

# LOHMEYER

SMART · WOOD · WORKING



DBS 5 IQ • NP 3 HG • NPL 3 HG

Horizontal Panel Saw Sliding Table Saw CNC Machining Center Edgebander

## Wood IQ is your smart choice A good foundation means everything



### We are Lohmeyer

Lohmeyer Smart Wood Working stands for the value chain in panel processing. Cutting, edge banding, drilling and routing - these are our specialities. We want to support your success as an industrial manufacturer of panel materials and as a professional supplier with standardized best-practice machines paired with fast and reliable service. A team of specialists with many years of experience in panel processing is making this possible.

Our smart product lines of the 3, 5, 7 and 8 series combine proven quality with a price-performance ratio that is unmatched. This is possible because we intelligently combine different components. Experienced German and Chinese engineers consistently implement European technical standards in machine technology. The machines are produced in China in one of the most advanced production facilities for woodworking machines.

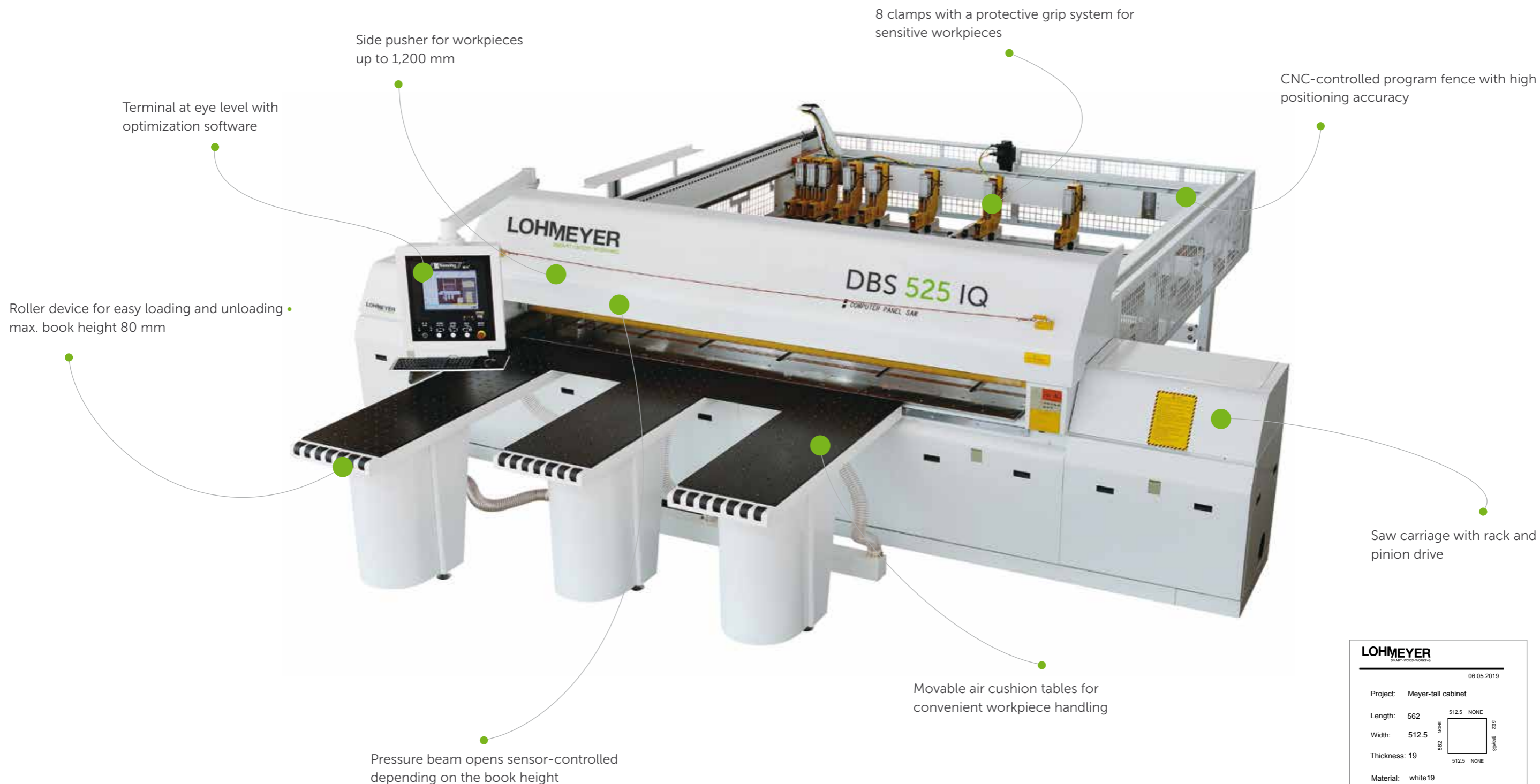
Our European service network guarantees the continuous availability of our machines and systems as well as technical support at any time.





# Lohmeyer series DBS 5 IQ

## Optimized cutting patterns for panel books up to 80 mm

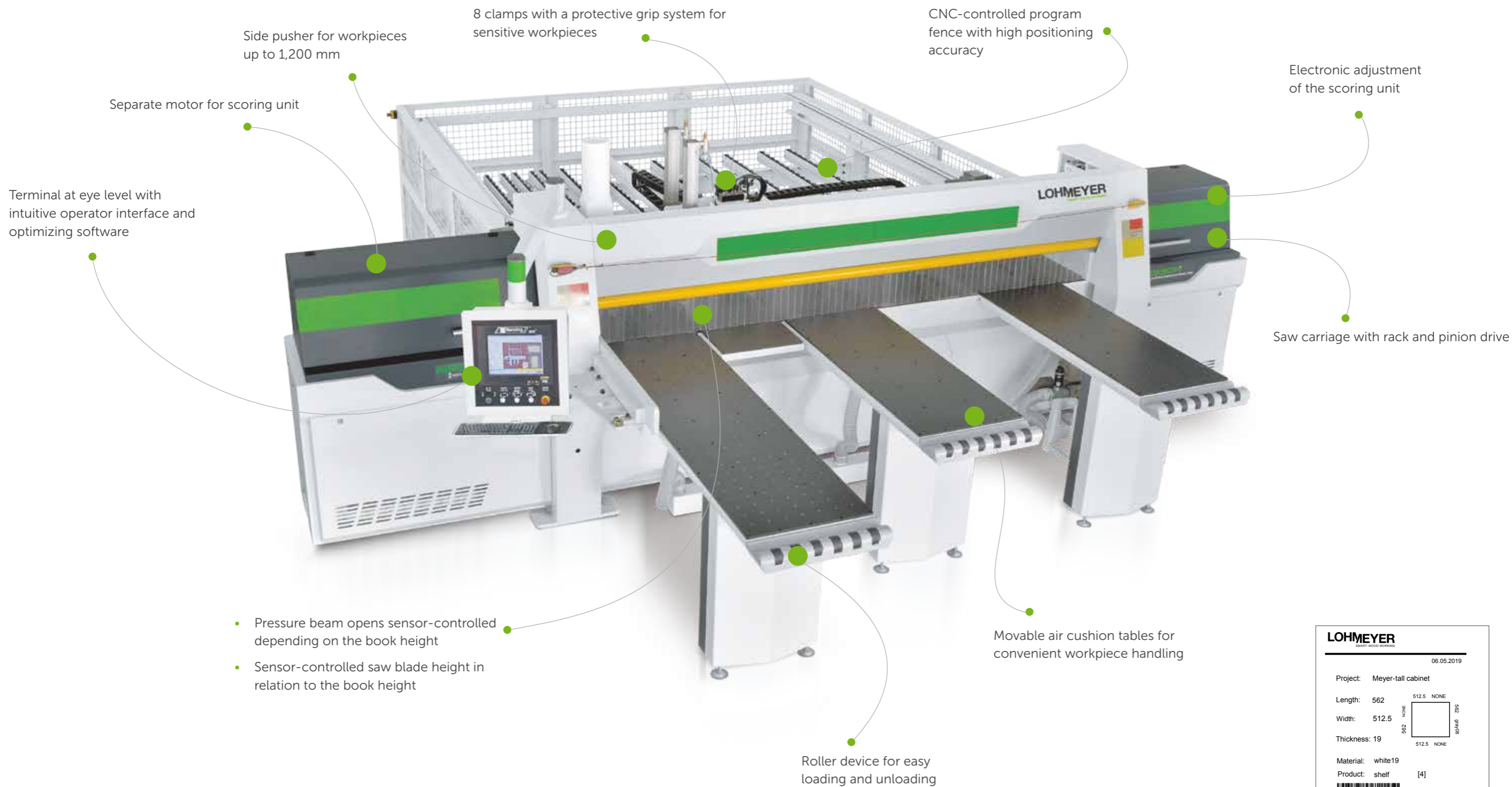


<b>LOHMEYER</b>	
06.05.2019	
Project:	Meyer-tall cabinet
Length:	562 512.5 NONE
Width:	512.5 NONE
Thickness:	19 512.5 NONE
Material:	white19
Product:	shelf [4]

Barcode printer

# Lohmeyer series NP 330 HG • NP 380 HG

## Optimized cutting patterns for panel books up to 120 mm



- Pressure beam opens sensor-controlled depending on the book height
- Sensor-controlled saw blade height in relation to the book height

**LOHMEYER**  
SMART WOODWORKING

06.05.2019

Project: Meyer-tall cabinet

Length: 562      512.5 NONE

Width: 512.5      NONE

Thickness: 19

Material: white19

Product: shelf      [4]

Barcode printer



# Lohmeyer series NPL 330 HG • NPL 380 HG

## Optimized cutting patterns with automatic loading



Automatic loading (left/right/rear)

- Saw carriage with rack and pinion drive
- Electronic adjustment of the scoring unit
- Separate motor for scoring unit

**LOHMEYER**  
SMART WOODWORKING

06.05.2019

Project: Meyer-tall cabinet


Length: 562      512.5 NONE

Width: 512.5      NONE

Thickness: 19

Material: white19

Product: shelf      [4]



Barcode printer



## Outstanding features DBS 5 IQ

- ✓ DBS 5 IQ
- ✓ NP 3 HG
- ✓ NPL 3 HG

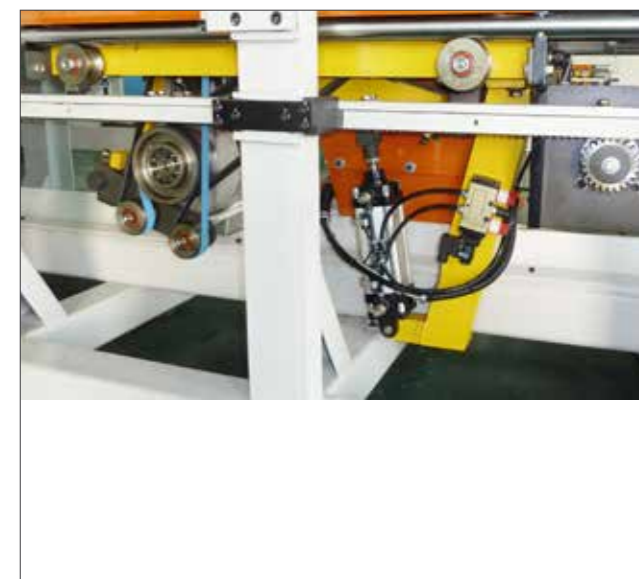


- powerful and efficient - 15 kW motor
- maximum productivity due to a wide range of automation options
- highest angular precision thanks to dual strip aligner
- user-friendly ergonomics and highest safety standards
- cutting of narrow strips max. 40 mm width
- single panel and book cutting max. 80 mm thickness
- easy and intuitive operating control incl. optimizing software
- standard large 15" display
- feed rate: 8-50 m/min
- saw carriage with rack and pinion drive



## Outstanding features NP 3 HG • NPL 3 HG

- ✓ DBS 5 IQ
- ✓ NP 3 HG
- ✓ NPL 3 HG



- powerful and efficient - 18 kW motor
- scoring saw unit - 2.2 kW motor
- electronic alignment of the scoring unit to the main saw blade
- saw blade height depending on the book to be cut
- maximum productivity due to a wide range of automation options (NPL 3 HG)
- lifting table with separate push-off carriage for efficient loading (NPL 3 HG)
- highest angle accuracy due to double strip aligner
- user-friendly ergonomics and highest safety standards
- cutting of narrowest strips max. 40 mm width
- single board and book cutting max. 120 mm thickness
- easy and intuitive operating control incl. optimizing software
- standard large 15" display
- feed rate: 8-50 m/min
- quick change system for saw blades





- ✓ DBS 5 IQ
- ✓ NP 3 HG
- ✓ NPL 3 HG

## Basic configuration

### High mobility on a stable basis



#### Side alignment

The NC-controlled angle pressing device, which can be moved over a cutting length of up to 1,200 mm, aligns the workpieces laterally and thus reliably and permanently ensures precise angular cuts.



#### Air cushion tables for safe handling

The movable air cushion tables equipped with steel balls and a roller device with optimum air distribution allow the operator to move and rotate the panel books efficiently, effortlessly and gently. A powerful fan provides the necessary air cushion to protect the material.

Starting from a cutting length of 3,800 mm, the machines are equipped as standard with four air cushion tables, each 1,900 mm long.



- ✓ DBS 5 IQ
- ✓ NP 3 HG
- ✓ NPL 3 HG



#### The pressure beam

The design of the pressure beam guarantees maximum rigidity and ensures uniform pressure over the entire book directly at the cutting line. Any vibrations are thus reduced to a minimum. The high-precision clamps in combination with the pressure beam guarantee best cutting results. The pressure, which can be adjusted by means of a pressure gauge, enables workpiece-specific settings. The results are material saving reference cuts. The height of the pressure beam depends on the book height - this saves time and reduces cycle times.



#### Automatic lubrication system

The automatic lubrication system ensures smooth operation by simplifying and reducing maintenance and repair work.



#### Rear loading NPL 3 HG

- max. stacking height 1,200 mm
- hydraulic lifting table for heavy duty applications
- max. 5,000 kg load capacity





## Basic configuration

### High mobility on a stable basis

#### Clamps - Guarantee for exact positioning

Robust clamps hold, convey and position the workpieces reliably and precisely even at high speeds. At travel speeds of up to 80 m/min, perfect parallelism is guaranteed over the entire machining time by means of a wear- and maintenance-free electro-magnetic measuring system. The contact pressure of the clamps is individually adjustable.

The drive is provided by a servo motor with rack and pinion.



#### Powerful program fence

A solid double T-beam lateral guide with prism roller and linear guides on both sides ensure precise positioning of the workpieces. The program fence has a servo drive and is driven by rack and pinion to ensure parallel compensation. The drive, guide and measuring systems are separate units which guarantee high feeding accuracy. The wear- and maintenance-free measuring system consists of a magnetic guide ruler, which works contact-free, does not have to be readjusted and is not influenced by dust.

High program fence speed up to 80 m/min.



#### Machine base - robust and reliable basis

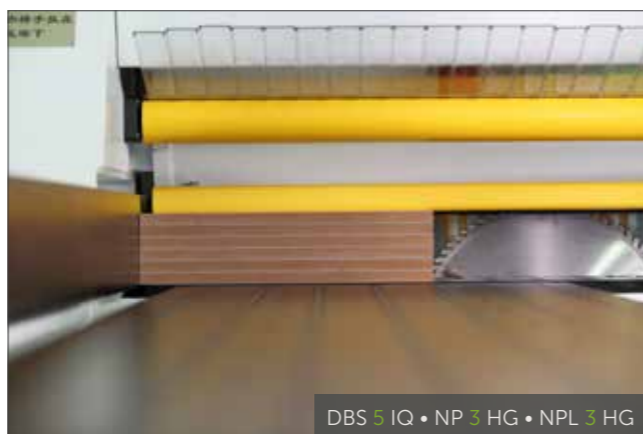
The total weight of the saws of over 6,000 kg each speaks for itself. The sturdy machine base accommodates the saw carriage and, with its perfect parallelism and perpendicularity, ensures permanently precise guidance - the perfect basis for optimum cutting results.

The standard machine table support is a chrome-plated and hence wear-free steel table.



#### Additional start/stop switch

If the terminal is difficult to reach when machining large workpieces, a start/stop switch at the front of the air cushion table facilitates the activation of the machining process.



- ✓ DBS 5 IQ
- ✓ NP 3 HG
- ✓ NPL 3 HG

## Further equipment

- ✓ DBS 5 IQ
- ✓ NP 3 HG
- ✓ NPL 3 HG

#### Electrical cabinet

- separate switch cabinet with air conditioning system
- clear arrangement of the electronic components
- high-quality safety modules
- cable labelling for easy fault diagnosis

**Note:** The control cabinet equipment varies depending on the machine type.



## Safety first!

#### Reliable and save production with Lohmeyer machines

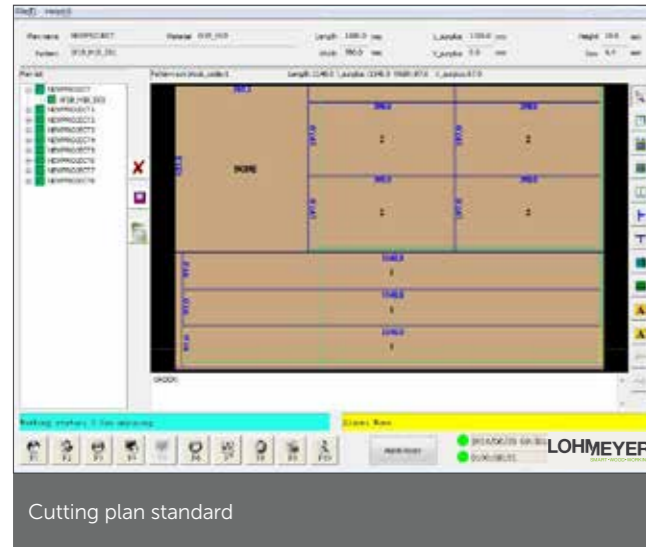
The rear machine table is surrounded by a safety fence. This reliably prevents unintentional entry into the danger zone.





## Label printer

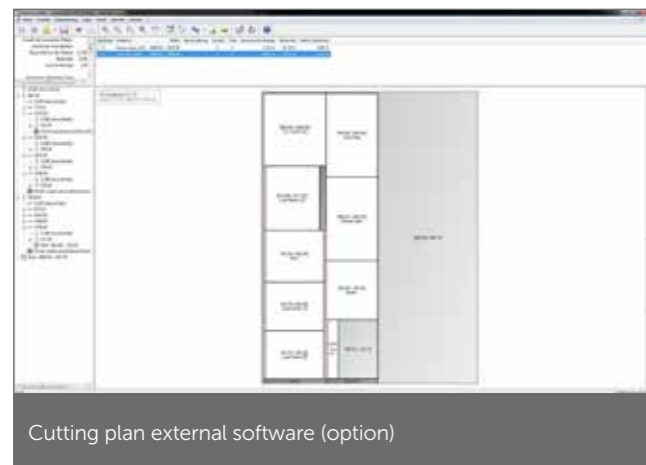
All workpiece information at a glance



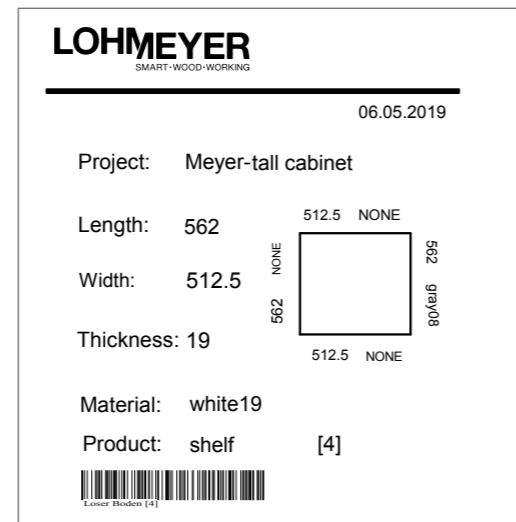
Cutting plan standard

## Barcode printer

A label identifies the workpieces and provides useful information for subsequent processes. A layout editor helps to design labels, both text information and graphics can be included. This ensures that the desired edge band is glued to the correct edge at the edge banding machine and that the correct file for processing is called up at the processing centre.



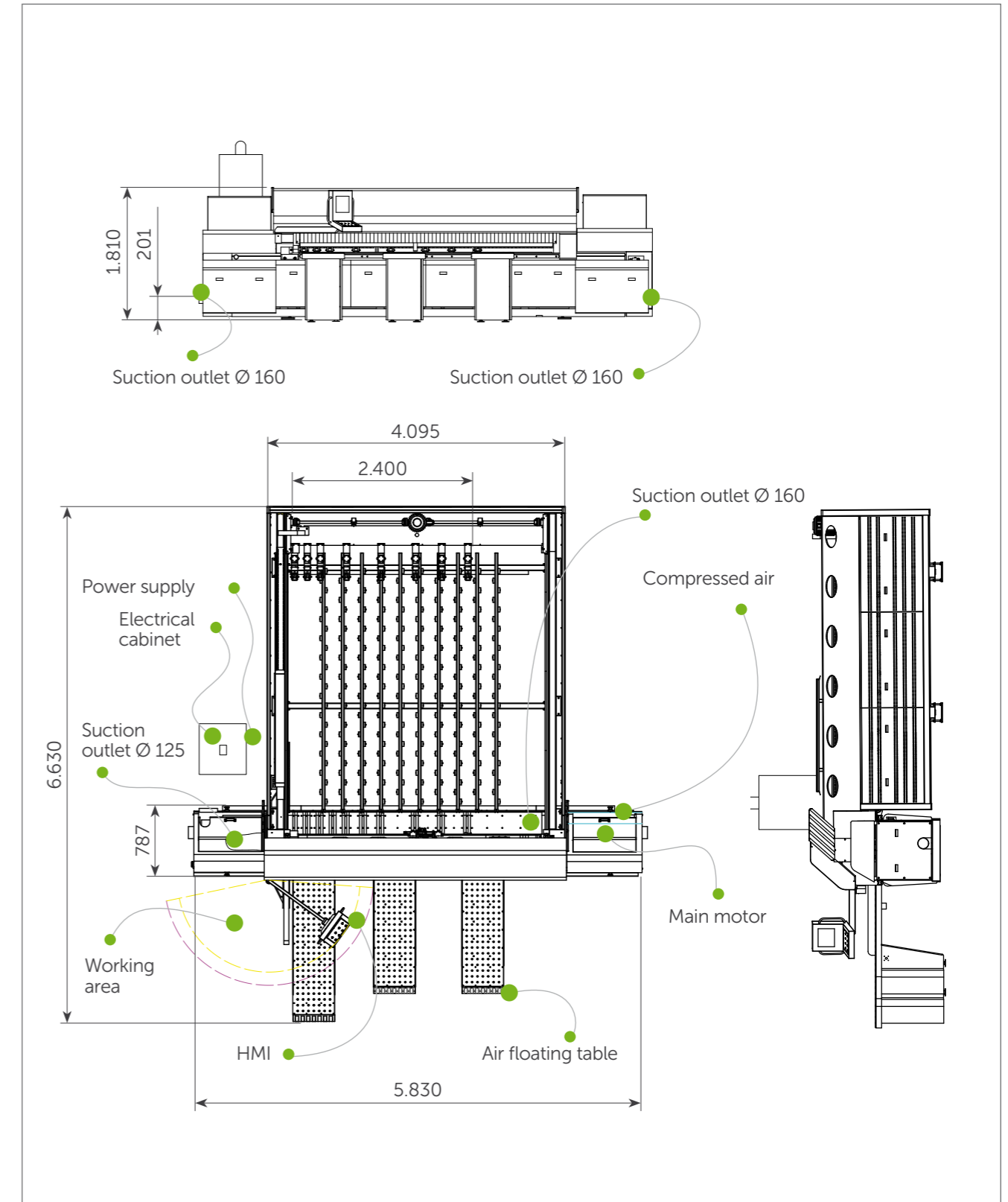
Cutting plan external software (option)



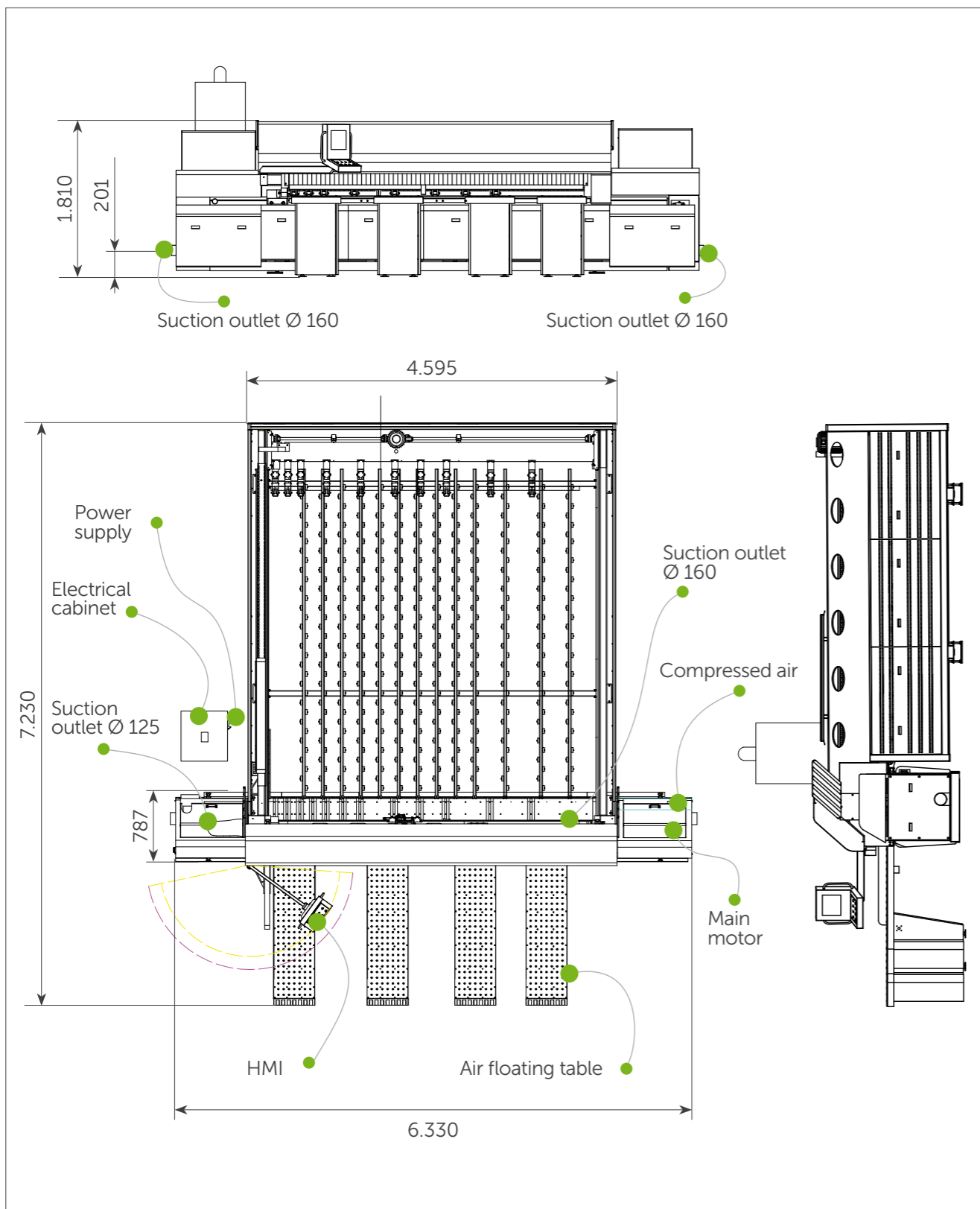
- ✓ DBS 5 IQ
- ✓ NP 3 HG
- ✓ NPL 3 HG

## Layout

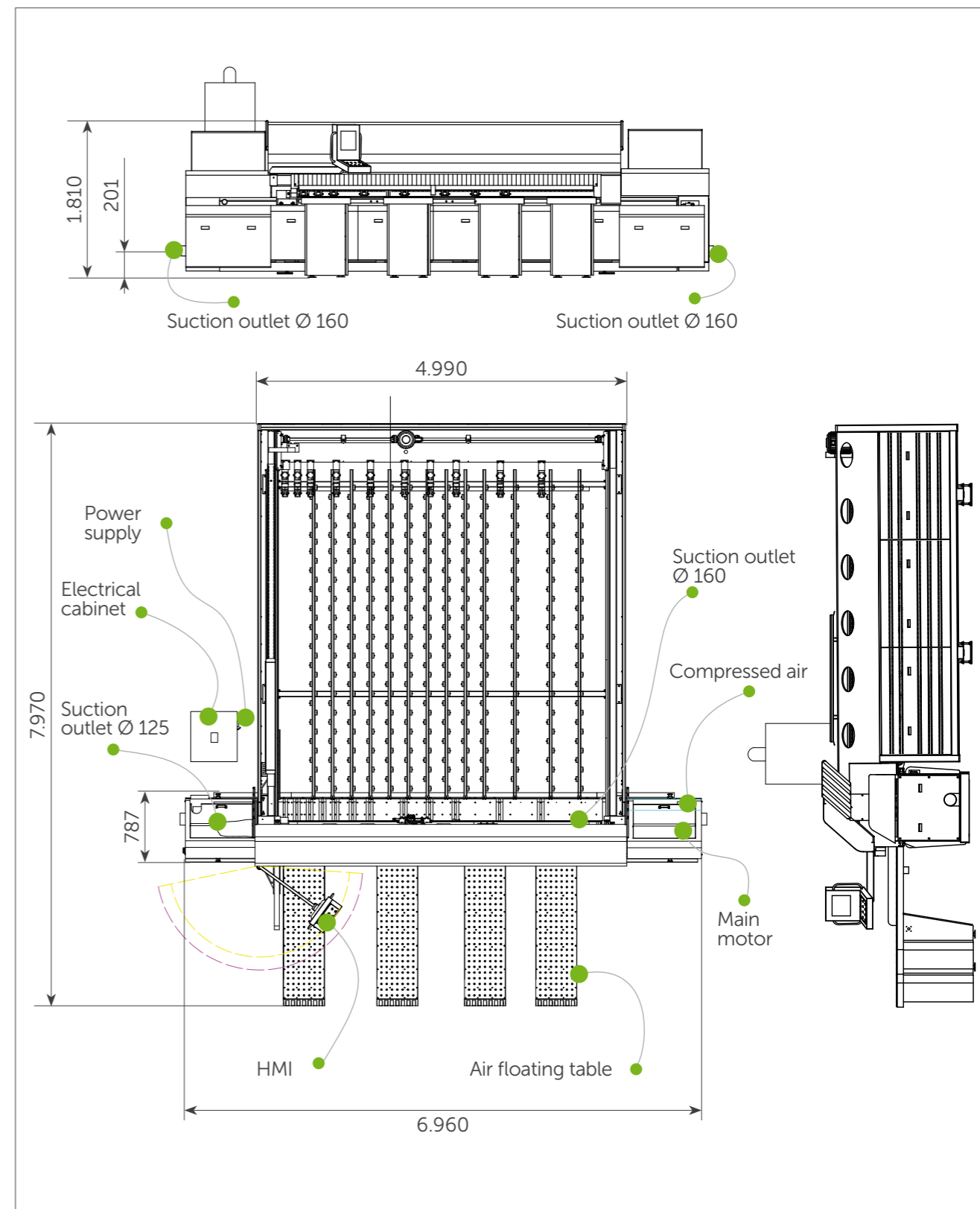
DBS 525 IQ



# Layout DBS 550 IQ

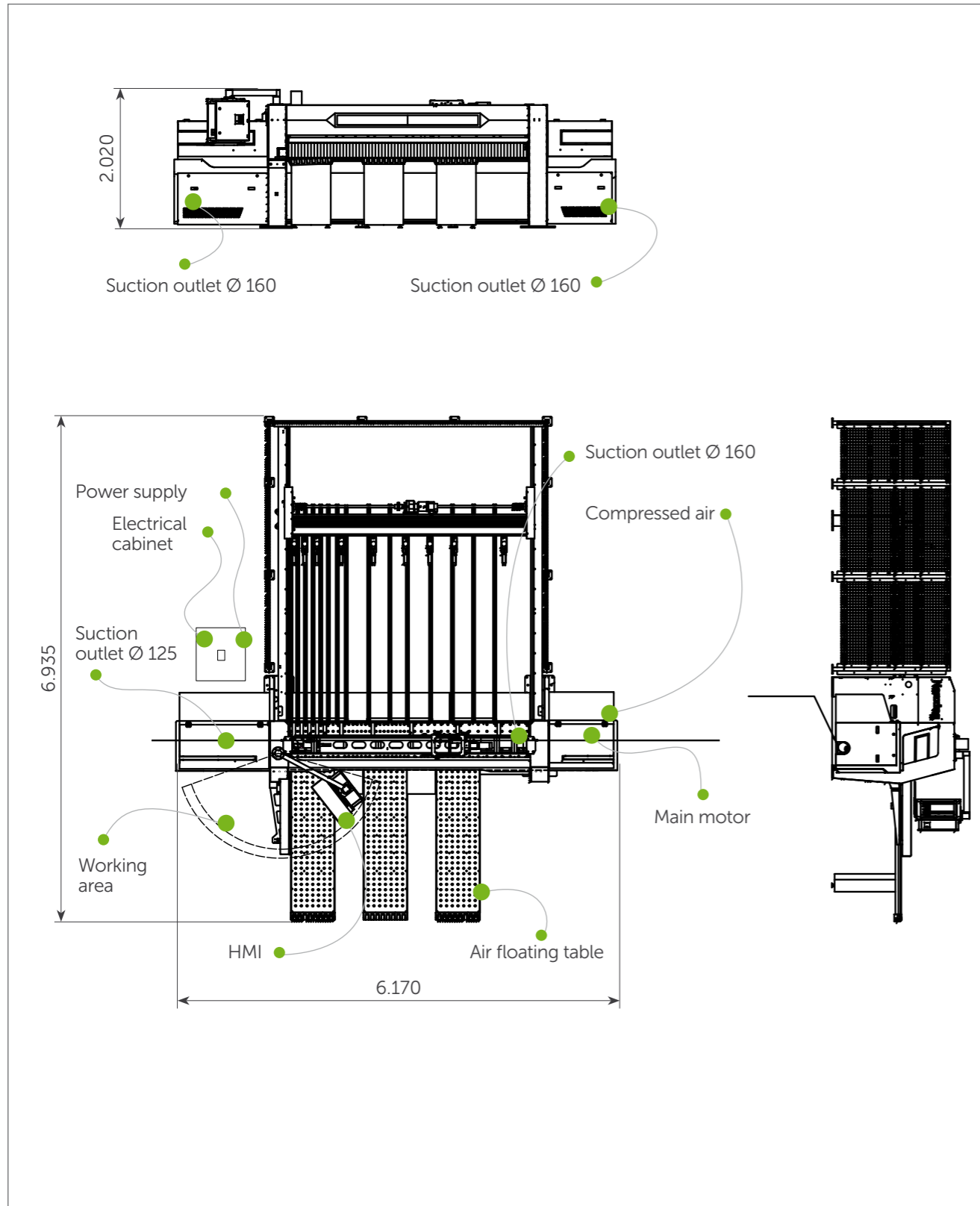


# Layout DBS 580 IQ

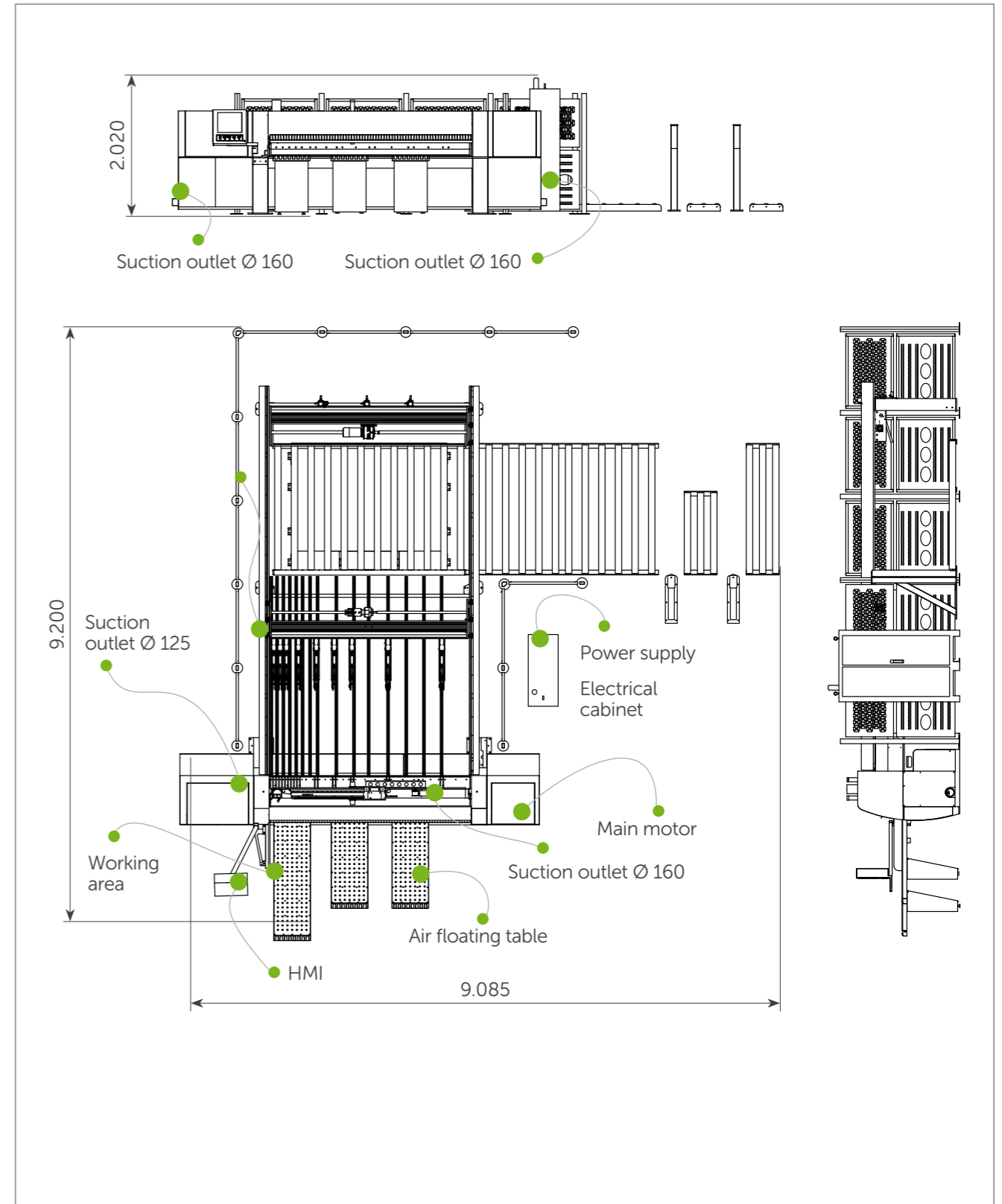




# Layout NP 330 HG



# Layout NPL 330 HG



## The series Serie DBS 5 IQ

### Facts & figures in a nut shell





		 DBS 525 IQ	 *	 *
Cutting length		3,300 mm	3,800 mm	4,400 mm
Cutting width		3,300 mm	3,800 mm	4,400 mm
Saw blade projection (above workpiece support)		90 mm		
Main saw	Saw blade	400 x 60 mm		
	Speed	4,800 RPM		
	Motor	15 kW (for main and scoring saw blade)		
Scoring saw	Saw blade	180 x 30 mm		
	Speed	6,950 RPM		
Saw carriage	Motor	1.5 kW (AC servo motor) electronically controlled • steplessly adjustable		
	Feed rate	8-50 m/min		
	Backward speed	120 m/min		
Angle pressing device		NC controlled • up to 120 mm		
Air cushion table		1 x 2,250 x 620 mm 2 x 1,690 x 620 mm	1 x 2,250 x 620 mm 3 x 1,690 x 620 mm	
Working height		960 mm		
Power supply		400 V, 50 Hz		
Total connected load		21 kW		
Terminal at eye level		15" TFT display • tiltable		
Set-up dimensions		5,830 x 6,630 x 1,810 mm	6,330 x 7,230 x 1,810 mm	6,960 x 7,970 x 1,810 mm
Weight		6,200 kg	7,500 kg	8,200 kg

\*Note: Picture shows DBS 525 IQ with three air tables, whereas the machine is equipped with four tables

All machines shown are CE compliant. The equipment of the machine may vary from country to country. We reserve the right to make technical changes. Wood IQ GmbH · 05/2019

## The series NP 3 HG • NPL 3 HG

### Facts & figures in a nut shell

		 NP 330 HG	 NP 380 HG	 NPL 330 HG	 NPL 380 HG
Cutting length		3,300 mm	3,800 mm	3,300 mm	3,800 mm
Cutting width		3,300 mm	3,800 mm	3,300 mm	3,800 mm
Lift table width		-		2,500 mm	
Max. stacking height without pit		-		1,200 mm	
Max. stacking weight		-		5,000 kg	
Saw blade projection (above workpiece support)		130 mm			
Main saw	Saw blade	450 x 60 mm			
	Speed	3,910 RPM			
	Motor	18 kW			
Scoring saw	Saw blade	180 x 45 mm			
	Speed	4,150 RPM			
Saw carriage	Motor	2.2 kW			
	Motor	1.5 kW (AC servo motor) electronically controlled • steplessly adjustable			
Saw carriage	Feed rate	8-50 m/min			
	Backward speed	120 m/min			
Angle pressing device		NC controlled • up to 120 mm			
Air cushion table		1 x 1,900 x 620 mm 2 x 1,690 x 620 mm	4 x 1,900 x 620 mm	1 x 1,900 x 620 mm 2 x 1,690 x 620 mm	4 x 1,900 x 620 mm
Working height		960 mm			
Power supply		400 V, 50 Hz			
Total connected load		27.6 kW		40 kW	
Terminal at eye level		15" TFT display • tiltable			
Set-up dimensions		6,935 x 6,170 x 2,020	7,435 x 6,670 x 2,020	9,200 x 9,085 x 2,020	9,585 x 9,200 x 2,020
Weight		6,000 kg	6,900 kg	10,500 kg	13,500 kg



# LOHMEYER

SMART·WOOD·WORKING

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