First-class optimization results with **intelliDivide basic**

A **HOMAG** App

Registrierung auf tapio.one

Verfügbar als webapp

For quick, efficient optimizations results

[1] Produced parts are parts from cutting patterns which are printed or downloaded in any format by using the appropriate function

intelliDivide basic | Pricing

Price (excluding VAT)	**95,00 Euro**
Licence	For 1 month and a max. production of 10.000 parts
Renewal	automatically
Users	unlimited
Notice period	3 days ahead of renewal
Additional packages	-

intelliDivide basic | Requirements

Mobile Devices	Mid-class mobile device Android 5.0 or newer	
Internet access recommendation	wireless, WiFi	54 Mbit/s (IEEE 802.11g/n)
	wireless, Mobile min. 3G (UMTS HSPA+/LTE)	16 Mbit/s (DSL 16.000)
Machines	Full functionality for tapio ready saws For HOMAG machines: ▪ powerControl V2 ▪ powerTouch V2.1 ▪ Panel saws with CADmatic 5.1 Functional limitations may apply when used with other machines	
Browser	Up-to-date web browser for web app, such as: IE11, Firefox, Chrome, Safari, Edge (Chrome recommended, other browsers may cause display errors)	

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intelliDivide basic | Features

intelliDivide is a cutting optimization program for optimizing two-dimensional, panel-shaped materials
intelliDivide accelerates the cutting of panel-shaped materials through more efficient processes that reduce time requirements and waste. The software is compatible with a wide range of machines — from basic circular saws to pressure beam saws.

intelliDivide optimizes your cutting processes. The software uses modern technologies, such as machine learning (AI) and the Internet of Things (IoT).
intelliDivide is a cloud-based "software as a service" application (SaaS). The complex optimization calculations are carried out in the cloud on several servers at the same time.
intelliDivide uses servers hosted by HOMAG as well as the global Microsoft Azure cloud solution.

As a browser-based application, intelliDivide is platform-independent, so you can control the intelligent cutting solution across a wide variety of devices: Windows PCs and laptops, tablets, and even smartphones. However, functionality is somewhat limited on smartphones.

The possibility of integrating a machine depends on the manufacturer, model, technical features and potentially required options. Please contact the respective manufacturer to find out whether your machine is tapio-ready.

If machines that are not tapio-ready need to be parametrized, integrated and controlled, this may require additional work.

With intelliDivide, you can create cutting patterns for an unlimited number of machines.

Using intelliDivide, you can download cutting pattern data directly to your machines (depending on the machine and the manufacturer) or print the cutting patterns for further use.

Multiple optimization algorithms make it possible to calculate a range of variants and create optimal cutting patterns simultaneously. The number of solutions displayed may vary depending on the cutting task.
intelliDivide recommends a "balanced solution." Solutions are presented as suggested variants.
For each optimization task, intelliDivide suggests additional, appropriate solutions with a different weighting.

The optimization algorithms suggest the ideal solution for your production order. This "balanced solution" is the best compromise between consumption of time and materials, and handling.
There may of course be occasions when you do not want to use the "balanced solution."
Simply select a different cutting variant and intelliDivide will automatically suggest more solutions.

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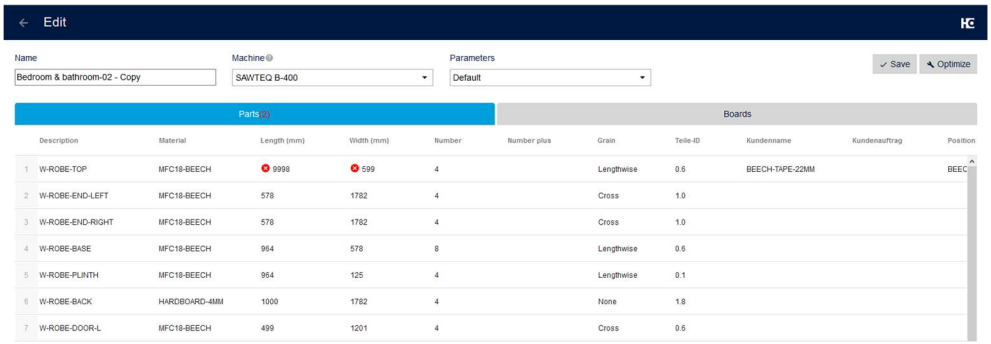
Data entry

- Manual input of part- and board data
- Transfer information from spreadsheets using „copy & paste“
- Selection of machine and parameter settings
- Immediate display of errors



Comparison of alternative results

- Balanced result
- Optimized for handling
- Optimized for waste
- …

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Detailed view of data corresponding to

- Production details
- Material
- Handling information
- Cutting patterns

Parts	Description	Material	Board code	Length (mm)	Width (mm)	Number	Teile-ID	Kundenname	Position / Artikel	Fertigungsauftrag / Los	Querkan
1.1	W-ROBE-END-RIGHT	MFC18-BEECH	MFC18-BEECH/01	578	1782	5	1.0				578.0 x 1
1.2	W-ROBE-END-LEFT	MFC18-BEECH	MFC18-BEECH/01	578	1782	3	1.0				578.0 x 1
1.3	DRESSER-END-RIGHT	MFC18-BEECH	MFC18-BEECH/01	600	1082	4	0.6				600.0 x 1
1.4	DRESSER-END-LEFT	MFC18-BEECH	MFC18-BEECH/01	600	1082	4	0.6				600.0 x 1
1.5	DRESSER-DRAWER	MFC18-BEECH	MFC18-BEECH/01	964	315	12	0.3				964.0 x 3
2.1	W-ROBE-DRAWER	MFC18-BEECH	MFC18-BEECH/01	225	1000	8	0.2				1000.0 x

Other features

- Text boxes for additional information (e.g. for labelling)
- Download of data in HOMAG-SAW format
- PDF Print
- Integrated Online-Help
- Tutorials

Information boxes

Title	Type	
Part ID	Text, optional, Length: 30	Edit
Customer name	Text, optional, Length: 30	Edit
Customer order	Text, optional, Length: 30	Edit
Position / article	Text, optional, Length: 30	Edit
Production order / batch	Text, optional, Length: 30	Edit
Date	Date, optional	Edit
Longitudinal edge 1	Text, optional, Length: 30	Edit
Longitudinal edge 2	Text, optional, Length: 30	Edit
Cross edge 1	Text, optional, Length: 30	Edit
Cross edge 2	Text, optional, Length: 30	Edit
Edge diagram	Text, optional, Length: 15	Edit
Front laminate	Text, optional, Length: 30	Edit
Back laminate	Text, optional, Length: 30	Edit
2. Cut size length	Floating-point number, optional, min. value: 0, max. value: 9999.9	Edit
2. Cut size width	Floating-point number, optional, min. value: 0, max. value: 9999.9	Edit
Finished length	Floating-point number, optional, min. value: 0, max. value: 9999.9	Edit
Finished width	Floating-point number, optional, min. value: 0, max. value: 9999.9	Edit
CNC program 1	Text, optional, Length: 30	Edit

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1	Register your enterprise on www.tapio.one YouTube Tutorial
2	Add your machines to your subscription. The connection of tapio ready machines with tapio is automated (free-of-charge service). „tapio readiness“ and possible updates can be checked with the machine supplier YouTube Tutorial
3	Add your colleagues as users to your account YouTube Tutorial
4	Open the tapio shop and subscribe to intelliDivide YouTube Tutorial
5	Start intelliDivide at https://intellidivide.homag.cloud
6	Enter your data in intelliDivide YouTube Tutorial
7	Download the desired result YouTube Tutorial

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Phone	+49 7443 13-6000
Email	softwaresupport@homag.com
Availability	Monday to Friday from 8 a.m. to 5 p.m.
Tutorials/ Videos	intelliDivide movie

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