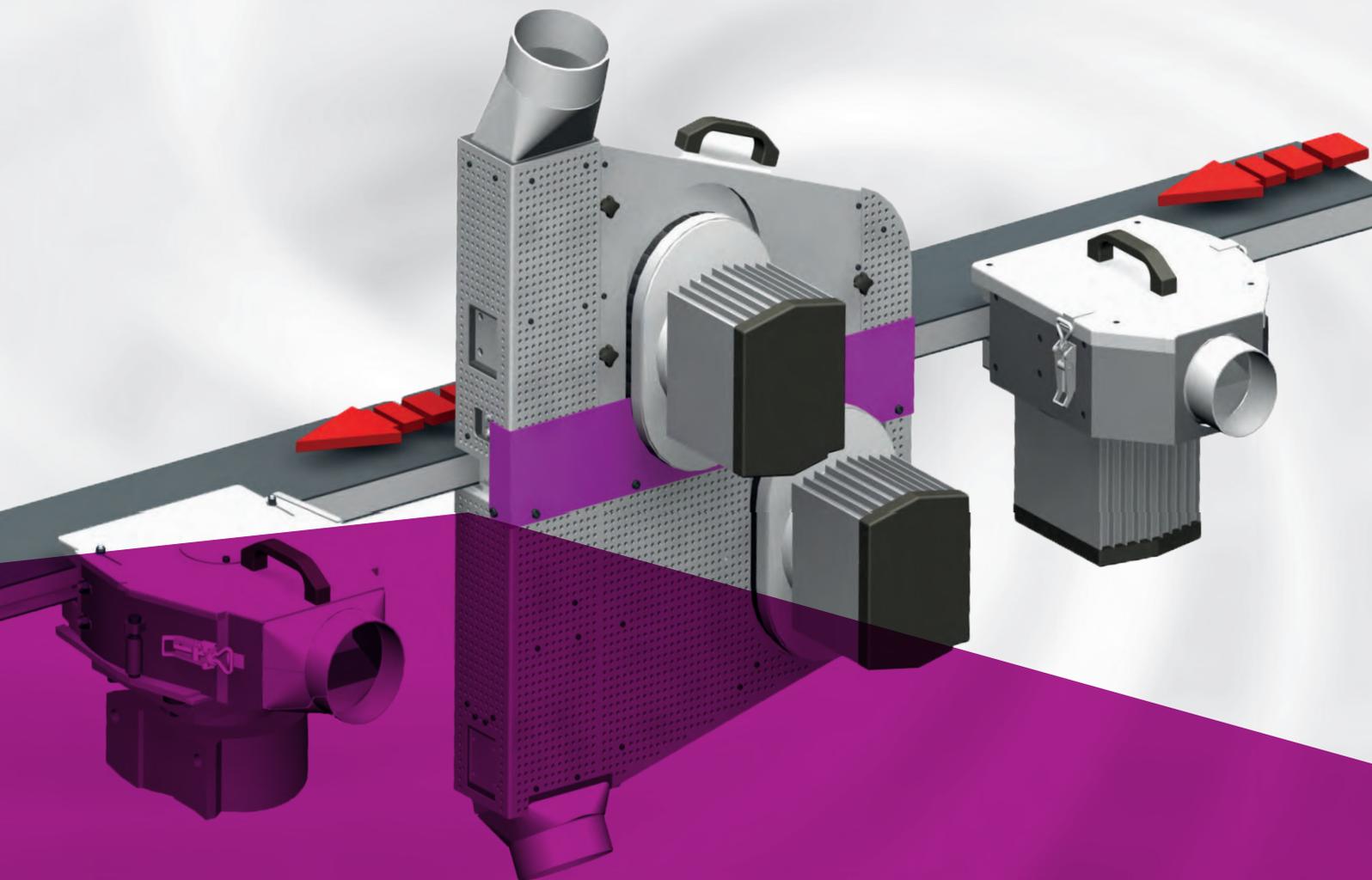


**DUST HOODS**  
for the furniture  
production



Optimum chip caption,  
reduced noise emission and  
energy consumption!

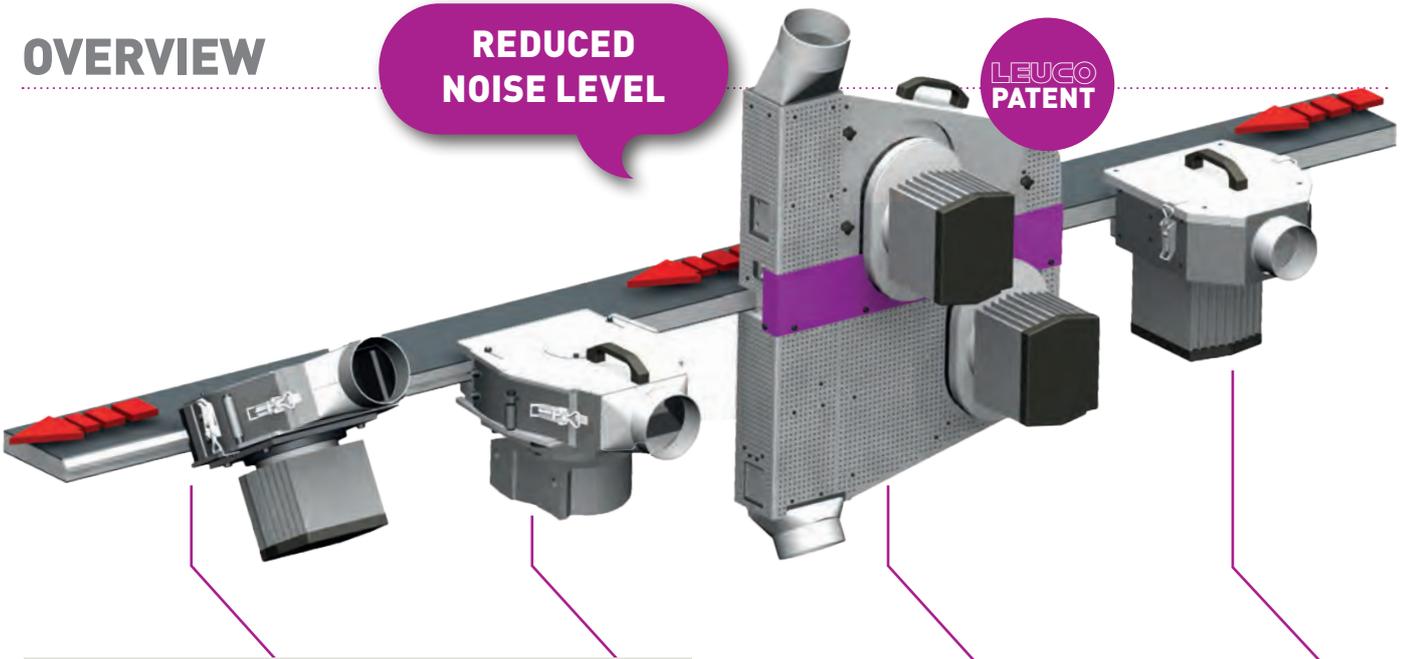
# → DUST HOODS

Dust hoods make a significant contribution to the industrial wood processing. Their function contributes significantly to a better workpiece quality, increased economic efficiency in the process and more safety in the machine environment. Under ideal circumstances, tool and dust hood form a perfectly coordinated unit.

## OVERVIEW

**REDUCED NOISE LEVEL**

**LEUCO PATENT**



### EXAMPLES OF LEUCO STANDARD HOODS

→ **CHAMFERING**  
 | Tool and hood in position 45°

→ **GROOVING / PROFILING**  
 | Tool and hood in position 0°

→ **DOUBLE HOGGING**  
 | adjustable analog workpiece thicknesses

→ **JOINTING / JUMP-MILLING**  
 | Tool and hood in position 0°

## OPTIMIZE YOUR PRODUCTION

LEUCO dust hoods can be retrofitted in many already existing machine lines.

### ECONOMIC EFFICIENCY

- | Increased tool service life
- | Less dust in the machine environment
- | Optimized workpiece quality
- | Reduced energy consumption
- | Increased machine availability
- | High duration of use thanks to the replacement of wear parts

### HANDLING

- | Best accessibility for tool change
- | quick replacement of wear parts
- | reduced cleaning effort
- | noise-reduced variant for up to -3 dB(A)

### LOWER EMISSIONS

- | by optimized chip flow: reduction of the extraction output which results in the reduction of the energy consumption,
- | noise reduction up to -3 dB(A) thanks to a noise-reduced version

### INCREASED SAFETY

- | Risk of fire is avoided
- | risk of injury during tool change is reduced due to a clean machine environment

# → YOUR BENEFITS WITH LEUCO

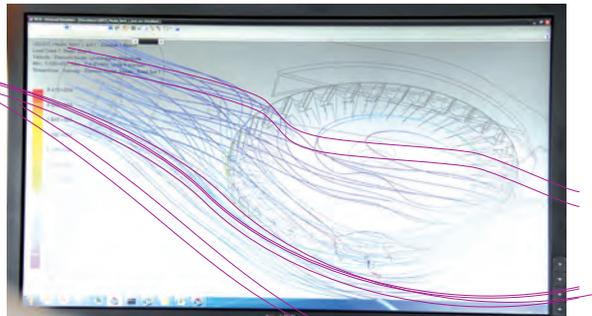
## INDUSTRY SEGMENTS

LEUCO offers dust hoods that are perfectly adapted to tool, workpiece and machines for many industry segments and applications. Thus, the productivity can be increased with a focus on the economic efficiency in the whole production process!

- | Particle boards
- | compact boards
- | fiber cement boards
- | OSB
- | solid wood
- | laminate
- | parquet
- | veneer

## GOOD PLANNING IS ESSENTIAL

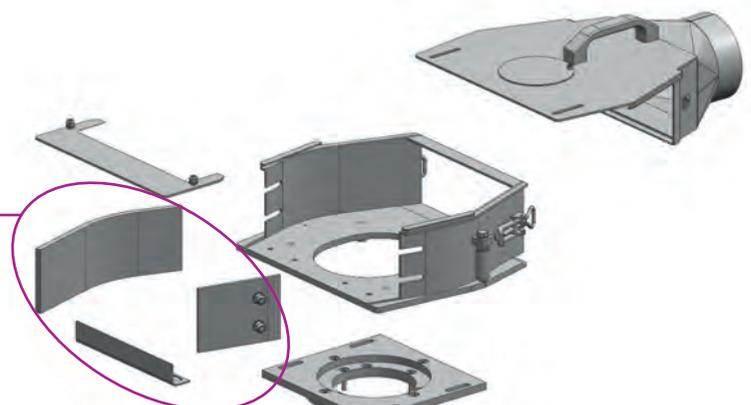
By simulating the stream of chips, an ideal coordination between tool, application and hood is guaranteed already in the planning phase of LEUCO dust hoods. This results in an increased tool life, a reduced effort for maintenance and setup and low energy consumption which also means an increased economic efficiency!



### LONG-LASTING AND FLEXIBLE

The modular system of LEUCO allows the quick replacement of wear parts so that the machine downtime is reduced to a minimum.

**In detail: wear parts can be replaced quickly**



# → DOUBLE HOGGER HOOD

## ADAPTS TO THE MATERIAL AND REDUCES THE NOISE LEVEL

**The new extractor hood for double hogging adjusts automatically to the panel thickness. Efficiency increases and the equipment operates more cleanly and quietly. In addition, optimized extraction increases manufacturing quality.**

The new hood from LEUCO is intended for use on double end tenoners as well as on large edge banding machines with a double hogger. On such industrial machines, it increases the efficiency of chip capture to a new level. The main reason for this is anchoring of the top hood half to the upper pressure beam, since this varies with a change in workpiece thickness. In this way, the hood always adjusts to the right height in relation to the panel thickness. The result is a constant, narrow gap - ideally about 2 mm between the hood and workpiece - and thus to very efficient extraction.

### **Extractor hood responds to change in panel thickness**

In contrast, common extractor hoods are set permanently to the greatest panel thickness. As a result, the gap width varies between a few millimeters and several centimeters. This variation has consequences, since the extraction output drops due to the usually unnecessarily wide gap, which causes the tool system to become dirty. This makes regular cleaning necessary. Thanks to the consistently narrow gap and resulting maximum efficiency of the double hogger hood from LEUCO, the equipment remains much cleaner and needs cleaning less frequently. The two-piece design of the extractor also contributes to reduced chip discharge from this hood: Both the upper and lower housing halves have their own suction connection. They are placed so that the stream of

chips generated by the hoggers is directed exactly into the suction openings. As a result, most of the chips are conveyed directly into the extraction system, interfering air flows and deposits in the hood housing are minimized. This reduces double hogging considerably - resulting in higher surface quality and longer tool lives.

### **Hood housing absorbs operating noise**

Because of the tight fit around the processing area, the operating noise of the machine is less pronounced. The sandwich construction of the housing also helps: It consists of two sheet-metal shells with insulating material. This reduces the noise level better than the usual single sheet-metal shell. Combined, these improvements provide a damping factor of 2 to 3 dB, a noise reduction that can be heard clearly.

**As a further benefit, the hood contributes to energy savings.** Thanks to the narrower gap in the double hogger hood, the hood and hogger form an almost fully enclosed system. This increases efficiency and the hood can contribute to optimization of the energy needs of the extraction system.

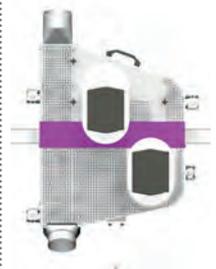
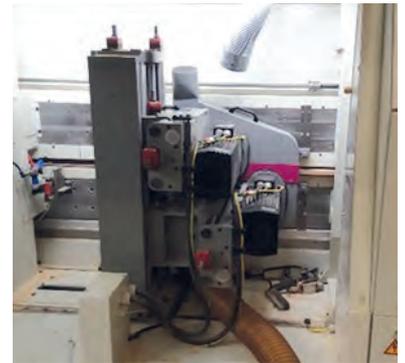
The hoods adapts itself to the material thickness.



Anchoring of the two-piece hood to the upper pressure beam allows the ideal gap to be set automatically for each panel thickness. The sandwich construction with sound-absorbing material reduces noise by 2 to 3 dB.

# → LEUCO STANDARD PORTFOLIO

## DUST HOOD - FURNITURE MANUFACTURING\*\*\*



<b>DESIGNATION</b>	Dust hood furniture			Double hogging dust hood furniture	
<b>INDUSTRY</b>	Industrial furniture manufacturing in through-feed processing			Industrial furniture manufacturing in through-feed processing	
<b>„FOR THE APPLICATION“</b>	Jointing, chamfering, grooving, profiling			Double hogging	Double hogging with focus on noise reduction
<b>FOR TOOL DIAMETER</b>	180 - 200	210 - 230	240 - 260	220 - 250	
<b>DESIGN</b>	Sliding hood			Double hogger hood two part version	Double hogger hood reduced noise level
<b>OFFER ID**</b>	187256	187257	187258	187259	187260

\* when the order is processed, the application is exactly specified and the hood is designed to the customer-specific requirements.

\*\* during order processing, special numbers are assigned since the hood is designed according to customer-specific requirements. Then a difference can be made between the left and the right version.

\*\*\* in addition to the described standard range, we can also offer hoods for special applications. If you are interested, please contact our sales department.

# → REQUIREMENTS FOR INDIVIDUAL CONFIGURATION

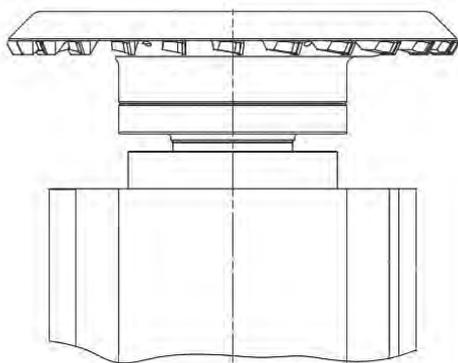
## → OPTIMIZE YOUR PRODUCTION

For the configuration of a dust hood with regard to size and application, the following must be taken into account:

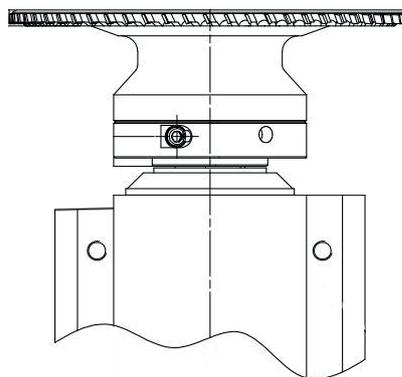
### → TOOL-DEPENDENT DATA

- | Tool diameter e.g. 180, 220, 250 mm, ...
- | Machining height (panel thickness)
- | Fastening method on the motor e.g. hydro bushing, hydro s-System, ...
- | Sense of rotation (against feed, with feed)

These examples are only a selection of the various tool types.

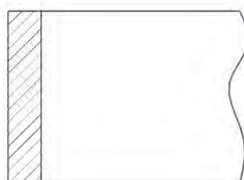


Tool with HSK63 holder

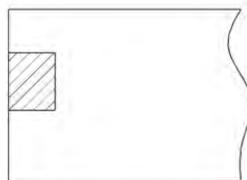


Tool with hydro bushing

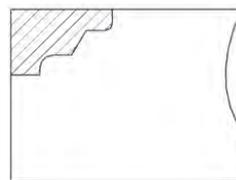
### → PROCESSING METHODS



Hogging/jointing



Grooving



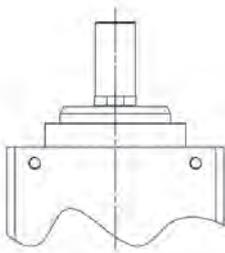
Profiling



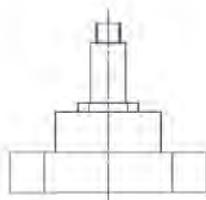
Chamfering

## → DRIVES/ MOTORS

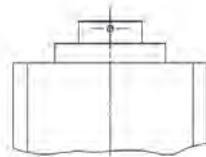
- | Manufacturer e.g. Perske, Flender, ...
- | Series / power e.g. 70, 80, ... / 11KW, 18KW, ...
- | Drive shaft version



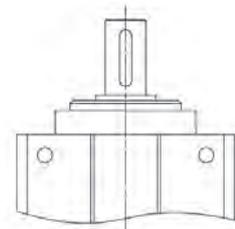
**Perske motor  
Homag variant  
6-11KW  
Bottom, locking  
Hydraulic fixture**



**Flender motor  
6KW  
Cylindrical fixture  $\varnothing 35$   
Bottom, locking  
Clamping via hexagon  
nut**



**Perske motor  
Homag variant  
6-11KW  
HSK fixture**



**Perske motor  
12-15KW  
Double keyway  
Clamping via clamping  
screw**

## → MACHINES / SYSTEMS

- | Manufacturer e.g. Homag, IMA, ...
- | Type e.g. flooring plant, through-feed machine - single-sided, ...



**A highly precise measurement  
of the production line ...**



**...is the basis for custom-fit and  
efficient dust hoods ...**



**... via 3D scan technology.**

## MAGENTIFY WOOD PROCESSING

Our tools and services make production processes more efficient and improve the quality of the results.

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