Precision at your fingertips

power
Touch

Software:
CADmatic 4.1 PRACTIVE
CADmatic 4.1 PROFESSIONAL
CADmatic 4.5 PROFESSIONAL

HOLZMA CADmatic

Having a HOLZMA horizontal beam saw is very similar to having a modern luxury-class car: if you really want to handle it expertly and master all its functions, you need a perfectly designed cockpit. Clearly structured, with easy-to-understand displays and intelligent menu navigation. And that is exactly what CADmatic control software has to offer. Developed by HOLZMA – and used successfully for nearly 30 years.

CADmatic 4.1 PRACTIVE

The proven control software for all models of the HOLZMA 1 and 2 series.

CADmatic 4.1 PROFESSIONAL

Covers all the functions of CADmatic PRACTIVE – and much more besides! Available as an optional feature for the HPP 200.

CADmatic 4.5 PROFESSIONAL

The latest version of the HOLZMA machine control – equipped with many powerful features and innovative touch operation. CADmatic 4.5 PROFESSIONAL comes as standard from the 3 series upwards.

power**Touch**

Contents

Overview
CADmatic PRACTIVE

CADmatic PRACTIVE gives you full control over all models of the 1 and 2 series.

Virtual bird's-eye view | 1

In the main screen you see your HOLZMA as if looking down on it from a tower – in all its details and with useful information regarding production status. You are even able to customize the layout of the functions you have at your disposal. Ask your HOLZMA consultant for more details.

The cutting pattern always in sight | 2

The graphic shows you clearly and precisely which parts have already been produced and which still have to be cut, enabling you to keep an eye on everything at all times.

The most important functions just a click away | 3

Especially convenient: the central CADmatic functions can be accessed via the function buttons – using either the mouse or the keyboard.

Fast access to all machine units | 4

Whether pressure beam or side pressure device: the self-explanatory function buttons on this vertical bar give you direct access to all machine units. You can even customize the layout according to the functions you have at your disposal. Ask your HOLZMA consultant for more details.

Overview
CADmatic PROFESSIONAL

Intuitive machine control – simple, fast and clearly structured: this is what CADmatic 4.5 PROFESSIONAL stands for. The new operating software is available in combination with the new widescreen monitor – this package goes under the name of "powerTouch". It makes controlling the machine a breeze.

New: powerTouch operating panel | 1

The new powerTouch operating panel comprises an extra large wide-screen monitor with touch functionality. Zoom, swipe, scroll – simple gestures, familiar from smartphones, suffice to use the wide spectrum of functions offered by the control software. CADmatic 4.5 PROFESSIONAL also offers many further benefits:

• Intelligent production readiness display
• Softkeys
• Standardized navigation: all content selectable via a single window (for more information please see the HOMAG Group powerTouch brochure)
• Uninterrupted operation thanks to software messages that briefly appear and automatically disappear using speech-bubble technology (not shown)
• MMR basic for need-based maintenance and for logging key machine data

The cutting pattern always in sight | 2
The graphic shows you clearly and precisely which parts have already been produced and which still have to be cut, enabling you to keep an eye on everything at all times.

3D flow diagram with preview / review features | 3

The 3D flow diagram shows you the entire workflow at the saw in real time and from freely selectable perspectives. You also have the option of using the preview and review features. This allows you to see which parts in the current cycle have already been produced and which will be cut next.
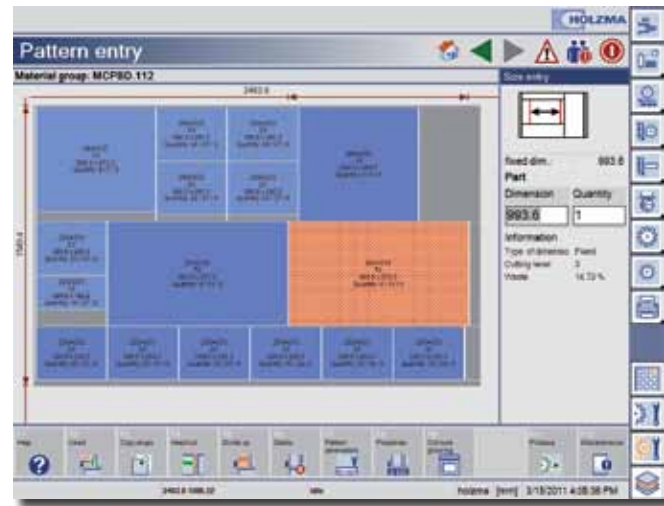
Parts overview | 4

The cut parts are clearly arranged in a list. This gives you an overview of the parts that have been produced, as well as the option to reprint any labels you may need.

CADmatic 4.1 PROFESSIONAL

CADmatic 4.1 PROFESSIONAL is available as an option for your HPP 200 – for even more control potential for the 2 series and featuring a convenient touchscreen.

Standard feature
Cutting pattern entry

CADmatic 4.1 PRACTIVE
Cutting pattern entry

CADmatic 4.5 PROFESSIONAL
Cutting pattern entry

The full range: this is where you enter all the data that
your HOLZMA needs to cut complex rip and crosscut
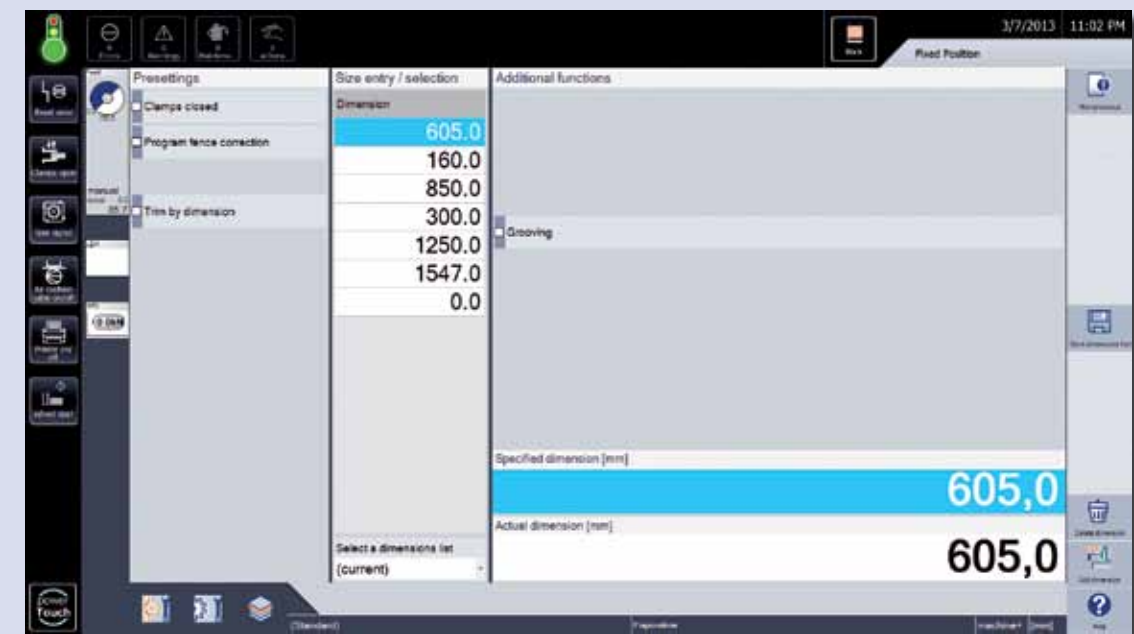patterns.

Standard feature
Fixed position

CADmatic 4.1 PRACTIVE
Fixed position

For a fast single cut. Just enter the required dimension –
nothing else is needed to complete the cut.

CADmatic 4.5 PROFESSIONAL
Fixed position

The program fence functions as a fixed position stop,
with its clamps either open or closed.

• Input lists can be saved
• Easy trimming of edges

Standard feature
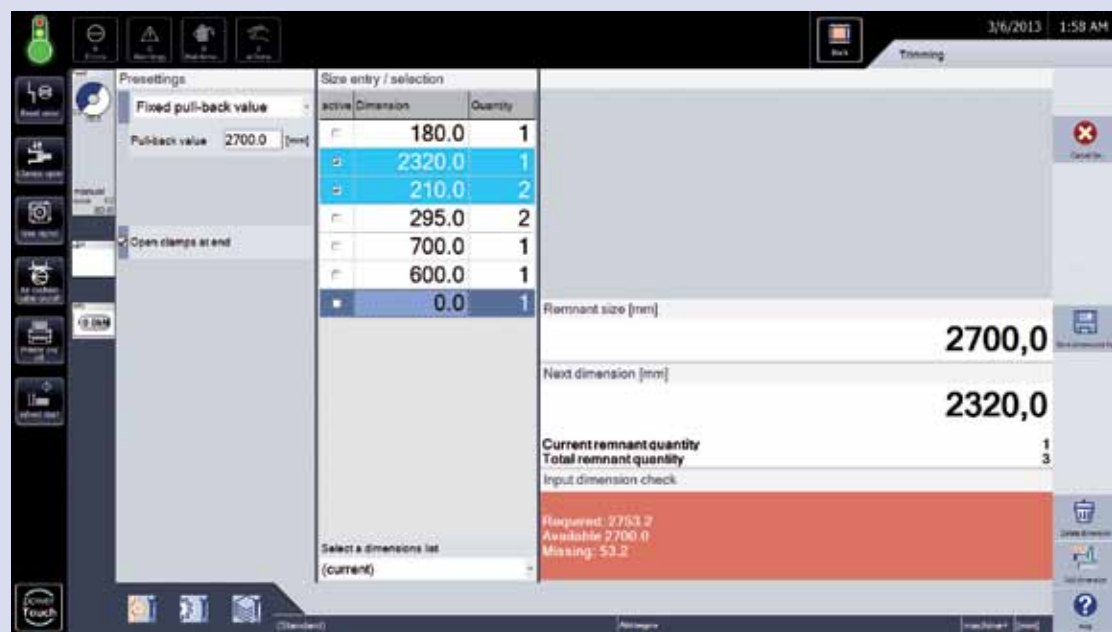## Cut to length
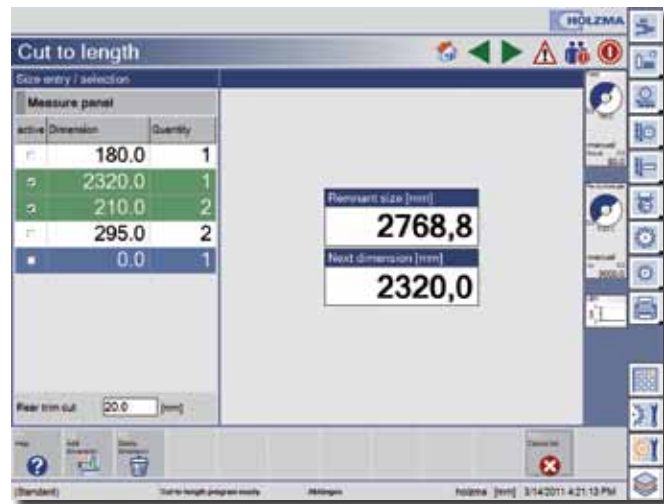
CADmatic 4.1 PRACTIVE
Cut to length

Cut after cut in one direction: here you can enter all the data needed to cut a strip into differently sized parts.

CADmatic 4.5 PROFESSIONAL
**Cut to length**

Cutting to length is controlled by a number of pre-settings, allowing you, for example, to enter the book height and to specify whether the clamps should open at the end. In addition, it is possible to save dimension lists that have already been entered. Finally, your input data is checked for plausibility.

Standard feature
Single parts

CADmatic 4.1 PRACTIVE
Single parts

For single cuts with a trim you only need to enter the dimensions. Everything else is already set up.
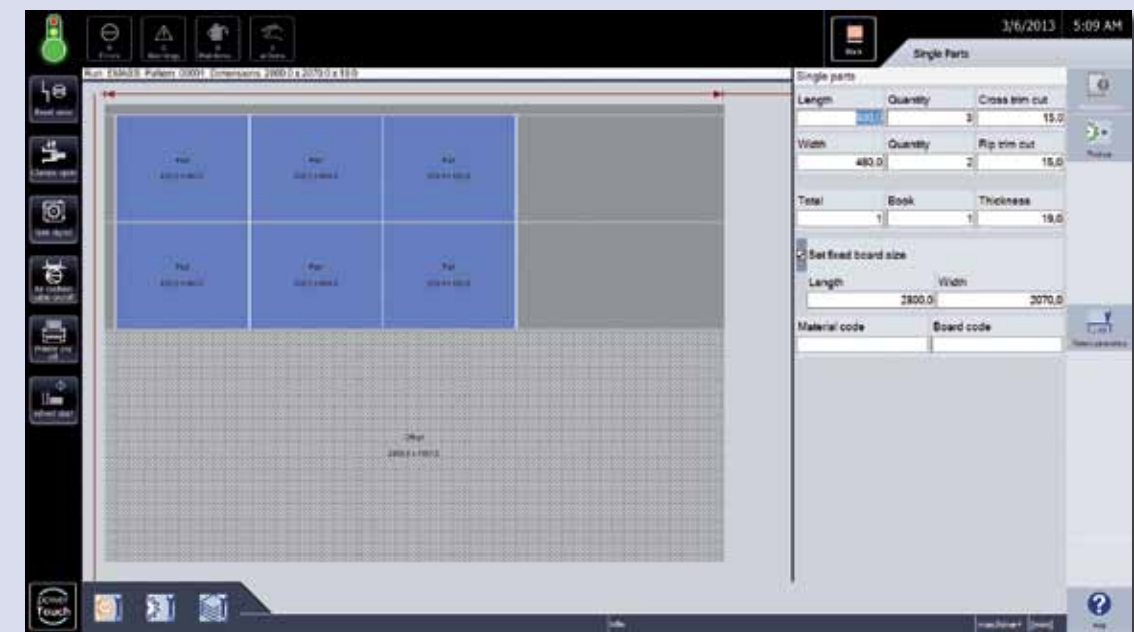
CADmatic 4.5 PROFESSIONAL
Single parts

Lengthwise and crosswise trims can be entered separately for single cuts. Your can also select codes for materials and panels, as well as other parameters.

Standard feature
Graphically supported diagnostics

**CADmatic 4.1 PRACTIVE
Graphically supported diagnostics**

**CADmatic 4.5 PROFESSIONAL
Graphically supported diagnostics**

The graphically supported diagnostics feature shows you immediately if, for example, an emergency stop has been activated or a service action is required. Furthermore, if your saw is equipped with a modem or an internet connection (TeleServiceNet), HOLZMA will be able to remedy most errors online. This feature saves time and increases your productivity.

Standard feature
Cutting pattern management

**CADmatic 4.1 PRACTIVE
Cutting pattern management**

Many cutting jobs need completing more than once. The good news: cutting patterns created at the saw are saved and can be retrieved whenever needed, saving time and reducing costs.

**CADmatic 4.5 PROFESSIONAL
Cutting pattern management**

Individual production sequences can be defined using the program sequence feature (including overview of parts).

Standard feature
Parameter management

CADmatic 4.1 PRACTIVE
Parameter management

CADmatic 4.5 PROFESSIONAL
Parameter management

Trim dimensions, speed or acceleration: CADmatic allows you to define basic machine settings, known as material parameters. These are then automatically accessed for each cutting process. You create a user-defined parameter list and have the option of changing the defined values whenever necessary.

Standard feature
Tool management

CADmatic 4.5 PROFESSIONAL
Tool management

How much board material have you already cut with this saw blade? Does its condition still meet your quality requirements? The tool management feature knows the exact answers to such questions and indicates when it is time to change the blade. To make use of this feature, simply enter estimated values for the specific material mix.

Do you use a number of different tools? If so, you can save the respective parameters under an appropriate name. The software then assigns the data for usage and volume to each tool separately. If a tool has to be replaced due to wear, you simply reset the corresponding counter to zero.
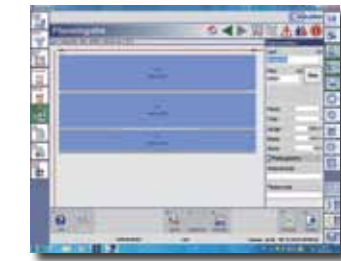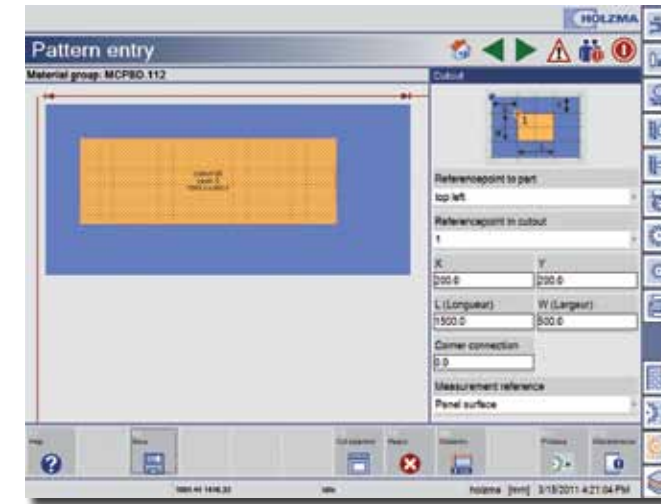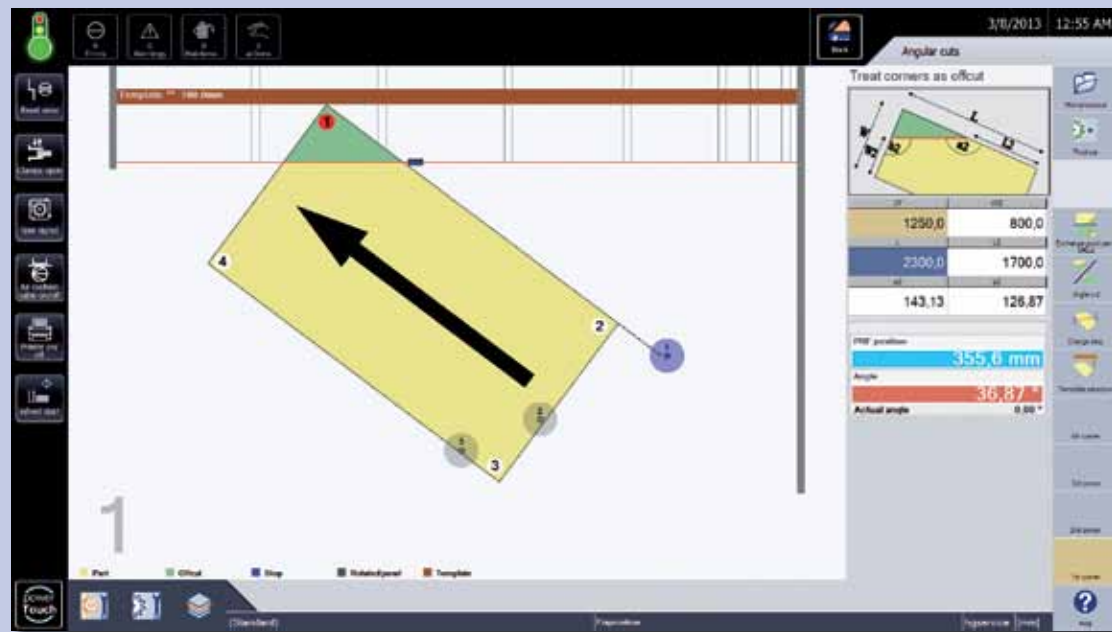
Optional feature
Manual angle cut
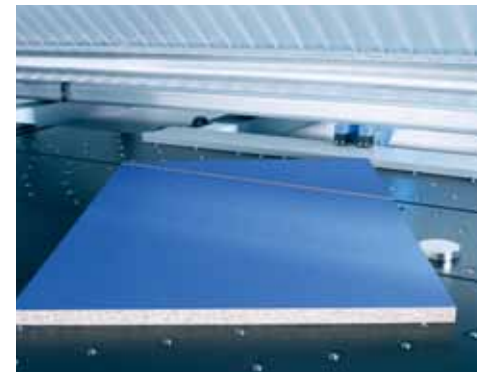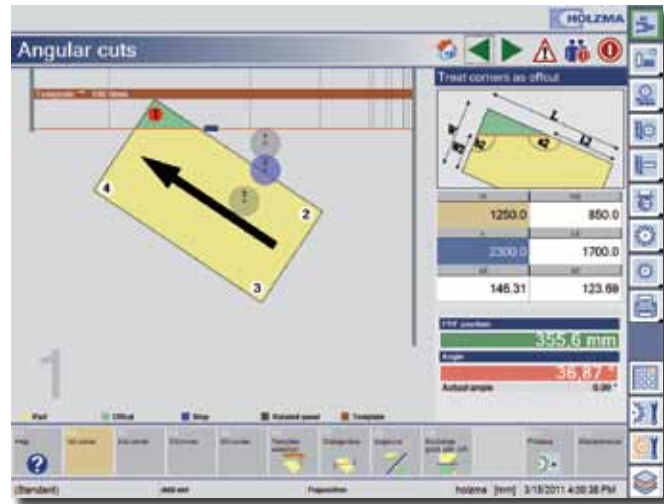
CADmatic 4.1 PRACTIVE
Manual angle cut
(only HPP 200)

CADmatic 4.5 PROFESSIONAL
Manual angle cut

This feature allows you to control angle cuts quickly, conveniently and precisely.

Optional feature
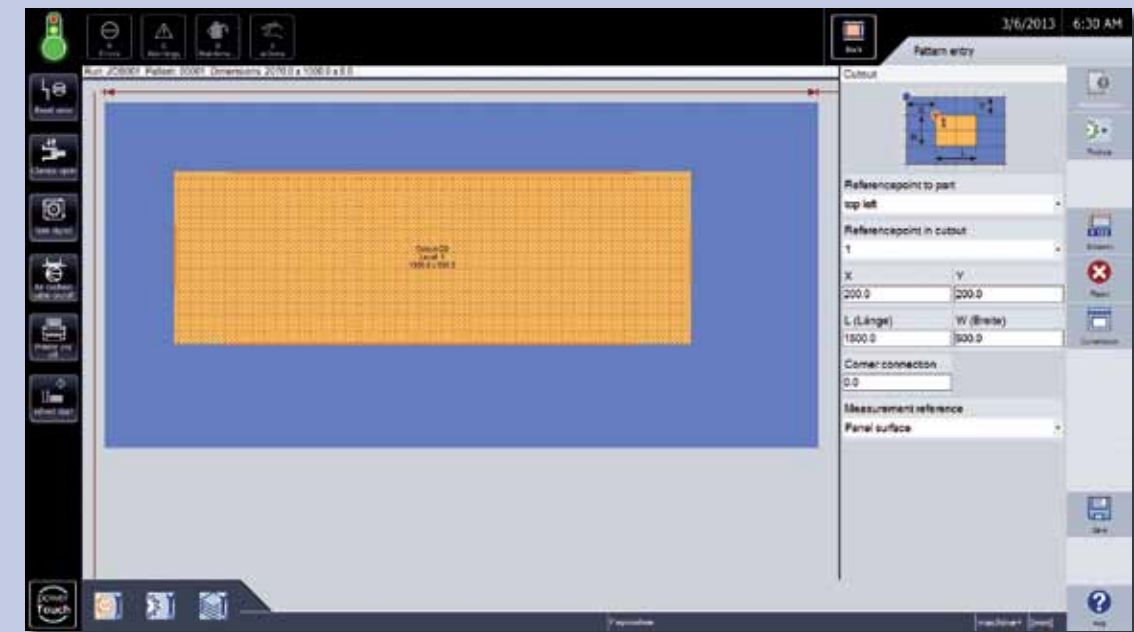## Cut-out and stress-elimination cut

Stress-elimination cut

The "stress-elimination cut" option – in a slightly modified version and without "cut-out" feature – is also available for the HPP 130.

CADmatic 4.1 PRACTIVE
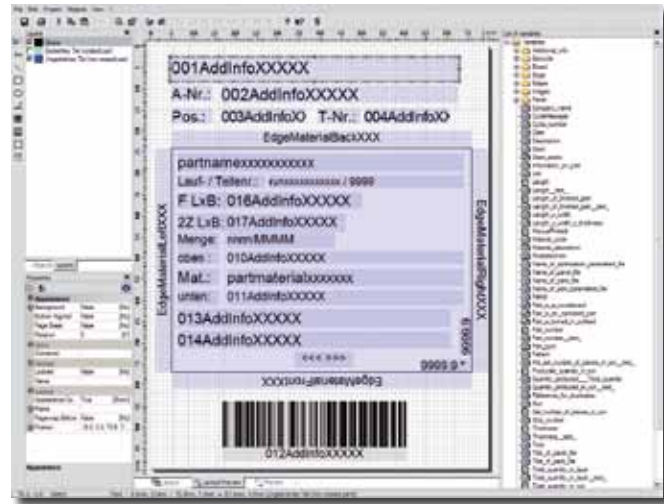**Cut-out and stress-elimination cut**
(only HPP 200)

CADmatic 4.5 PROFESSIONAL
Cut-out and stress-elimination cut

Laminated materials tend to warp during cutting due to tension being released. HOLZMA's stress-elimination cut option remedies this. The tension is released by specifically pre-cutting the material. In addition, the cut-out feature allows sections to be cut out of panels – for example for kitchen sinks.
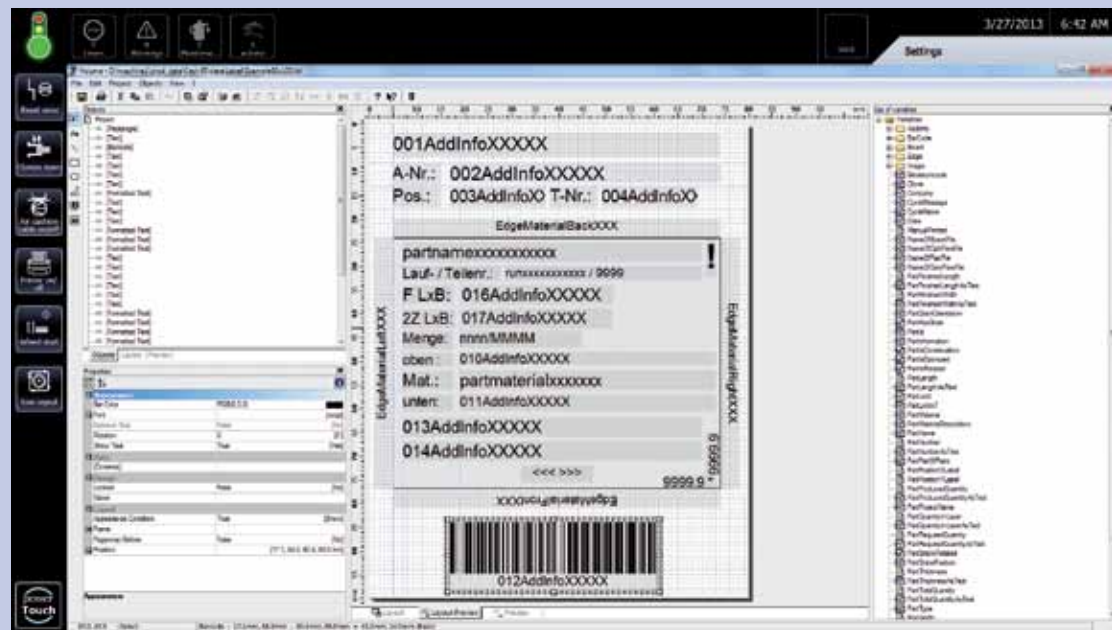

PRACTIVE
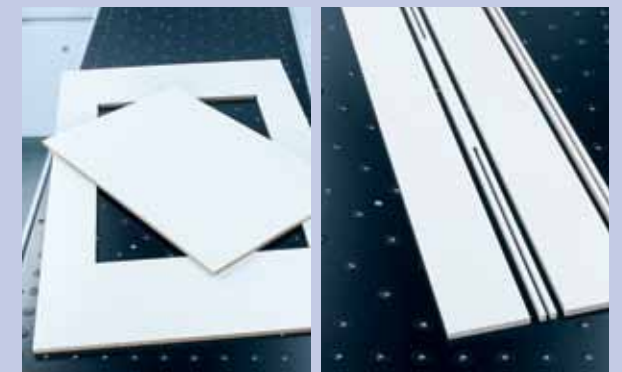
PROFESSIONAL

Optional feature
Labeling

CADmatic 4.1 PRACTIVE
Labeling

CADmatic 4.5 PROFESSIONAL
Labeling

With the "labeling" option, you can label the results of your work – whether individual components, cut books or entire stacks – with all the relevant information in time with the cuts, and pass data on to downstream machines.

How does it work? The layout editor allows you to define the label design and enter the required data in CADmatic. You are able to include text information as

well as graphics and freely selectable bar codes. The system will then generate the labels in perfect time with the processing cycles. Depending on the system, the labels are then attached automatically or by hand.

An optional feature that sets industry benchmarks where scope for design and hardware quality is concerned, leaving nothing to be desired.

Optional feature
Material-dependent parameters

CADmatic 4.5 PROFESSIONAL
Material-dependent parameters

When processing many different materials, the saw needs re-adjusting each time the material is changed. This re-adjustment increases set-up time at the expense of production time. Adjustment can be automated and significantly speeded up using the add-on module "material-dependent parameters".
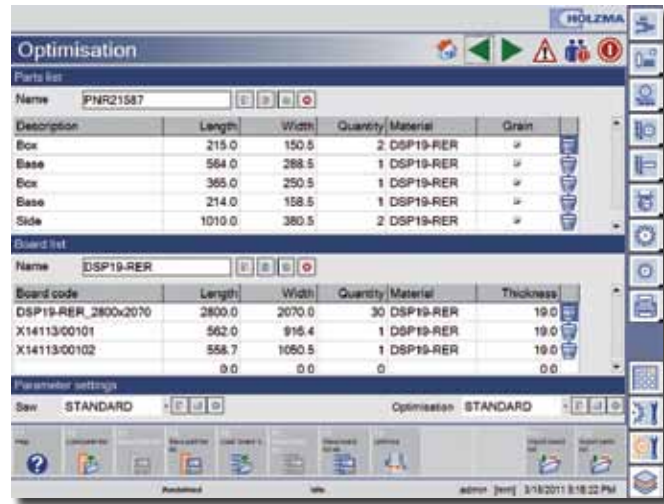
You only need to enter the parameter settings for each material once. These settings may include, for example, settings for the travel of the side pressure device, for the saw blade projection or

for the point of immersion for postforming material. Other parameters such as the pressure of the clamps and pressure beam, or the speed can also be specified, if your HOLZMA is equipped with one of these options (some options only available from the 3 series upwards).

When you change materials, you then only have to retrieve the corresponding set of parameters – and your HOLZMA is adjusted. This process is performed fully automatically and in the blink of an eye.
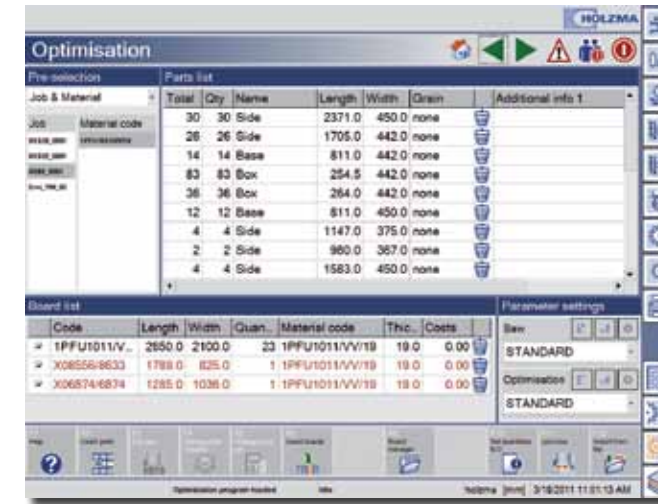
Optional feature
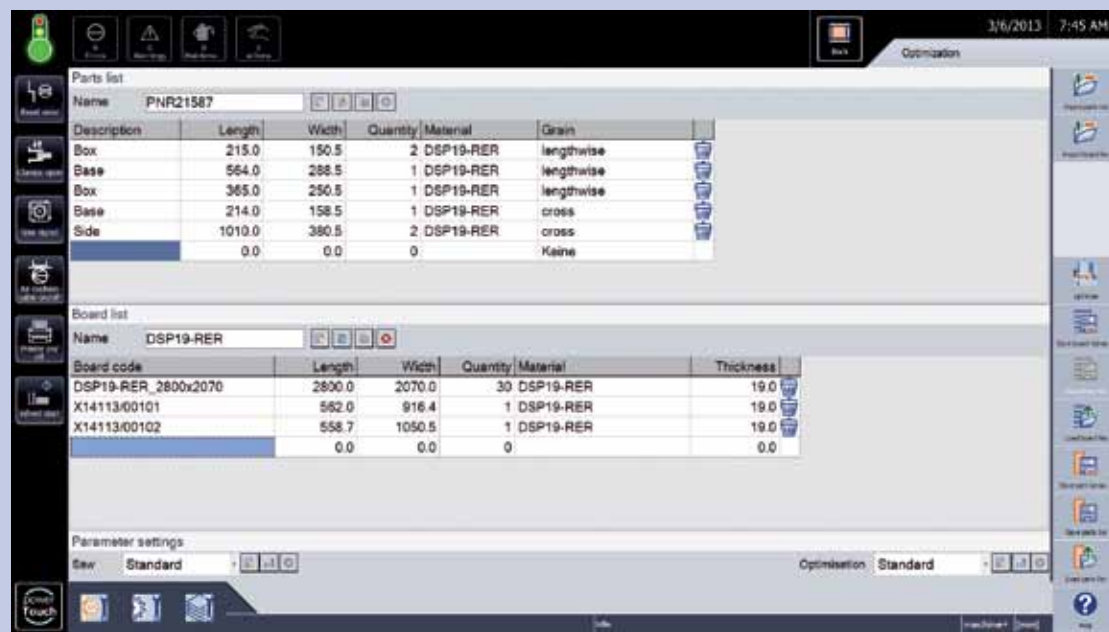# CADplan – manual cutting pattern optimization


CADmatic 4.1 PRACTIVE
CADplan – manual cutting pattern optimization

CADmatic 4.5 PROFESSIONAL
CADplan – manual cutting pattern optimization

Our motto is "get more out of it". That is why HOLZMA has taken its CADplan cutting pattern optimization feature directly to the saw. The benefit to you: you simply enter all the parts lists and panel lists for the current order into CADmatic, or

import the Excel lists required in CSV file format. CADplan then promptly generates optimized cutting patterns, minimizing material wastage and making your company more productive. The ideal solution for small to medium-sized orders.

Optional feature
Just-in-time optimization

CADmatic 4.1 PRACTIVE
Just-in-time optimization
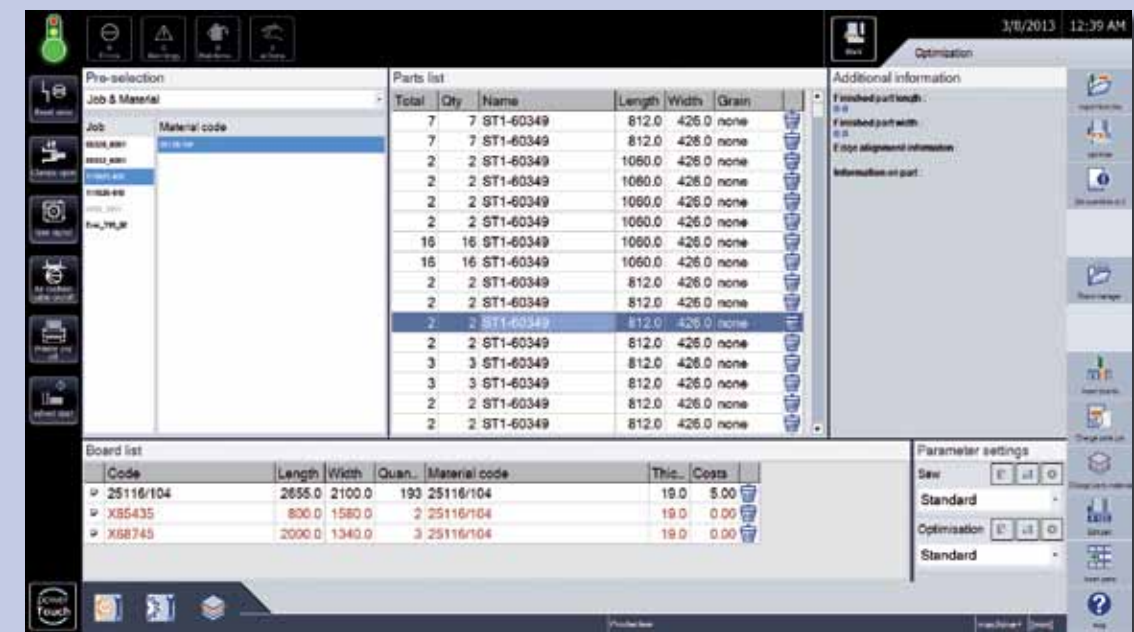
CADmatic 4.5 PROFESSIONAL
Just-in-time optimization

The "just-in-time" optimization option from HOLZMA goes one step further than CADplan, allowing you to import the parts lists currently required directly from the office and to process them on the saw – without time-consuming manual input, and precisely when you need them. If the same materials are required by different jobs, they can be grouped and optimized together. Thanks to this feature, the "just-in-time" add-on module allows very dynamic, production-related cutting pattern optimization.

If required, any offcuts available at the saw can be entered by hand before starting production and can then be included in the optimization process. The intelligent parts management feature allows a company's entire panel stock to be managed via CADmatic – an interesting alternative for all panel saws without stock control connection.

In addition, you also have the option of importing cutting patterns that have already been optimized from the office. Data will then simply be imported from an industry-standard optimization software program such as Cut Rite.
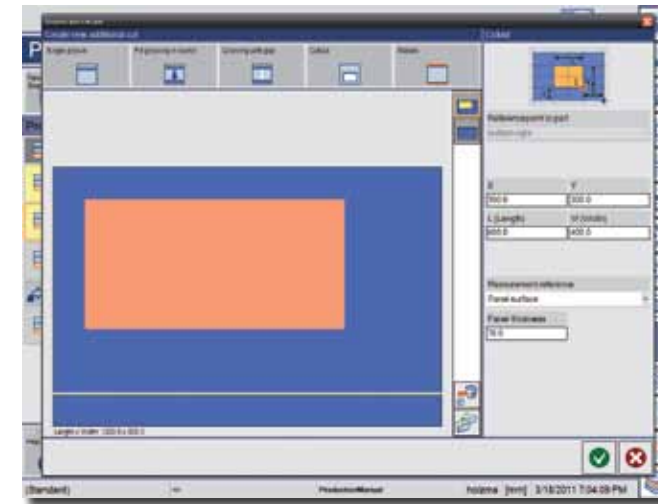
Optional feature
Manual production list:
1. Facts at a glance

CADmatic 4.1 PRACTIVE
Facts at a glance
(only HPP 200)

CADmatic 4.5 PROFESSIONAL
Facts at a glance

With the "manual production list" module, you are able to control all the functions of your saw using just one input screen, and keep an eye on everything at all times – thanks to 2D, real-time flow diagram. This module allows you to save all your input and retrieve it whenever required.

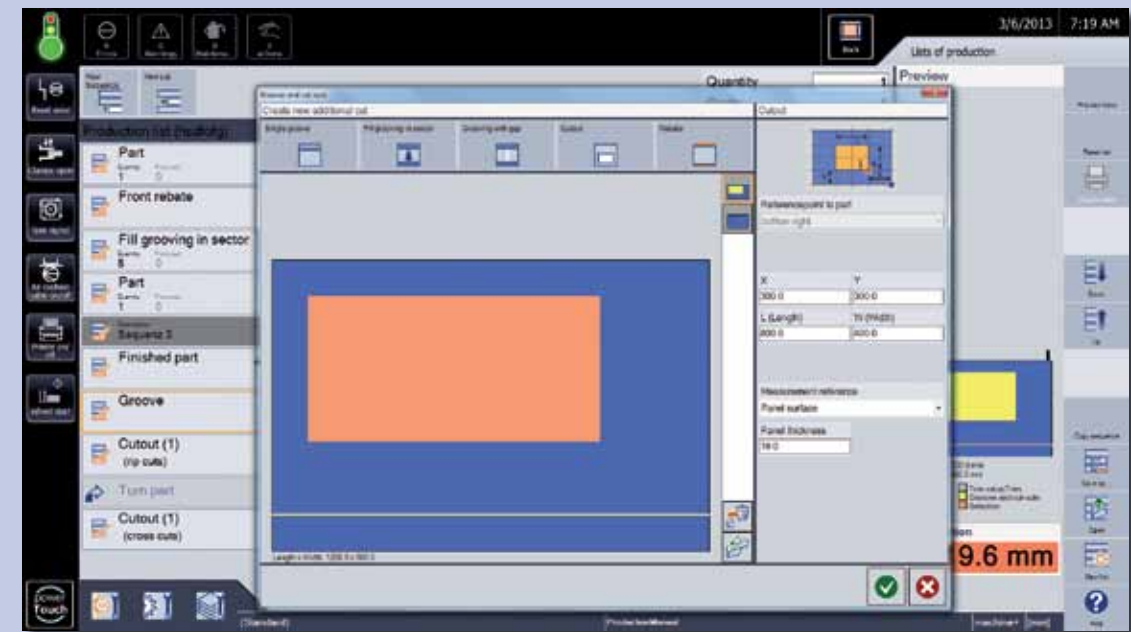## Optional feature
Manual production list:
2. One input screen for all work steps

CADmatic 4.1 PRACTIVE
One input screen for all work steps
(only HPP 200)

CADmatic 4.5 PROFESSIONAL
One input screen for all work steps

• Single cuts
• Processing of finished parts
• Grooving, turbo-grooving and rabbeting
• Cut-outs
• Cut to length
• Checkerboard cutting

Optional feature
Online data transfer

Optional feature
Destacking module LITE

Online data transfer

If you work in a network environment, you can exchange useful CADmatic data quickly and interactively – from saw to saw as well as between the saw and your company's central data management system.

HOLZMA offers you several ways of doing this:

• Wi-Fi online connection
• Ethernet cable online connection
• USB interface (chat function not available)
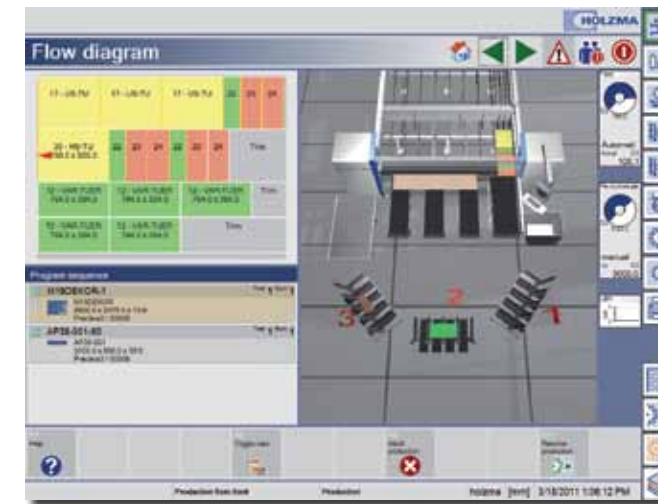
CADmatic 4.1 PRACTIVE
Destacking module LITE
(only HPP 200)

CADmatic 4.1 PROFESSIONAL allows users – via a secure network – to also view the production status and use the chat function for communication.

CADmatic 4.5 PROFESSIONAL
Destacking module LITE

Which part goes where? The answer to this question is supplied by the integrated destacking display. The individual parts are color-coded both in the cutting pattern and in the flow diagram. The machine operator can clearly see which of the parts already produced have been allocated to which destacking stations.

Optional feature
Storage system integration and production planning

Optional feature (PRACTIVE: only HPP 200)
1. Storage location management for ofcuts

Transparency in your offcuts store in the blink of an eye

The way to transparency in your offcuts store is quick and simple. All you need to get there is:
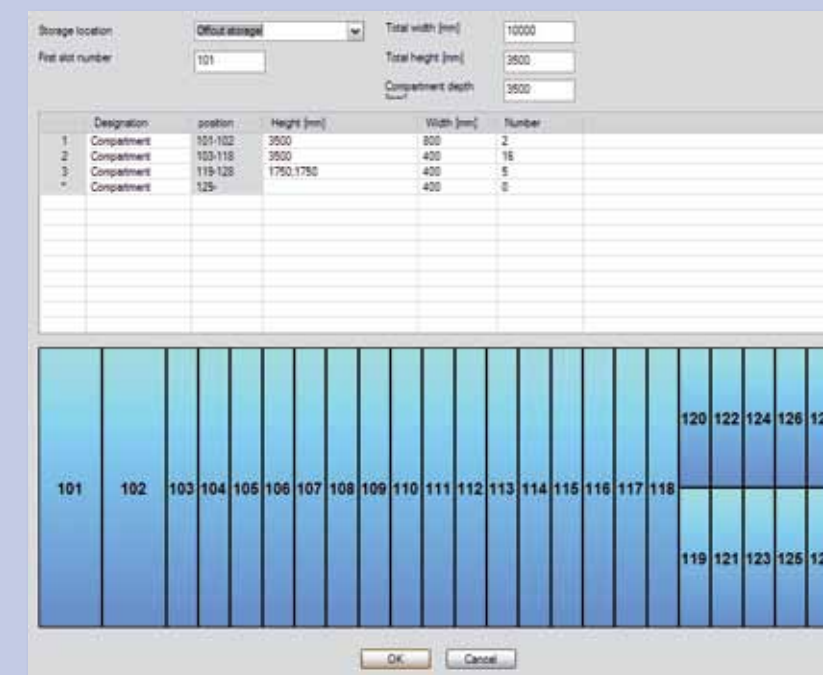
• Cut Rite from version PRACTIVE upwards
• CADmatic PRACTIVE or PROFESSIONAL with the "storage location management for offcuts" module
• The HOLZMA storage system software integrated at the factory
• The "stock control" module for Cut Rite

Plenty of potential for expansion

If you subsequently invest in a HOMAG Automation storage system, the "storage location management for offcuts" module can be directly integrated in the HOMAG Automation software.

The benefits

• You can adopt a customized storage strategy and sort offcuts according to size, material or other criteria.
• How many offcuts are in the store? How many are moved in or out of the store on average each day? The integrated statistical data generator provides the answers to these and other questions.
• Cut Rite groups cutting patterns together in a single run. This allows all the offcuts required to be shown at once and retrieved from the store before starting production.

Setting up the offcuts store

From feeding ...

"Storage system controls saw": CADmatic PROFESSIONAL features a data connection to your storage system, providing the basis for completely automated feeding. Current stock information from your horizontal, block stack or high-bay storage system is provided parallel to production and is taken into account in all CADmatic calculations, allowing material usage to be optimized. Even offcuts are registered and recorded in the storage system.

... to real time production planning

CADmatic PROFESSIONAL is prepared for connection to your internal ERP or PPC system. All production data is passed to the planning system in real time. This allows you to react promptly even to last minute changes in orders and take them into account for your production planning.

2. Storage location management for offcuts

3. Storage location management for offcuts

The procedure – step-by-step

After installing the software, you must enter the length, depth and width of each shelf compartment in the offcuts store – a quick and easy process thanks to the intuitive user interface.

1. As soon as an offcut leaves the saw, a label is printed.

2. The label indicates the compartment where the offcut is to be stored. Alternatively, you can also manually determine the storage location via CADmatic.

3. In either case, CADmatic recognizes the storage location and automatically synchronizes this information with the data in the storage system software and Cut Rite.

4. If you then want to produce a new cutting pattern, there are two options available: either retrieve a cutting pattern that has already been optimized by Cut Rite via CADmatic, or create a pattern directly at the saw using the CADmatic "pattern entry" feature.

5. As soon as you start production, the flow diagram will show you which offcut you need to retrieve from which shelf.

An extra for greater flexibility: the scanner package

If you do not only use your HOLZMA saw to process offcuts, you can now benefit from the new scanner package. The scanner will show whether an offcut in the store is still available or already reserved.

- The operator scans the label using the scanner.
- If the offcut has already been reserved for a cutting pattern, a red light comes on.
- If this is not the case, a green light comes on and the operator can take the offcut. The HOLZMA "storage location management for offcuts" then automatically adjusts the stock.
- In exceptional cases, a blue light may come on and prompt the operator to enter more details.
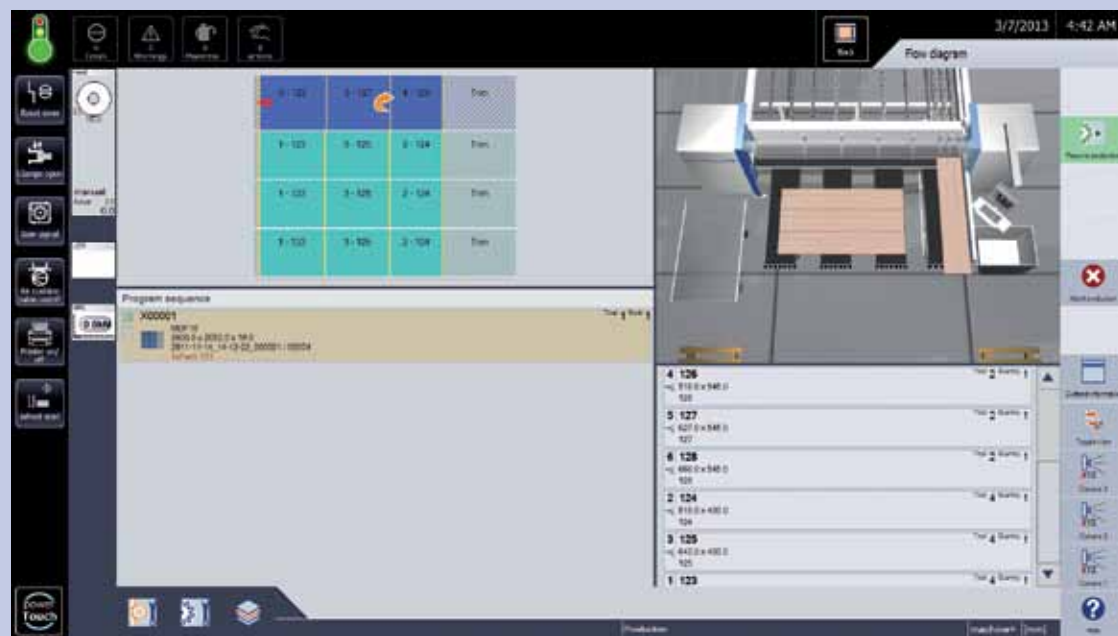
CADmatic 4.5 PROFESSIONAL
Offcut removal display in the flow diagram

CADmatic 4.5 PROFESSIONAL
Controlled storage of offcuts

PRACTIVE

PROFESSIONAL

Optional feature –
only for CADmatic 4.5 PROFESSIONAL
Destacking module PRACTIVE

**An intelligent destacking concept that guides the operator**

With the optional "destacking module PRACTIVE", CADmatic 4.5 PROFESSIONAL controls not only the cutting process, but also the process of destacking by the operator. The new powerTouch control panel shows the operator exactly when and where each part is to be deposited via the monitor and on each label. This process is underpinned by an intelligent destacking concept designed to boost the efficiency of post-cutting processes enormously – for example, by creating stacks optimized for subsequent processing steps.

Reduces routes, space requirements and operator dependency

Thanks to the optional "destacking module PRACTIVE", the program sequence and the destacking strategy can be managed more precisely and tailored more effectively to requirements than ever before. You can determine whether the stack formation is optimized for subsequent processing steps or according to the order or material. These priorities can be combined with one another and weighted according to the primary objective. This process ensures clear operator guidance, reduces routes between the saw and the destacking location, and ensures optimized pallet utilization with stable stack formation.

New! More features for intelligent destacking:

- **Visual operator guidance:** an additional LED display indicates, at the same time as the monitor, when the operator is to push a cut part onto the parts buffer, or remove it from there.
- **Flexible parts buffer:** up to now, only the parts of a panel that were cut last went onto the parts buffer, so as not to slow down the saw. New: now the parts buffer is always used whenever it can improve stack formation.
- **Additional stability:** in order to make stacks more stable, waste parts are now actively used in stack formation.
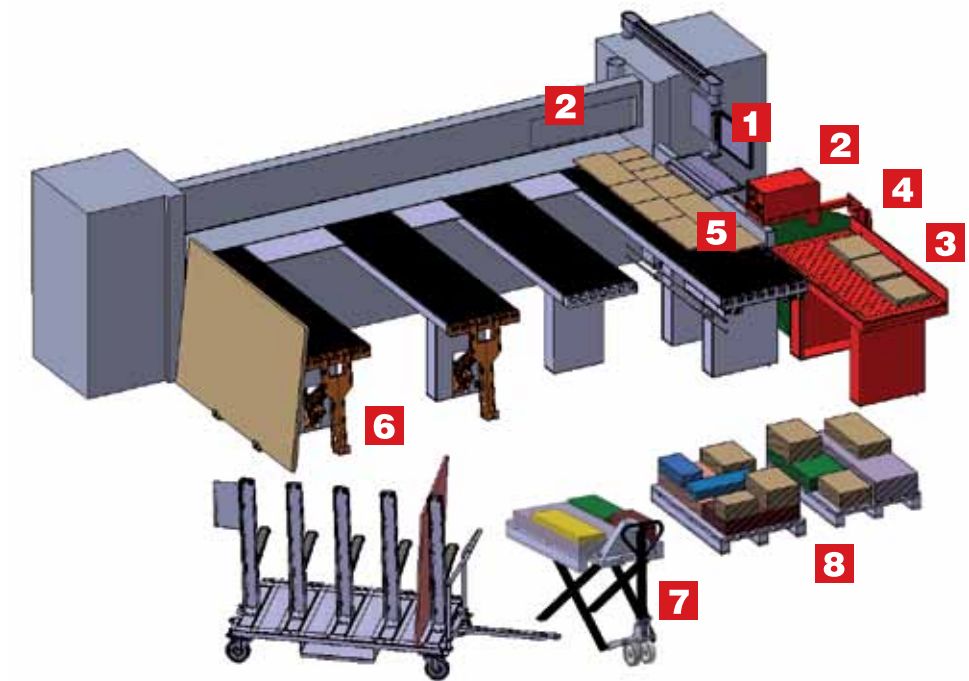
The new HOLZMA destacking concept

1. New destacking software
2. Label printing with destacking information
3. Parts buffer
4. Waste container
5. New chopping edge
6. Feeding and destacking aid
7. New scissor lift pallet truck
8. Intelligent stack formation
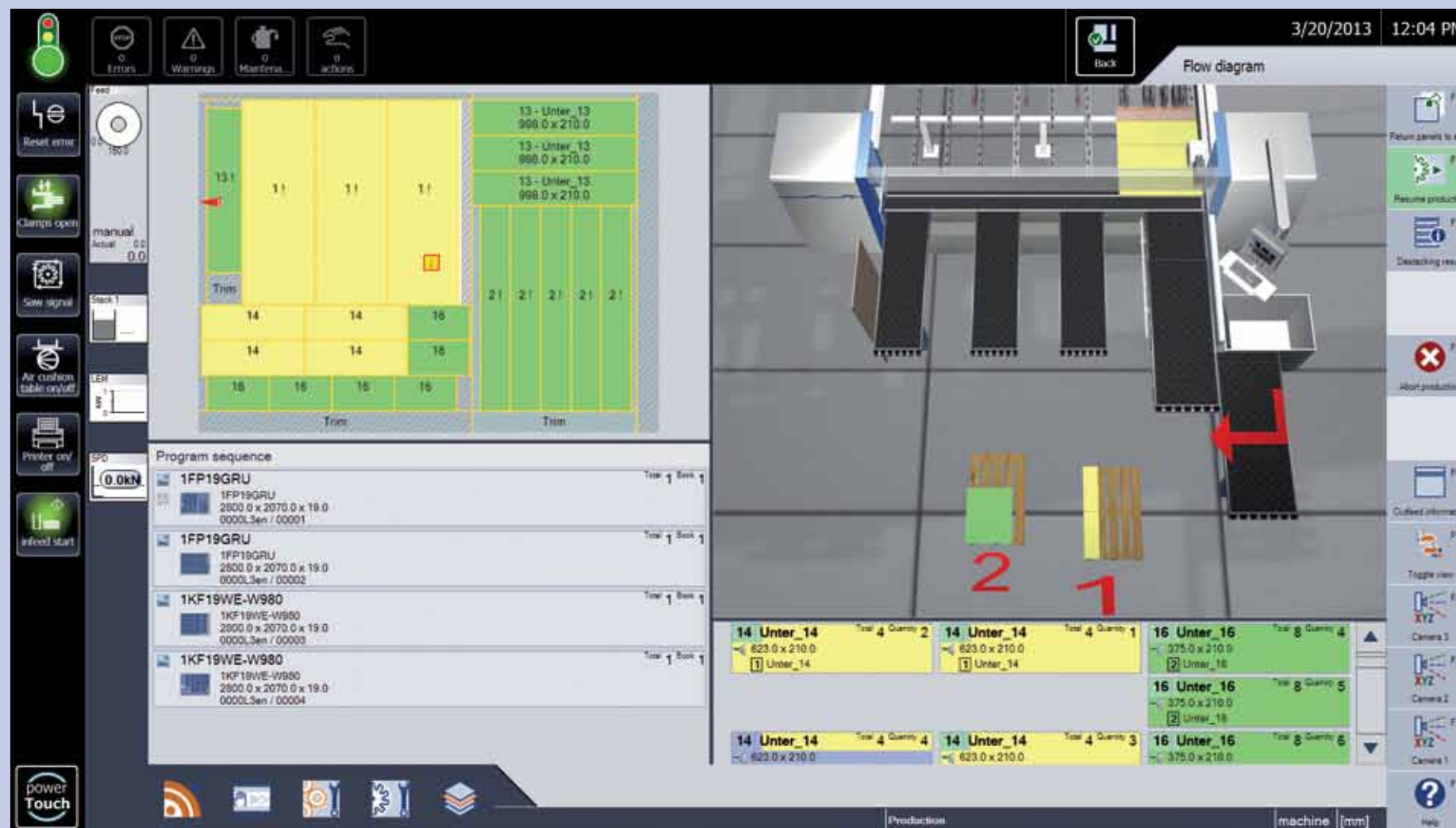
PROFESSIONAL

Automatic angle cut

Integrated camera monitoring

PROFESSIONAL

CADmatic 4.5 PROFESSIONAL
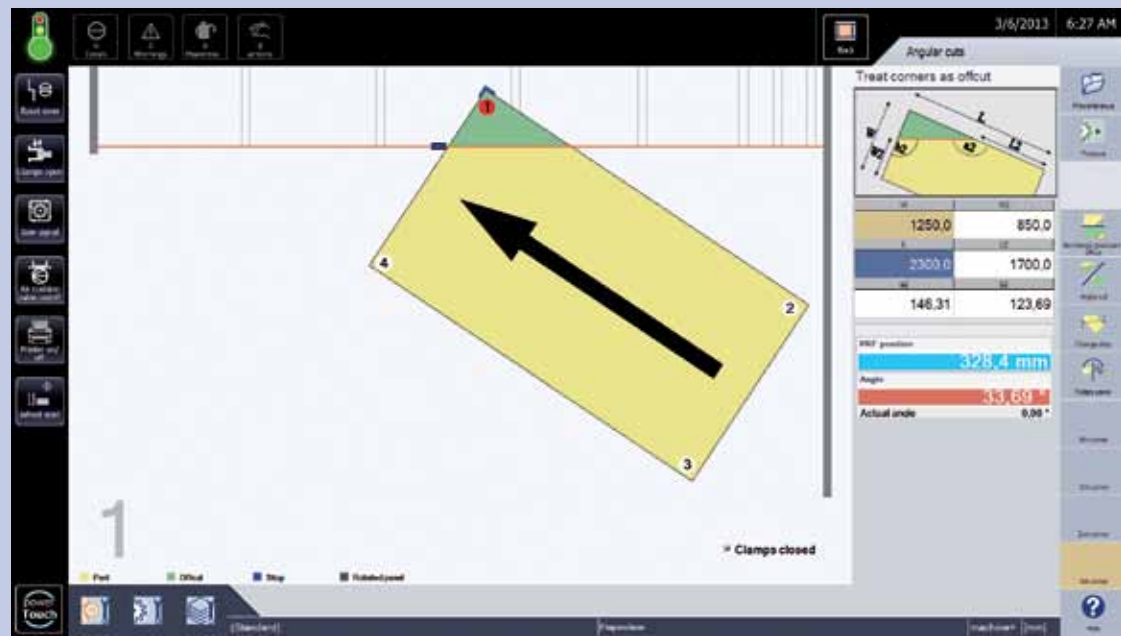**Automatic angle cut**

The angle cut program allows you to control precise
angle cuts either manually, or automatically using an
angle cut clamp, depending on how the machine is
equipped. This feature enables you to achieve precise
results quickly and easily.

CADmatic 4.5 PROFESSIONAL
Integrated camera monitoring

Especially for large panel saws, HOLZMA offers an inte-
grated camera monitoring system for the rear machine
table. Whenever the saw is fed, CADmatic automatically
displays the current camera image, enabling you to keep
an eye on everything at all times. Furthermore, it is also
possible to record the camera images for troubleshoot-
ing and workflow-optimization purposes and to forward
the images to the HOLZMA Service department.

Technical data
CADmatic PRACTIVE | CADmatic PROFESSIONAL

Area	Function	Option number	4.1 PRACTIVE	4.1 PROFESSIONAL as an option	4.5 PROFESSIONAL
	Machine model		HPP 130 HPP 180 HPP 200	HPP 200	3 series 4 series 5 series 6 series
General					
	Display		19"	19"	21"
	Resolution		1 280 x 1 024	1 280 x 1 024	1 920 x 1 080
	Touchscreen		✘	✔	✔
	Machine keys		✔	✔	✔
	Machine controller		✔	✔	✔
	Optimized user interface: "simplified views"		✔	✔	✔
	Optimized user interface: "advanced views"		✘	✔	✔
Production methods					
	Fixed position		S	S/A	S/A
	Cut to length		S	S/A	S/A
	Single parts		S	S/A	S/A
	Cutting pattern entry		✔	✔	✔
	Pattern selection (cutting pattern management)		S/A	S/A	S/A
	Pattern selection: estimation of production times		✘	✔	✔
Production methods – optional features					
	Grooving program (automatic)	6050	✘	✘	O
	Turbo-grooving	6057	✘	✘	O
	Cut-outs and stress-elimination cut	6065	HPP 180: ✘ HPP 200: O HPP 130: O (only stress-elimination cut)	O	O
	Angle cut program	6085	O (only HPP 200)	O	O
	Manual production list	6066	O (only HPP 200)	O	O
	PPC feedback	6240	✘	✘	O
	Integrated camera monitoring	6318	✘	✘	O
	Camera-controlled scoring saw adjustment	6040	✘	✘	O
	Production start supported by barcode scanner	6230	O (only HPP 200)	O	O
Stock control					
	Storage system integration	6225	O (only HPP 200)	O	O
	Storage system integration in CADplan and cutting pattern entry		✔ (only HPP 200)	✔	✔
	Improved offcuts return system		✘	✘	✔
	Storage location management for offcuts	6097	O (only HPP 200)	O	O
	Storage location management for offcuts (scanner option)	6098	O (only HPP 200)	O	O

Area	Function	Option number	4.1 PRACTIVE	4.1 PROFESSIONAL as an option	4.5 PROFESSIONAL
	Machine model		HPP 130 HPP 180 HPP 200	HPP 200	3 series 4 series 5 series 6 series
Optimization					
	CADlink	6089	O	O	O
	CADplan for angular saw units	6092	✘	✘	O
	CADplan just-in-time	6093	O	O	O
Flow diagram					
	3D flow diagram		S/A	S/A	S/A
	Display of part details in the cutting pattern		✔	✔	✔
	Flow diagram: preview and review feature		✘	A	A
Settings / parameters					
	Parameter management		✔	✔	✔
	User-defined show / hide parameters feature		✔	✔	✔
	Material-dependent parameters	6100	✘	✘	O
	Automatic compensation of saw blade offset		✔	✔	✔
	Tool settings		✔	✔	✔
	Tool management		✘	✔	✔
Destacking					
	Destacking module LITE	6310	O (only HPP 200)	O	O
	Destacking module PRACTIVE (with operator guidance)	6311	✘	✘	O
	Destacking module SYSTEMS	6315	✘	✘	O
Miscellaneous					
	Alarms overview (graphically supported diagnostics)		✔	✔	✔
	woodLine & woodScout integration	6243	✘	✘	O
	Data transfer via network	6200	O	O	O
	Web access with option number 6200		✘	O	O
	Data transfer via USB	6206	O	O	O
	HOMAG MMR basic		✔	✔	✔
	HOMAG MMR professional	6125	✘	✘	O
	Run data evaluation with Cut Rite	6120	O (only HPP 200)	O	O
Labeling					
	Labeling program	6075	O	O	O
	Labeling with parts graphic	6070	O	O	O

✔ Standard
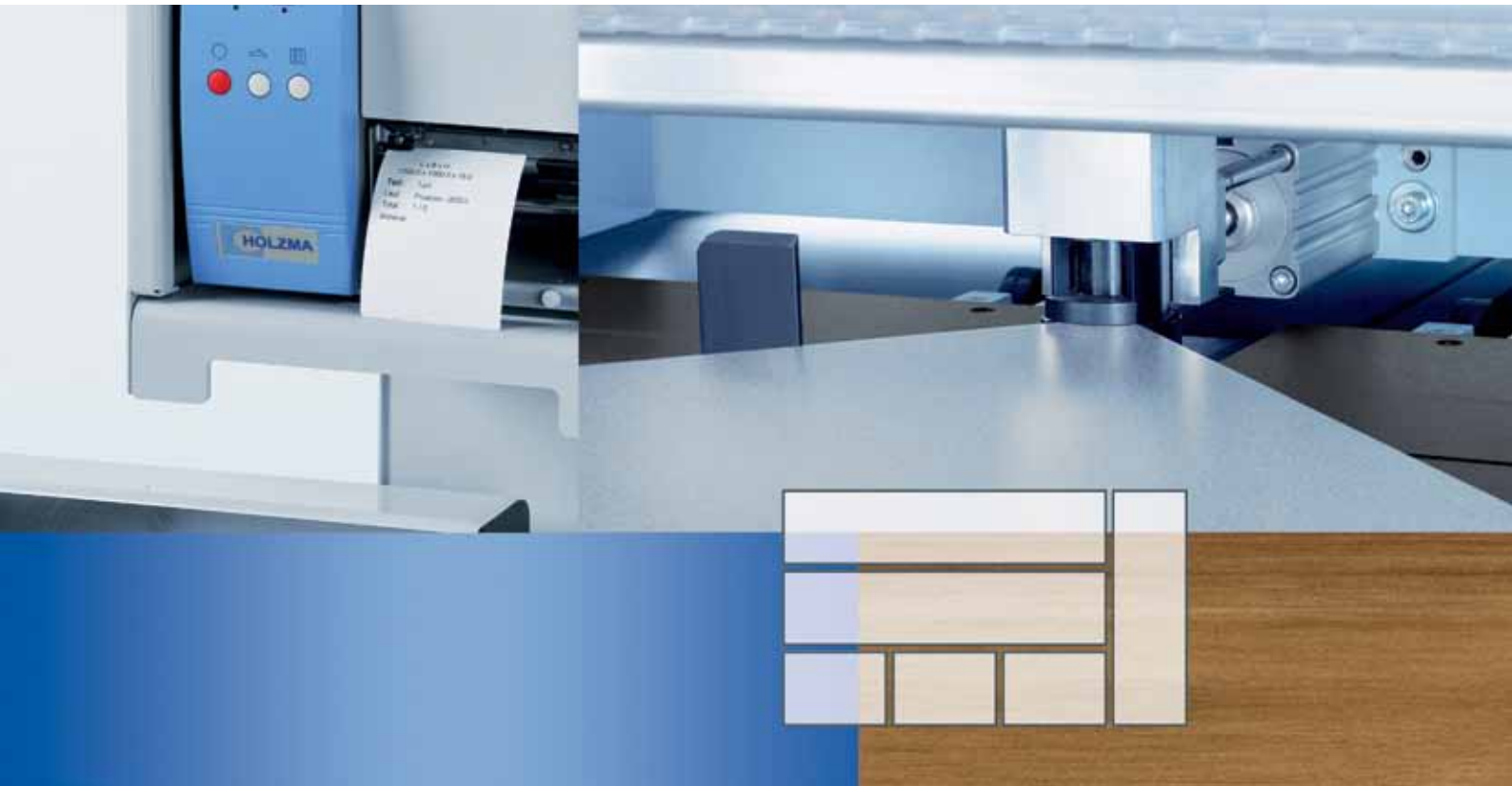S Standard simplified
A Standard advanced
O Optional
✘ Not possible

This brochure was given to you by:

A company of the HOMAG Group

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