided free of charge with the purchase of any of the internal modules (except for the "Mobile AWS" module).
When buying, a system of discounts applies - 5% for each 2 and subsequent purchased module.