



Optimization on demand. With intelliDivide and tapio.

Simply upload the parts list. Done! intelliDivide gives you a choice of optimized cutting patterns in an instant. Depending on requirements, results can be based on reducing waste or focus on the shortest production time or the simplest handling. And all without having to invest in software and computing power – simply via tapio.

Your benefits at a glance

With HOMAG you are tapio-ready

tapio knows your HOMAG saw. You no longer have to enter any machine parameters and can apply the optimization results with one simple mouse click.

Flexible and mobile

Via tapio, you can use intelliDivide whenever you want and on whatever you are currently using: a stationary computer or any mobile device with internet access. No matter whether you use iOS, Android, Windows or Mac OS.

Zero capital investment costs, zero hardware costs

intelliDivide is Software as a Service. You only pay for the actual use – without having to invest in on-premise software, updates or computers.

Greatly reduced personnel costs and time involved

Optimization starts automatically after uploading. Multiple alternatives are always calculated for you to choose from. The results are immediately ready for the machine, requiring no adjustments.

Quick. Inexpensive. Innovative.

intelliDivide – features and versions at a glance

	intelliDivide basic	intelliDivide advanced
Optimization “Balanced solution”	✓	✓
Optimization “Minimum scrap”	✓	✓
Optimization “Minimum waste” (scrap + offcuts)	✓	✓
Optimization “Shortest cutting time”	x	✓
Optimization to “Minimize handling” (headcuts, recuts, offcuts)	✓	✓
Optimization of “Manual operation of flexTec saws”	x	✓
Data import part and board list (fixed configuration)	✓	✓
Data import using “copy & paste”	✓	✓
Import Cut Rite results for comparison	x	✓
Text information for labeling	✓	✓
Automatic parameter setup for tapio-ready machines	✓	✓
Data transfer to CADmatic 4.x / 5	✓	✓

Savings potentials in practice

	Example 1		Example 2	
	Initial solution	Best solution from intelliDivide	Initial solution	Best solution from intelliDivide
Scrap	18.97 %	8.81 %	10.66 %	10.05 %
Scrap + offcuts	19.3 %	12.07 %	11.55 %	10.99 %
Production time	3:45 h	3:39 h	7:22 h	4:09 h
Parts / min.	2.1	2.15	1.38	2.45
Number of boards	73	67	59	58
Number of cutting patterns	45	46	59	30
Number of cuts	736	735	1397	811

intelliDivide pays off immediately

	With 10 boards / day	With 100 boards / day
Average costs per board	€50.00	€50.00
Hourly rate (production planning) employee (incl. indirect labor costs)	€30.00	€30.00
Hourly rate for the saw		€75.00
Material savings of 3 %	€15.00 / day	€150.00 / day
Time savings of 1.5 hours production planning	€45.00 / day	€45.00 / day
Time savings of 10 % for saw (1 shift = 8 h)		€60.00 / day
Savings per month (20 working days)	€1,200.00	€5,100.00
Cost of intelliDivide basic	€95.00	
Cost of intelliDivide advanced		€395.00
Net savings per month	€1,105.00	€4,705.00