Enter the world of tapio - the digital platform for the wood industry value chain.

digital.
wood.
works.
tap. input/output.

**tapio** is the digital future within the woodworking industry – and this future begins right now.

→ **tapio** combines sophisticated digital products for the woodworking industry with thousands of production machines and the highly varied supply of production material and tools in an Internet of things (IoT) platform. In short, this digital platform covers the woodworking value chain in its entirety.

→ **tapio** pools knowledge from the areas of mechanical engineering, servicing, software and consulting for businesses of all sizes worldwide to make your work easier.

→ **tapio** supports you with uniform solutions for a diverse range of process stages to make business processes faster, more efficient and more reliable than ever before.

Open to partners. And good ideas.

→ **tapio** gives a home to all wood industry-related technological solutions. This digital space provides open interfaces to all partners, customers and technologies. As such, older machines can be integrated just as easily as our partners’ software solutions or products made by other manufacturers. With **tapio** we can work together to solve the digital challenges that lie ahead – and we are looking forward to it.

Open interfaces to all partners, customers and technologies.
See the individual aspect. Get the bigger picture.

Whether machine-based, non-machine-based, business process, production process – nowadays it is more important than ever before to harmonise all details and parameters along the value chain.

This means it is essential to coordinate the entire process – from the production phase to the processes and the data streams.

tapio can do this.

Solutions for the field.
From the field.

Woodworking is a complex business. It goes without saying that an understanding of the demands of partners and customers is just as important as the development of technologies and trends.

Yet what kind of digital opportunities present themselves? What will the end consumer want in future? And how will services develop?

tapio provides the answers, as tapio embraces machine-based competence, software expertise, consulting excellence and service proficiency – and is committed to taking woodworking to a new level.

tapio generates intelligence from a wealth of data, which businesses in the woodworking industry can use for their own gain. This protects investments for the future.

Data security is always an issue.

Together with the USA, Germany is a world leader in the digitalisation of industry. Linked to this is a particular responsibility for the security of all data.

Whether a smaller company, medium-sized business or global corporation,
tapio naturally complies with the highest standards. Among other things, it is involved in IUNO, the national reference project for IT security coordinated by KOMAG within the context of Industry 4.0. The project backed by the federal government brings together 21 renowned partners of various sizes from the world of industry and research.
Performance made up of zeros and ones:

tapio products.

serviceboard
Get help fast.

Sometimes error messages arise while machinery is running and the operator neither knows the cause nor the possible solutions. Often the only option available is to contact the HOMAG service team. And despite the fast help, there may be delays or production may even grind to a halt until the error is finally rectified. serviceboard ensures that a service request is automatically generated at the HOMAG service centre when certain errors arise. This allows us to contact you immediately to take preventative action – and possible errors are sorted out at an early stage through direct dialogue.
**machineboard**
Operate machines optimally.

Nobody is more closely involved with the machinery than the machine operators themselves. Downtime is not an option; delays are unwelcome - so much the better that they now have all the machine-related information to hand in real time (displayed on a smartphone or smartwatch, plus push notifications as soon as manual intervention becomes necessary). This helps you to make sure you can always get to the machine in good time and react flexibly at all times. In addition, you can check the remaining time of a CNC program on view impending set-up processes, allowing you to better plan parallel tasks; each step can be timed to be performed in a certain order. On the way to work, for example, you can remotely start up the gluing unit on the edge banding machine. This means you won’t have to wait 15 minutes for the glue to heat up and can spend the time attending to other tasks.

**mesboard**
Process production orders as planned.

When process- or machine-related interruptions occur, a machine breaks down or there is a bottleneck in one of the production cells, the manufacturing operation or material flow can grind to a halt and the production orders cannot be processed as planned. If such interruptions are not identified in good time and short-term measures come to nothing, then delivery deadlines cannot be met and new production orders cannot be started in time. This is where mesboard can help: it displays information on production progress and the status of all workstations for the current day and also monitors the processes.
Not every company performs its own data backup. This may be due to a lack of resources or insufficient IT knowledge among those involved. In such situations, a service case can have fatal consequences for productivity. In extreme cases, the loss of data means that a system has to be brought into operation again from scratch. datasave makes smaller and larger data losses and the associated problems a thing of the past. The solution ensures that all the latest system data for the machines is stored in a central cloud and made immediately available as and when needed.

energy monitoring

Record all consumption precisely.

In the world of manufacturing, the optimal use of machines and systems is one of the most important success factors. Precise figures relating to energy consumption and the use of compressed air and extraction systems are required in order to be able to calculate the total operating costs or the life cycle costs. Furthermore, energy consumption is a key indicator of the condition of a machine. Energy monitoring records all energy consumption for you (e.g. electrical energy or compressed air).
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