

**Switch on Efficiency:
AutoMag[®] 4.0.**



Hard work wins



AutoMag® 4.0 – the update for more efficient systems control.

Using the previous version of our automation software, AutoMag® 3.0, you could already automate batch treatments and control them in great detail. Now, version 4.0 gives you even more efficient use of energy and resources, as well as further optimised utilisation of your facility's capacity.

The only constants in software development are constant change and constant progress. So it's no wonder that we didn't wait long to take our automation software to the next level with AutoMag® version 4.0. We had three challenges in mind for this release: The first was providing significantly more efficient use of energy and resources. The second, optimal reliability and third, even simpler operation. We succeeded on all three fronts with AutoMag® 4.0.

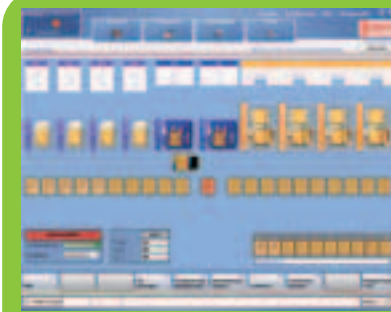
Improved algorithms in the system's integrated planning tools are the key to its improved efficiency. They provide better capacity utilisation and therefore higher production efficiency. Our newly developed batch planning system is unique on the market. It allows you to prioritise individual heat treatment batches as part of your overall process planning. AutoMag® 4.0 not only allows process observation, but also optimises the distribution of component batches to specific furnaces for optimal, energy-saving use of your facility.

The Microsoft.NET development environment gives AutoMag® 4.0 its improved stability. It is significantly more reliable than comparable solutions from our competition, especially on Windows 7 systems.

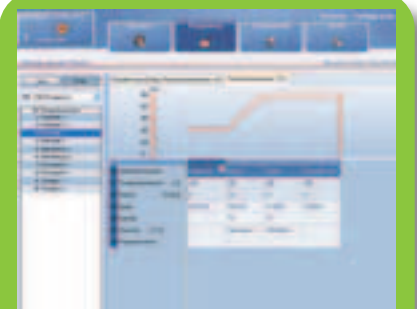
In the background, AutoMag® 4.0 records all process and batch data using SQL Server 2008, a modern, secure, industry standard database system. This allows you to connect Auto-Mag® 4.0 easily to your existing production planning, enterprise resource planning and other IT systems and also allows you to implement data security and automated backup strategies (including fulfilling the Aerospace Material Specification No. 2750).

And, as we already mentioned, the software's usability has been radically improved using proven ergonomic concepts.

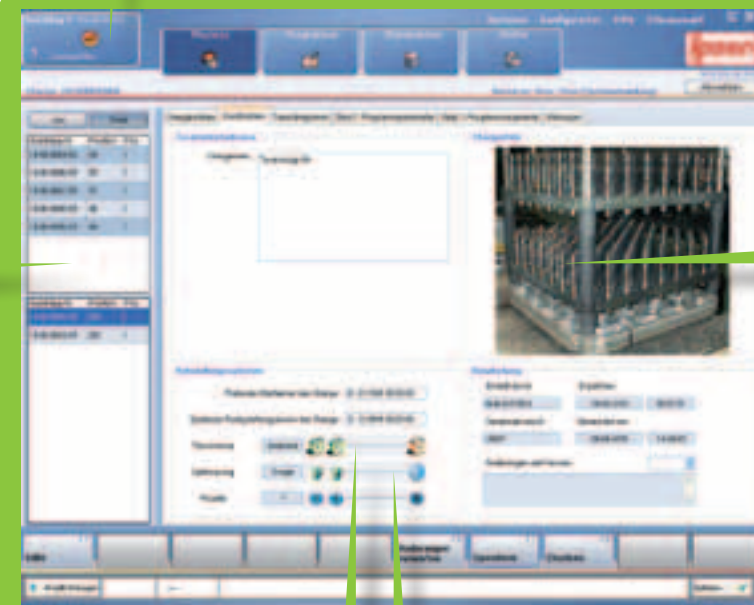
Updating to AutoMag® 4.0 will make the energy efficiency of your equipment state-of-the-art.



Start view
Seamless monitoring. This view gives you a complete overview of your facility; all its individual components are represented as symbols. This view is completely configurable to meet your exact needs.

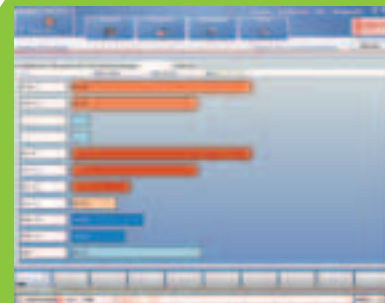


The Preheat program segment
With AutoMag® 4.0, you can individually edit every step of a program; all parameters are independently definable.



Time-optimised job-planning

Energy optimised, cost-saving job-planning



Overall capacity usage
You can see at a glance at what capacity the various parts of your facility are operating.

Prioritisation view
You can set the priority of all customer jobs (5 in this case). If you give all the jobs the same priority, AutoMag® 4.0 will automatically run them at your facility's optimal efficiency.



Rapid individual-batch view
If you need to get a batch out in a hurry, you can control it with this view. Other jobs are hidden, allowing you to see exactly where the prioritised job is in your facility and what treatment stage it is undergoing.



Efficiency planning view
This shows the planned process. The time-axis clearly displays what will happen when during the heat treatment process. Processes are optimised for cost-savings and energy efficiency using this view.

Planning views
Using AutoMag® 4.0, you can choose between settings for time- or energy-optimised job planning. Using energy-optimised job-planning, batch completion may be pushed back in comparison to time-optimised job-planning.

About the company.

Ipsen – we deliver performance.

Ipsen stands for cutting edge heat treatment technology and systems. Few companies in the world have had such a decisive impact on the development of heat treatment.

For over 60 years Ipsen has been finding new ways of producing steel of ever improving quality using the company's innovative, proprietary technologies, such as the AvaC® process (low-pressure carburising), the SolNit® process (solution nitriding) and the recently developed HybridCarb process (gas carburising with recycling). Ipsen's offerings combine the highest performance with outstanding reliability, which perhaps explains why our furnaces and heat treatment equipment enjoy an excellent reputation

all over the world. Our customers work in automotive, aviation and aerospace as well as tooling, machining, medical and commercial heat treating.

Despite Ipsen's many important innovations, our focus is not solely on technology: in all we do, we aim to surpass our customers' expectations. We are not only committed to developing great technology, we are also passionate about providing quick, seamless and attentive service.



If you require further information or would like to know more about our company and the products we make, please contact us. We look forward to hearing from you!

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