



adicom.
PRODUCTION MANAGEMENT



THE EXECUTION LEVEL – THE PLACE OF VALUE CREATION

Management of shop floor resources

Manufacturing companies and service providers are under constant pressure to increase their efficiency and manage their value creation chain. This requires appropriate production management with up-to-date process control and integrated consideration of all involved resources. Shorter market cycles and growing market requirements increase complexity and require the integrative linking of the value creation processes.

The Adicom® Software Suite provides you with a comprehensive vision of your individual processes and activities, including:

- Machine and systems utilization
- Parts and material flow
- Personnel capacity
- Status and availability of tools and materials
- Production documents and paperwork

Adicom Software Suite consists of complementary modules and provides an integrated, homogeneous application system without interfaces:

- Adicom Advanced Planning and Scheduling
- Adicom Shop Floor Data Collection
- Adicom Machine Data Collection

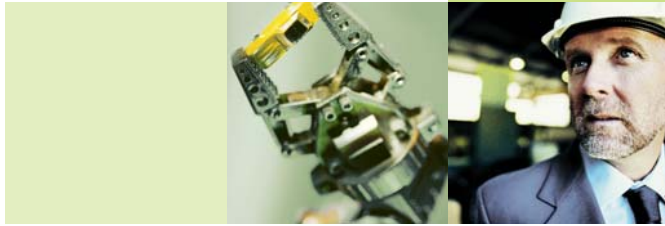
- Adicom Maintenance
- Adicom Warehouse Management
- Adicom Transport Control

The Adicom Software Suite offers you consistent support through integration, flexibility, and automation.

Adicom Advanced Planning and Scheduling

Adicom Advanced Planning and Scheduling allows flexible production focused on high quality and on-time delivery. Customers with discrete, as well as discontinuous or batch production, are supported.

The resource and process optimization can be directly linked with your ERP business processes. Adicom Advanced Planning

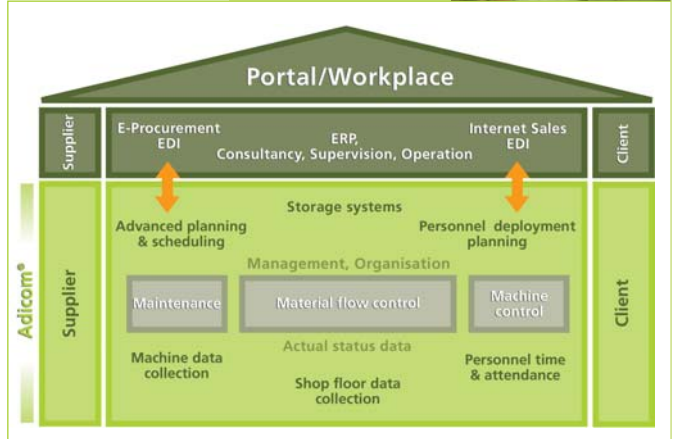


and Scheduling has been used by customers for many years and has been enhanced continuously. It automatically generates a machine utilization and scheduling forecast based on standardized or individual planning strategies.

The limited resources are simultaneously checked for availability, such as:

- Machine capacity
- Personnel capacity
- Status and availability of tools and materials

Planners and controllers are efficiently supported in their scheduling decisions and can focus on handling exceptional situations and unplanned events.

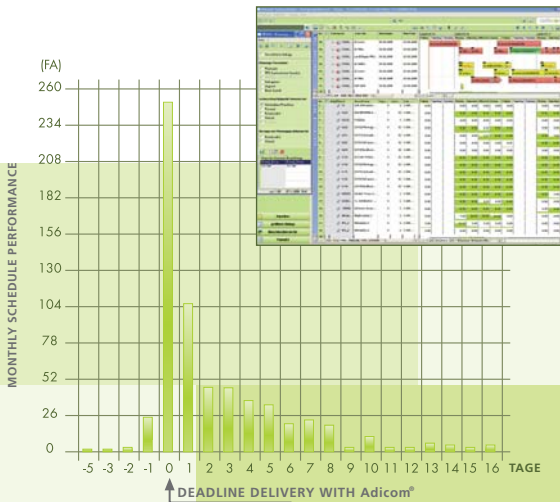


Manage the execution level with Adicom

Increasing productivity

Adicom Advanced Planning and Scheduling focuses on increasing productivity and is your ideal tool for resource planning and production control through:

- Reliability of on-time delivery
- Shorter throughput times
- Reduced inventory
- Reduced non-value creating activities



Simple and quick scheduling

Simulation allows you to “try out” different scheduling strategies and review the results. The planner can then quickly make an optimal decision.

The graphic user interface and GANTT charts offer transparency and make it possible to configure the scheduling interactively.

Even a solution for service providers

Adicom Advanced Planning and Scheduling is, of course, just as interesting for service providers for optimal management of

- Deadlines
- Resource availability
- Problematic situations (for example bottlenecks)
- Projects and order networks.



COMPETITIVENESS THROUGH SEAMLESS TRANSPARENCY

On-time capture of performance, status, and quality data, seamless transparency in production, and actual information all significantly improve potentials and competitiveness.

Adicom Shop Floor/Machine Data Collection

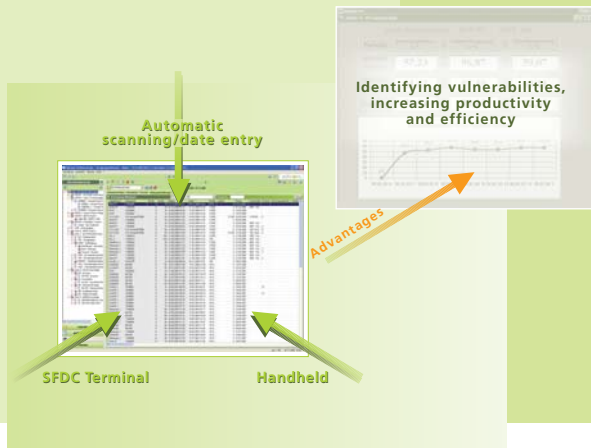
Shop floor data is captured at its origin. For example:

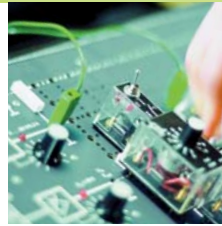
- Quantities
- Downtimes, running times
- Machine/process data
- Quality data
- Batch data/serial numbers, part documentation

This data is critical for optimum production planning and control that is up-to-date and quantity-adjusted. This data is necessary for detecting weak points and for process documentation.

Data can be captured with or without the use of paper. Machine and process data is collected directly from the controllers and bus systems, for example:

- Interbus, Profibus, OPC
- Siemens S5, Siemens S7, etc.
- Sensor systems, scales, measuring systems
- Any PC data recording devices (terminal, IPC, etc.)





Your benefits are:

- Decentralized capturing and processing of data: order-related, work bay- or machine-related, project- and cost center-related, wage-relevant (incentive, piecework)
- Support of multi-machine operation and team work
- Milestone logic for automatic reporting of operations
- Barcoded route cards or paperless production
- GANTT diagram visualization of current order situation with deviations from schedule
- Inspection planning and quality data capture
- Generation of implicit material postings
- Gross wage calculation (incentive, piecework)
- Stock-driven management of the production inventory

Adicom Shop Floor/Machine Data Collection and the Quality Data Collection module increase transparency and quality providing data for your KPIs (key performance indicators).

Adicom Maintenance

With the Adicom Plant Maintenance program, your production processes are aligned with maintenance procedures for profitable handling of manufacturing processes. As maintenance procedures are integrated directly into the value creation chain, your company can ensure a high productivity rate and adherence to schedules.

Preventive inspection and maintenance is coordinated with the manufacturing department. Should problems occur, alternative re-scheduling enables adherence to throughput times and deadlines.

Your potentials for success:

- Minimizing the costs of downtimes
- On-time procurement of spare parts
- High availability of capacities
- High quality through optimized operating conditions
- Efficient quality control through reliable indicators

Adicom Warehouse Management & Transport Control

Logistics is becoming increasingly significant from a corporate strategy viewpoint, even within the plant. A modern logistics concept must not only keep inventory levels low, it must also

contribute towards minimizing throughput time in production, and thus ensure that delivery dates are met.

Likewise, this requires an integrated, total solution for warehouse management and transport management in which all processes in the entire value creation chain are event-driven – from receiving to production and shipping.

Adicom Warehouse Management & Transport Control was developed for highly automated production facilities. It incorporates functions for management, scheduling, control, feedback, and evaluation of logistics processes. Combined with other Adicom modules, it provides a consistent overall solution for coordinating the areas of purchasing, materials resource planning, warehouse, production, maintenance, and shipping.

Supported logistics processes:

- Location management
- Stock placement strategies
- Disposition of stock movement
- Order optimization
- Picking processing
- Shipping processing
- Material flow control





MODULAR DESIGN – VERSATILE APPLICATION

For different industries

Adicom products can be combined with each other and can be used in different industries.

For example, you can combine Adicom Shop Floor Data Collection with Adicom Time & Attendance to balance personnel time with job time, and to calculate performance levels and gross wages.

You can also expand the system with quality data collection and batch traceability. Analyses and evaluations provide you with the necessary controlling options.

With Adicom Warehouse Management & Transport Control you manage your material stock levels and goods movements. Combined with Adicom Shop Floor Data Collection, you control your material transports and always have current information about the location of your materials.

Adicom Warehouse Management & Transport Control enables you to optimally reconcile jobs and resources (machines, personnel, material, production equipment).



Melitta System Service
Axel Runksmeier, Head of Production

"By introducing Adicom® Advanced Planning and Scheduling, we were able to speed up production and become more flexible while delivering the same high quality right on schedule. The ability of the MES solution Adicom® Software Suite to integrate into our existing SAP landscape was a decisive factor for choosing Adicom®."



Rögelberg Getriebe GmbH & Co. KG
Herrmann Pleus, IT Administration/Herrmann Wolters, General Manager

"At Rögelberg we employ the Machine Data Collection, Shop Floor Data Collection and Advanced Planning & Scheduling modules of the Adicom® Software Suite. They enabled us to significantly reduce data collection and reaction times, resulting in improved delivery reliability. The Adicom® Software Suite perfectly accommodates our goals of becoming more flexible and providing better customer service. We definitely chose the right MES system!"



Miele & Cie. KG
Thilo Fuchs,
Project Manager for the
Die-Cutting Production
Process

"The new integrated system raises our die-cutting production process to a new level. We can design processes more efficiently and flexibly to create maximal transparency. The Adicom® Software Suite gives us all the functions we need for this classic MES project."



We would be glad to demonstrate our industry expertise to you.

Please contact us – we're looking forward to hearing from you.

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