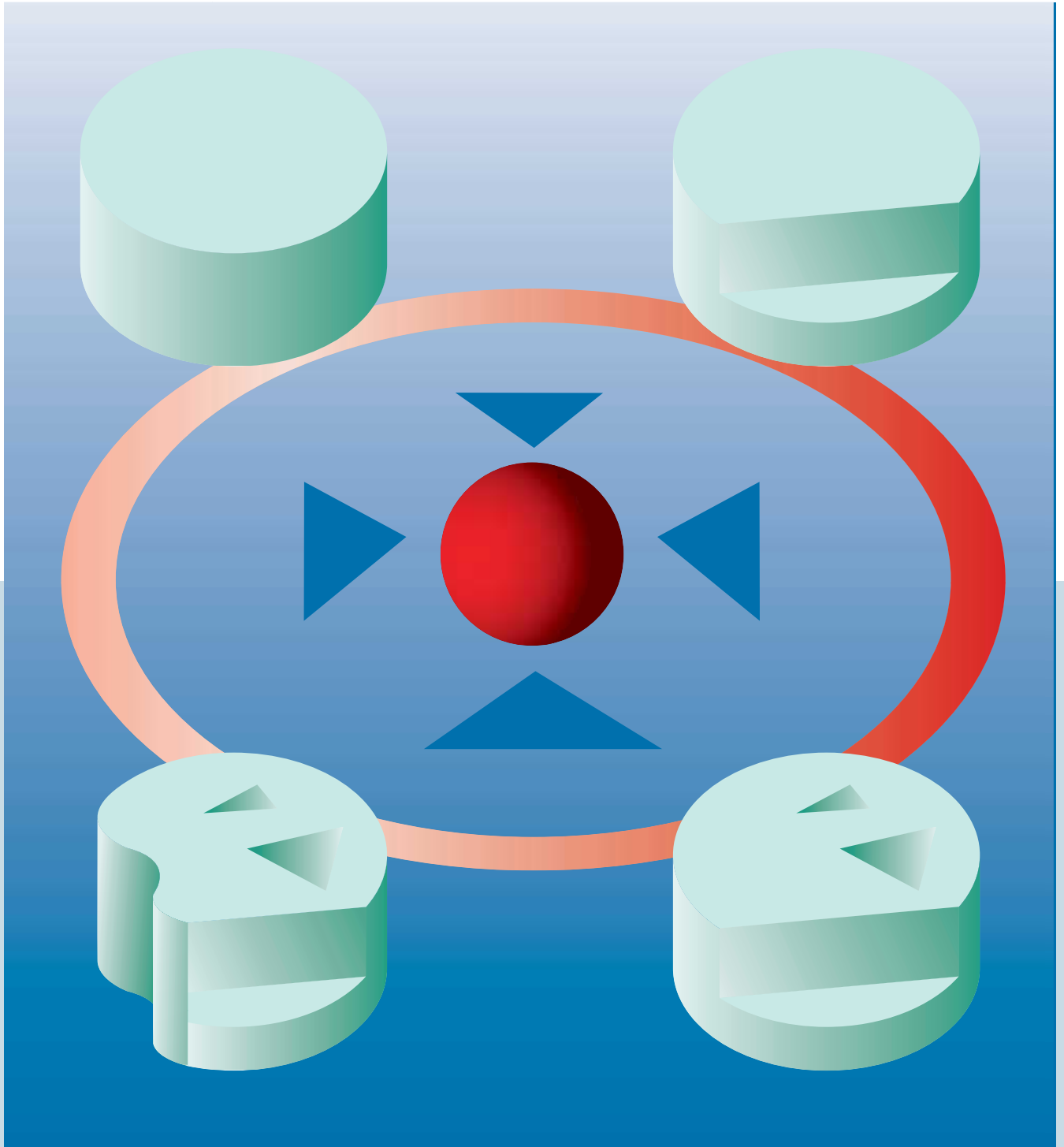


# EROWA JMS<sup>®</sup> Pro Job Management System



Cell control, data organization, workflow management  
and production monitor all in one.



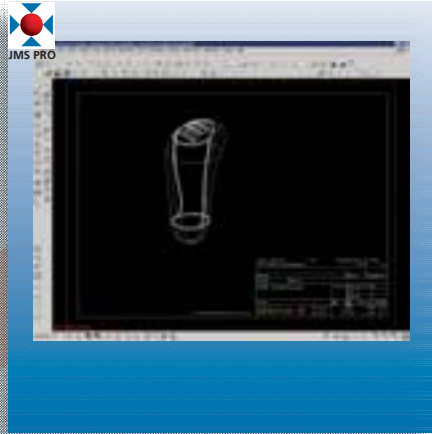
EROWA<sup>®</sup>

System solutions from one single source

# Automatically controlled and monitored production process.



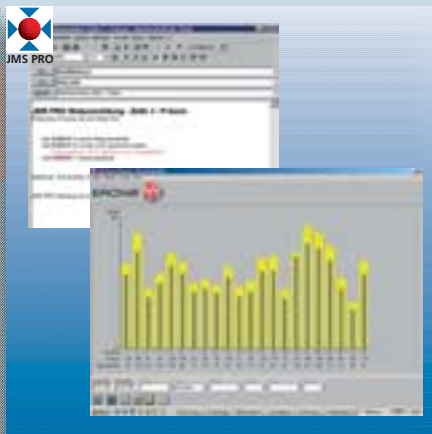
Workflow management means planning, controlling and monitoring individual work processes. The JMS<sup>®</sup> Pro fulfills all three functions without any gaps. At the planning stage, the job is automatically divided up into steps. The production cells are controlled with the job data generated in this way. The monitor ensures that the right process sequence is adhered to. At the same time, the progress made by the job so far can be seen at a glance. Whether you use it for one-off parts or for series production, JMS<sup>®</sup> Pro will help you keep production under control.



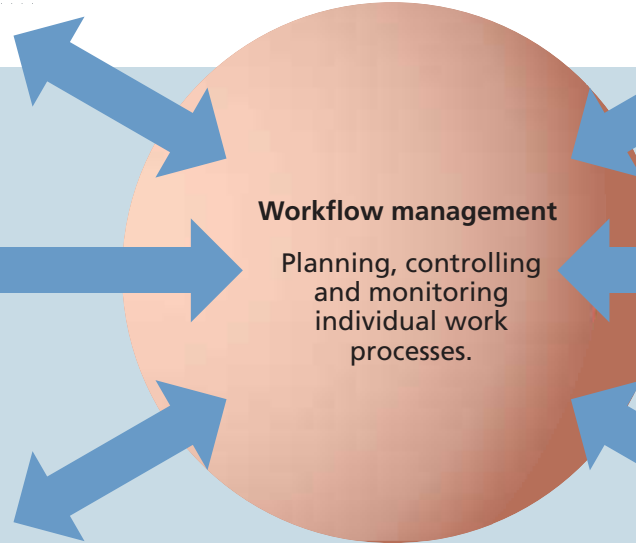
Dataimport from CAD/CAM. Jobs are generated automatically.

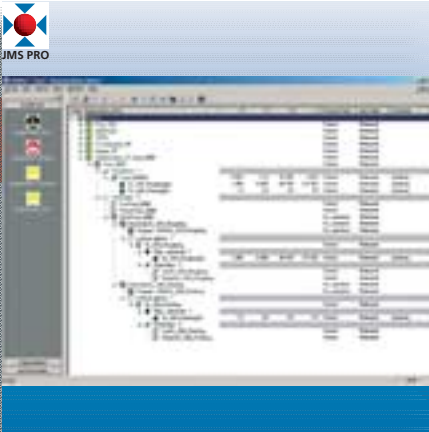


Information about special events is automatically passed on.



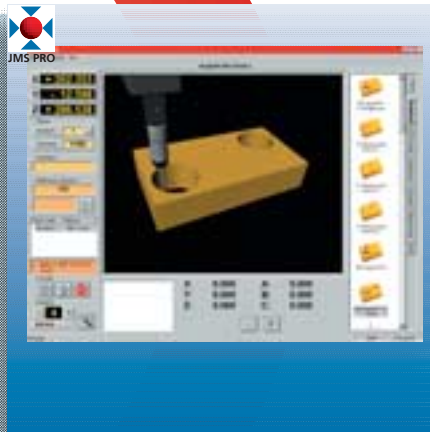
Topical information about the production cell is available on-line.





**Keep an overview at all times.**  
Jobs are prepared while the machine is at work.

**Presetting is the key to automatic production.**



**Automatic plant control.**  
The operator is in full control.



- The production data are stored in a clear structure. You can access them at any time.
- The entire production process is displayed in JMS® Pro. You have an overview.
- Changes to the production process are effective on-line. You always know what is happening.
- JMS® Pro documents all the processes automatically. Retraceability is guaranteed. You are in control of all the changes.
- The complete electronic data-flow from CAD to evaluation replaces the paper avalanche.
- JMS® Pro interlinks machines of a wide variety of technologies and generations. You yourself choose what should be part of the network.
- You determine the degree of integration yourself. Whether simple postprocessor or integrated workshop solution – we give you comprehensive advice.
- Workplaces become more interesting. With JMS® Pro, users become machine managers.
- Whether EDM or WEDM, milling, drilling, turning, grinding or measuring: JMS® Pro integrates the facilities.
- Trail-blazing software technology.
- Can be extended by means of modules.

# EROWA JMS<sup>®</sup> Pro – data and material flow under control.

The process runs without paper and is updated at all times. Existing data are imported.

Every pallet is equipped with an ID chip. Re-identification is absolutely safe. This will increase production safety.

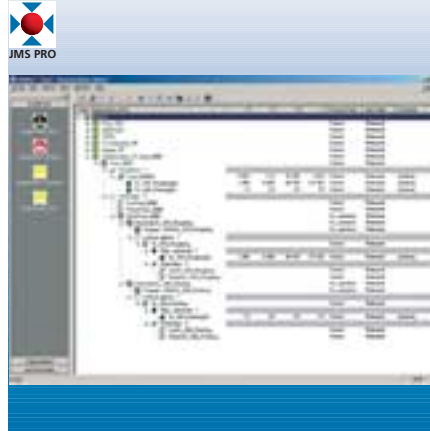
Thanks to the graphic user guidance, every user is able to measure independently.

## Data import from CAD/CAM & PPS

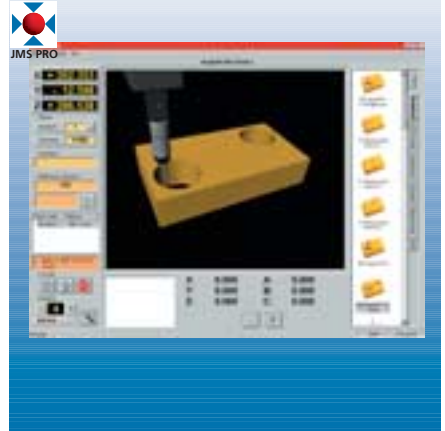


Data flow

## Management and setting up



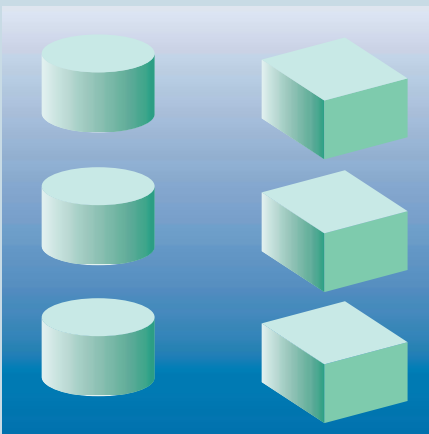
## Determine presetting data



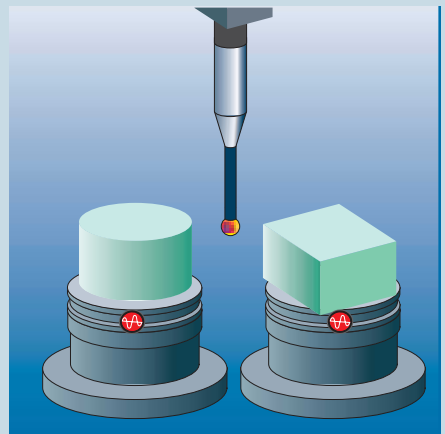
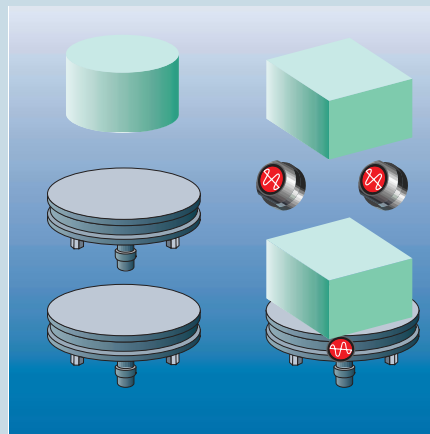
**1.** The entire project structure is imported from CAD/CAM or the PPS system with the help of the NC programs. Each individual working step, including the relevant tools, is generated by JMS<sup>®</sup> Pro.

**2.** While the machine is producing, you will already be presetting the next jobs. All the workpieces will be mounted on pallets. Each pallet is equipped with an ID chip, which will be read and reported by a stationary or mobile reading head.

**3.** Presetting data are the be-all and end-all of each production process. They must be accessible at any time from anywhere. JMS<sup>®</sup> Pro stores these data in an efficient database, in a machine-neutral format. Each JMS<sup>®</sup> Pro application accesses exactly the same data.



Material flow





The user controls his cell on-line. Production sequences and express jobs are influenced wherever the know-how is at its best.

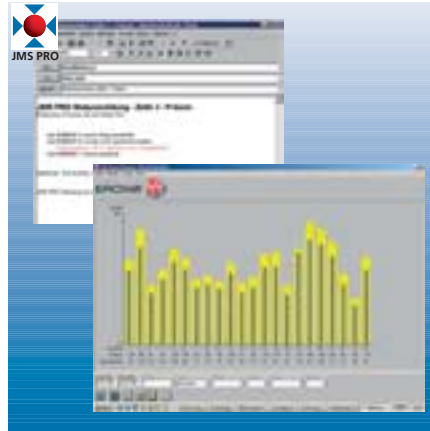
The process data are filed centrally and evaluated in a clear structure.

The status reports of the cells are collected and, if necessary, passed on.

### Machining



### On-line status and evaluation



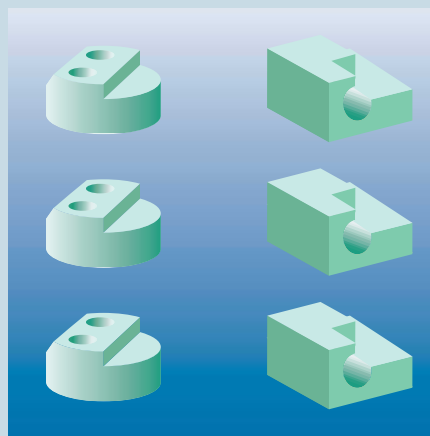
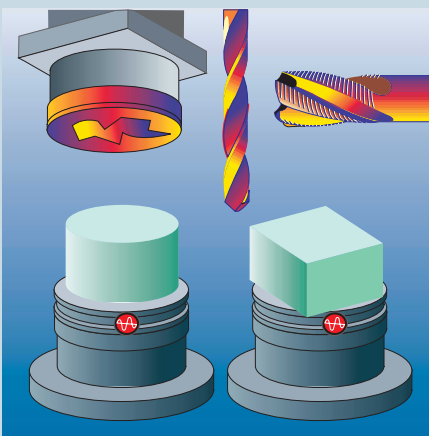
### Monitoring



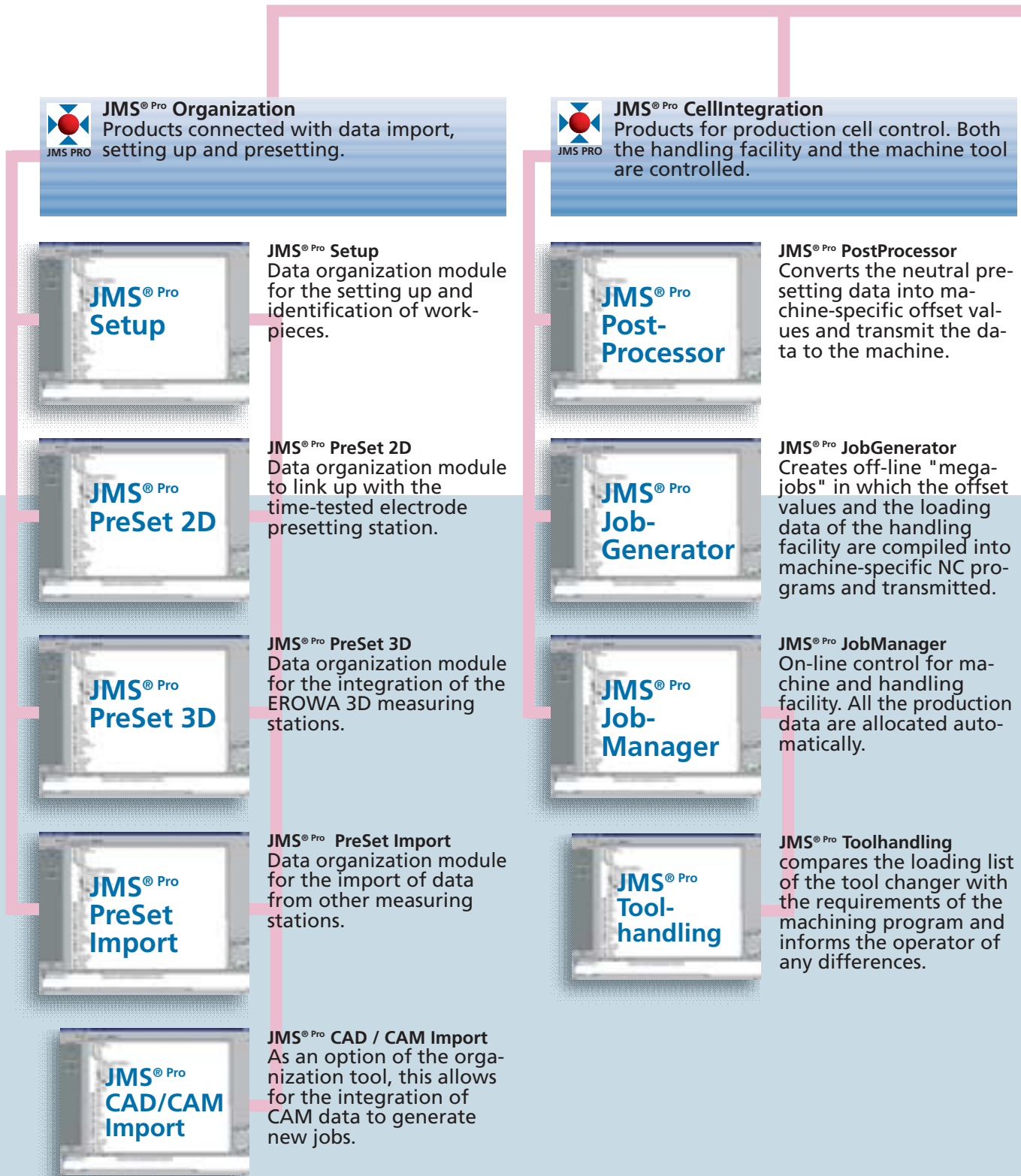
**4.** The random loading of the workpiece magazines is read automatically and transmitted to the JobManager. The user determines the production sequences of individual jobs. The right workpieces are automatically machined with the right programs.

**5.** The entire production process can be viewed on-line. Each cell reports the current machining status, which you can call up centrally and examine. Operational data are registered and filed. The utilization of the facilities can be called up for any given period of time. This is of help for acknowledgements to the PPS system and for recalculations.

**6.** Malfunctions of the machine, the handling facility or the production process itself are analyzed and stored. JMS<sup>Pro</sup> immediately sends the relevant user a message by SMS, e-mail or pager. The machines are monitored 24 hours a day.



# EROWA JMS<sup>®</sup> Pro – a survey of the products.





The name **JMS® Pro** covers an entire product family.

**JMS PRO**



**JMS® Pro WorkshopIntegration**

is the comprehensive control and representation system of all the production processes across several production cells.



**JMS® Pro Workflow**

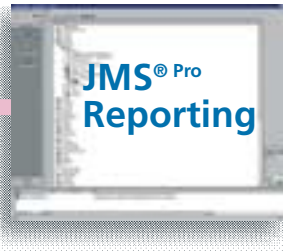
monitors the individual steps of the entire production process from the generation of CAD/CAM files to the completion of the job.

- **Job status**  
Working steps that have been concluded or remain to be done can be viewed at all times.
- **Changes**  
With a mouse-click, jobs and any work connected with them can be put on HOLD, updated and released again.
- **Order**  
The right order of production steps is the key to quality products. JMS® Pro Workflow only permits logical orders.



**JMS® Pro WorkshopSupervision**

consists of monitoring, alerting and evaluation programs.



**JMS® Pro Reporting**

is the interface with the evaluation of all the relevant operation data.



**JMS® Pro Supervise**

ensures the on-line visualization of individual cell statuses.



**JMS® Pro Alarm**

will contact the relevant user if this is necessary.

With **JMS® Pro**, workflow is not a slogan but a program. The complete universality of the data in the workshop also allows for comprehensive control. Jobs can be released or, if necessary, blocked with a mouse-click. Each operator is informed about the current data status.

# The next step is up to you.

Important matters require planning. And your next step is certain to be such an important matter. After all, you are setting off into a new, rational age. We will gladly accompany you on your way. With advice, in daily operating procedures. So that you will know at any time what you are letting yourself in for. The nearest EROWA agency is not far away. Take that important step.

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