intelliDivide Cutting Premium

Efficient cutting processes.

For quick, efficient optimizations results.

A **HOMAG** App–
Please have a look at the demo version here: intelliDivide.homag.cloud

Register at tapio.one | Licenses in tapio shop | Available as webapp

intelliDivide Cutting Premium	| PRICING
Price (excluding VAT)	**395 €/MONTH** **3.950 €/YEAR** (License fee)
Licence	For a max. production of 100.000 parts[1]/month
Renewal	automatically
Users	unlimited
Notice period	3 days ahead of renewal
Additional packages	-

intelliDivide Cutting Premium	| REQUIREMENTS	
Mobile Devices	Mid-class mobile device Android 5.0 or newer	
Internet access recommendation	wireless, WiFi wireless, Mobile min. 3G (UMTS HSPA+/LTE)	wireless, WiFi wireless, Mobile min. 3G (UMTS HSPA+/LTE)
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)	

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

intelliDivide Cutting Premium

| FEATURES

intelliDivide…

- …is a cutting optimization program for optimizing two-dimensional, panel-shaped materials
- …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.
- …optimizes your cutting processes. The software uses modern technologies, such as machine learning (AI) and the Internet of Things (IoT).
- …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.
- …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.

Integrating your machines

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.

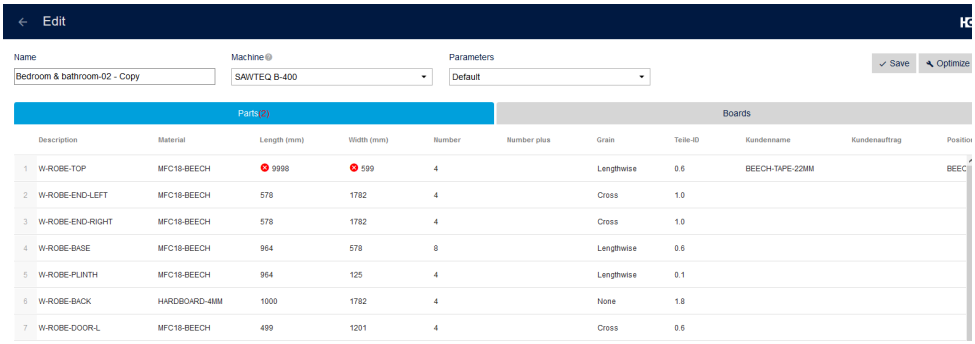
Choose your solution

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.

Data entry

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



Comparison of alternative results

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

Detailed view of data corresponding to

- Production details
- Material
- Handling information
- Cutting patterns
- Stacking / sorting information

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

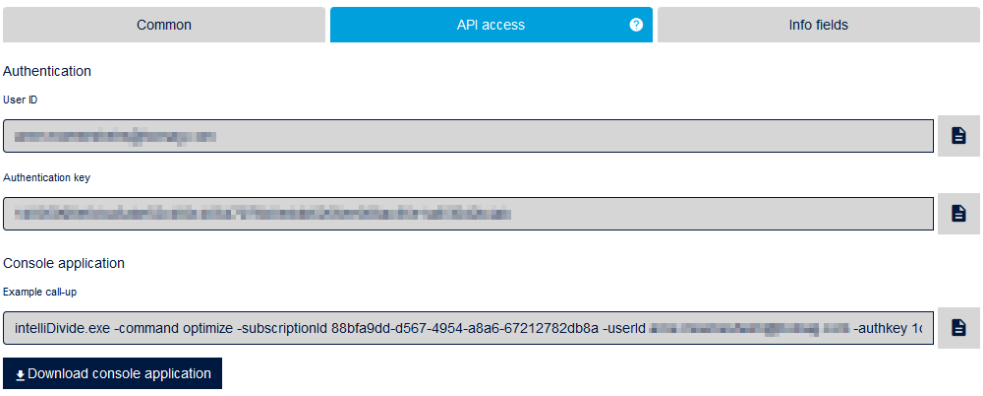
- Text boxes for additional information (e.g. for labelling)
- Download of data in HOMAG-SAW format
- PDF Print
- Integrated Online-Help
- Tutorials

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

API interface for data upload

Cut Rite results can be uploaded automatically, in order to generate additional alternatives. This gives immediate transparency to additional savings.



intelliDivide Cutting Premium | ACTIVATION PROCESS

1	Register your enterprise on www.tapio.one
2	Add your machines to your customer account (if "tapio-ready"; only necessary in conjunction with specific functions). “tapio-ready” machines are automatically connected to tapio (free service). The machine manufacturer can provide more information about "tapio readiness" and any available updates.
3	Add your colleagues as users to your account
4	Open the tapio shop and subscribe to intelliDivide
5	Start intelliDivide at intellidivide.homag.cloud
6	Enter your data in intelliDivide Cutting
7	Download the desired result

You can find all video tutorials here!

intelliDivide Cutting Premium | SUPPORT

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