

Vertical CNC Processing Centers BHX 200 series

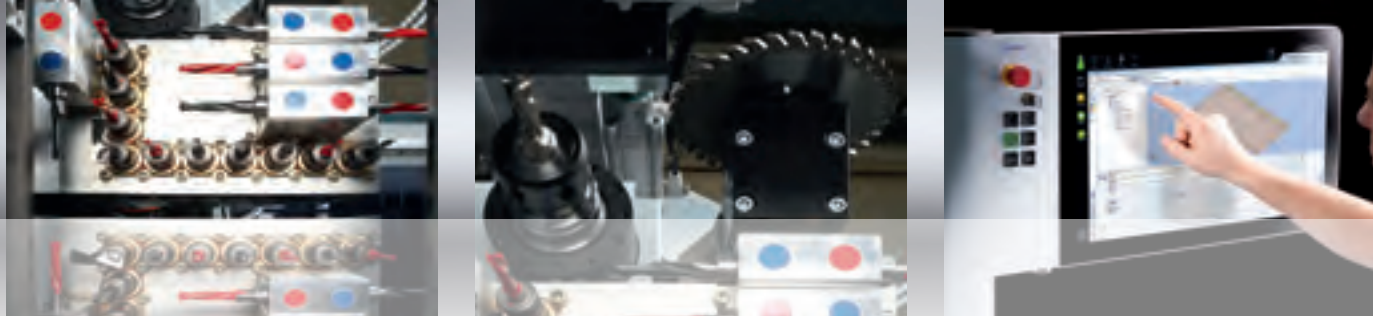


BHX 200 / 200/D – compact, smart, vertical

The flexible power pack on less than 10 m²:

- Space-saving due to vertical construction
- No setting times due to clamping system
- Faster drilling by split-head-technology
- Resource-saving by no-vacuum clamping technology





Experience

New dynamics for carcass processing



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BHX 200 – Feel the Innovation...

With the BHX 200 series the next generation of compact, vertical CNC-technology on less than 10 m² is ready. Strongly equipped with two individually moveable high-speed drilling heads and CNC-controlled clamping devices the BHX 200 provides a great deal of power. And for dowel processing we have developed the BHX 200/D.

Basic configuration:

- 1 routing motor with 9 kW
- 34 individually activated drilling spindles (20 vertical / 14 horizontal)
- 1 tiltable grooving saw Ø 125 mm
- 4-fold tool changer

BHX 200 / 200/D

Character

powerTouch...

Never before has a processing center been that easy to operate - by the innovative control central powerTouch you operate the most important functions simply with a touch.

CNC-controlled clamping system...

No-vacuum fixing and precise positioning of workpieces. Thus you do not require any vacuum power and setting times are not required at all.

Flexible capacity...

The processing height goes from 50 mm to 1250 mm

High-speed drilling spindles...

34 individually selectable high-speed drilling spindles in split-head-technology ensure considerably faster drilling.

Powerful routing spindle with changer...

With the efficient 9 kW HSK routing spindle, the 4-fold tool changer as well as the tiltable grooving saw the standard machine is already perfectly equipped.

Compact power pack...

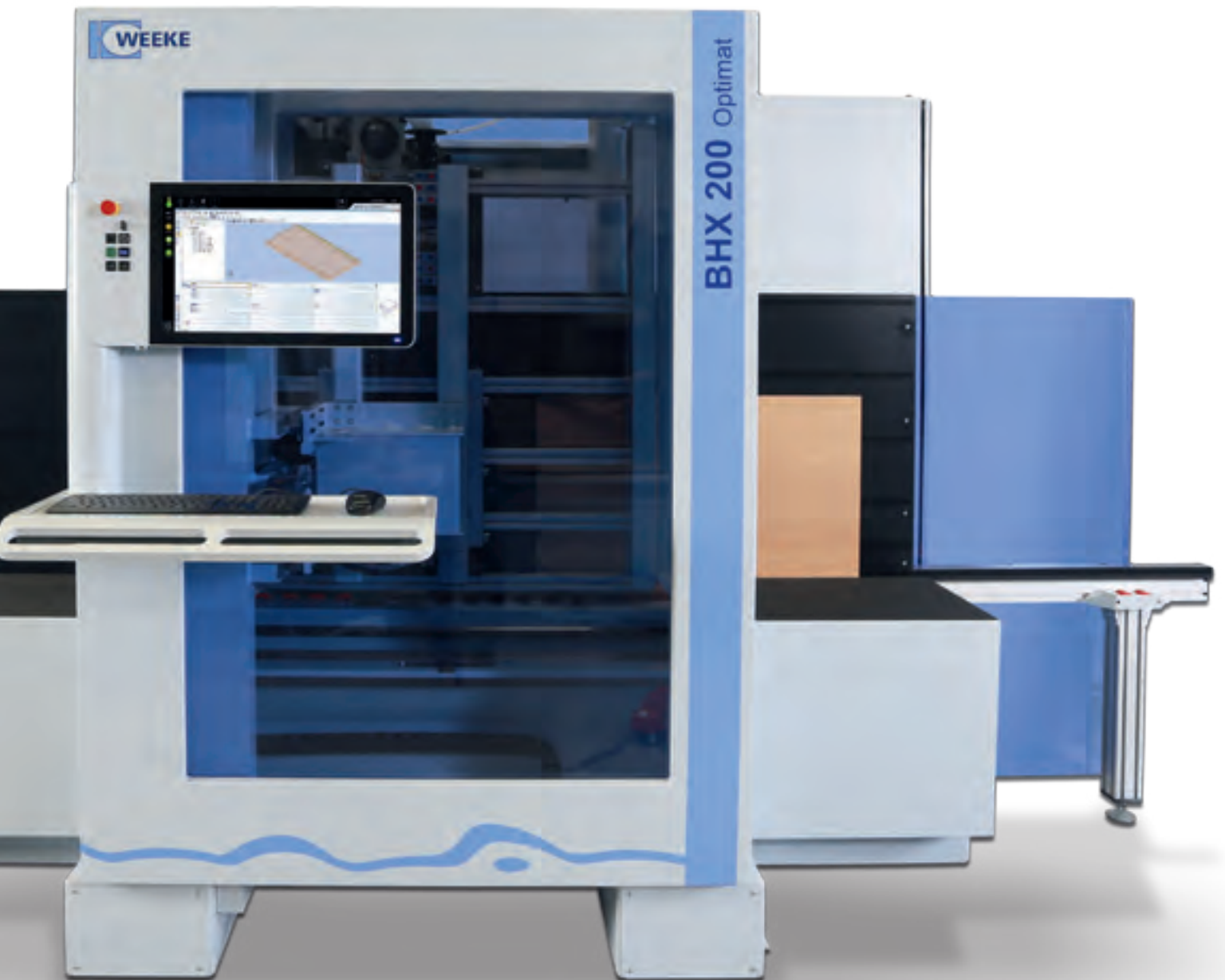
Less than 10 m² installation space are required





Spindles

34





powerControl with powerTouch

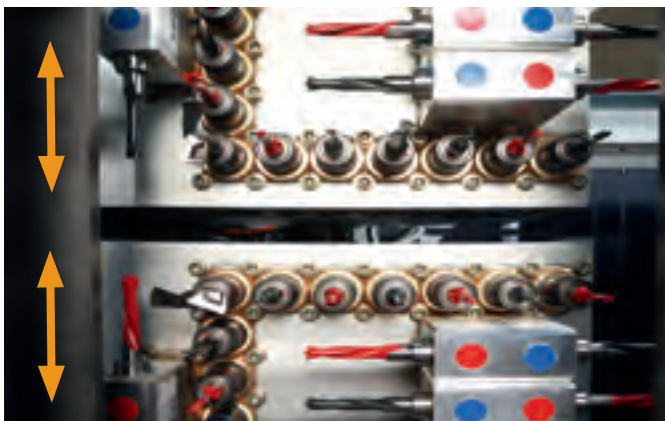
- 21,5" Full-HD multitouch display with wide screen 16:9
- Front USB interface
- Ethernet connection 10/100 Mbit

All inclusive | Hardware

With the BHX 200 models you get a TOP equipment right from the beginning. The standard machine already includes elementary technologies ensuring a sustainable processing quality on highest level.

High-Speed 7500 Split-Head

- Two individually moveable drilling heads activate a total of 34 high-speed drilling spindles (20 vertical and 14 horizontal), e.g. for faster processing of rows of holes.

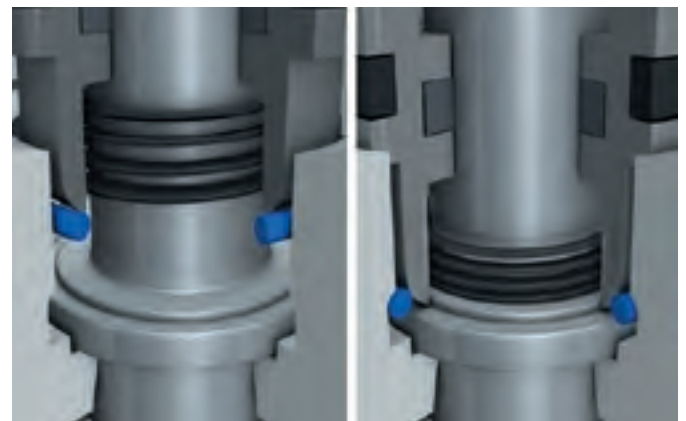


Drill quick-change system

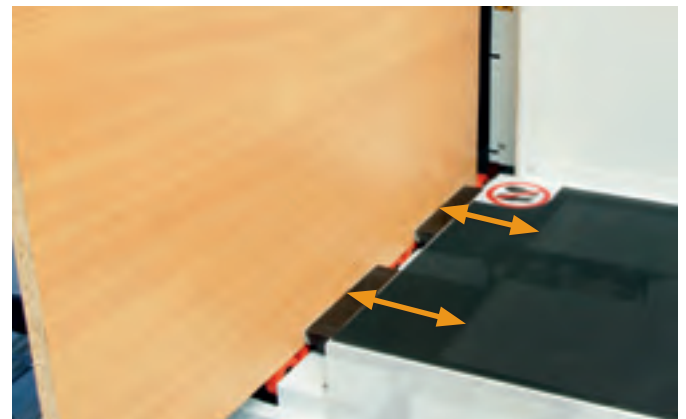
- The patented system ensures easy installation or change of drilling heads.

Automatic spindle clamping system

- Patented system for exact drilling depth at any time with different materials



Pictures may also show options



Workpiece clamping device

- Adjustment of the clamping system (motorized) to workpiece thickness (clamping device stroke 5 mm)

BHX 200/D



»D« like dowelling

- With the BHX 200/D you can also insert dowels leading to considerably more flexibility.



Workpiece load- and workpiece removal area

- Mechanical support via roller conveyor in the loading- and removal area of the machine.



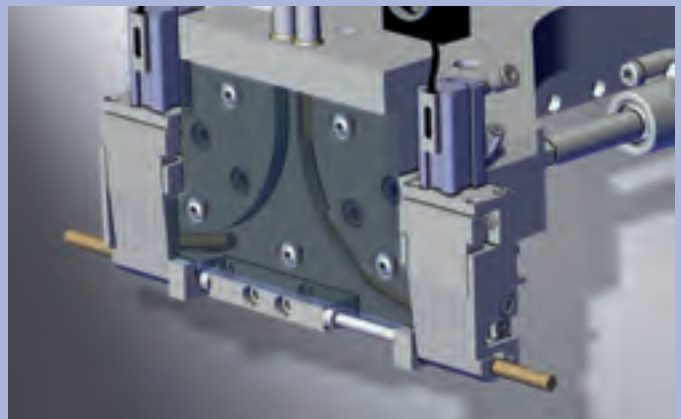
Dowel driving unit

- Horizontal dowel insertion - only with the BHX 200/D
- Enables the construction of individual workpieces to finished objects



Processing height

- Working height from 50 mm (A) to 1250 mm (B)





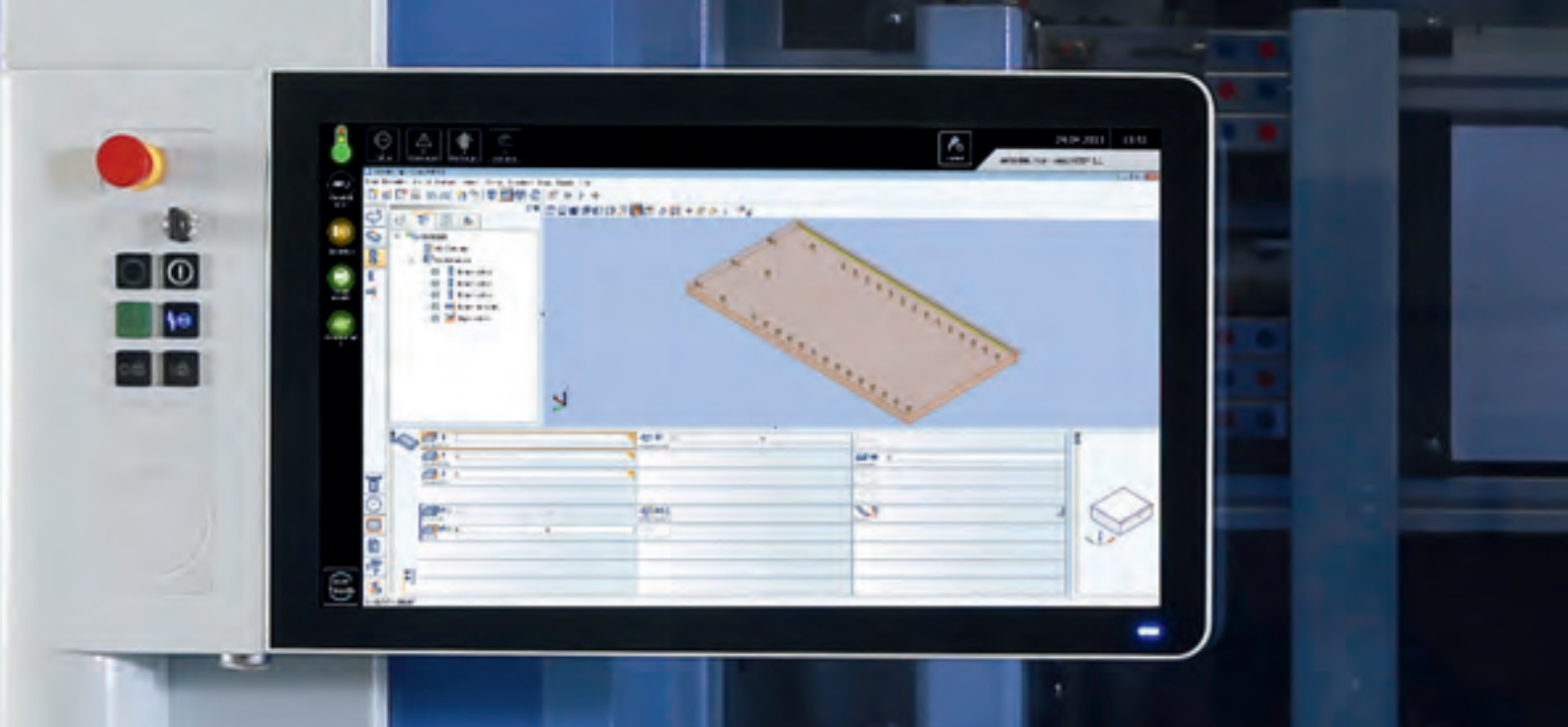
evolutionary

All inclusive | powerTouch

powerTouch implements the HOMAG Group's new operating philosophy: Simple, standardized, ergonomic and evolutionary. The innovative touchscreen operating concept unites design and function to create a totally new control generation.



ergonomic



simple

At the focus of this solution is a large multi-touch monitor in widescreen format, which is used to control machine functions by direct touch contact. The entire user interface has been optimized for touch operation and offers an array of help and assistance functions designed to radically simplify the work experience. Standardized control elements and software modules ensure that all HOMAG Group machines can be operated in

the same way using powerTouch. They differ only in terms of a few machine-specific details.

This does not only simplify the operation of different machines, but also makes for greater efficiency by significantly reduced time for servicing and training.

uniform



All inclusive | Software

With this software package you are »Ready to Race«. With more than 30.000 installations of the software woodWOP you get one of the most established CNC-programming systems worldwide.

With woodAssembler and woodVisio professional 3D-visualization is provided.

Virtual assembly and three-dimensional presentation of components are possible.

Please use our website:

Worldwide largest forum for woodWOP:

www.woodWOP-Forum.de

Free download of woodWOP components:

www.weeke.com → Products → Software

woodWOP

- Modern software based on Windows®
- More than 30,000 installations worldwide



Machine Data Recording Basic

- Machine Data Recording – collecting and evaluating machine states via time meter and event meter



MCC

- Simple control of main machine functions through soft keys
- Graphical configuration



3D CNC simulator

- Simulates the processing according to the order set in the NC program
- Allows time calculation

woodAssembler

- To visualize woodWOP-programs (MPR) in 3D
- Enables the construction of individual workpieces to finished objects



woodVisio

- Objects generated in woodAssembler or Blum Dynalog can be provided with surface materials
- The objects are displayed in a free-standing position

Options | Software



Length depending processing in X-direction – automatic adjustment of drills depending on dimensions

- After the workpiece has been released for processing at the limit stop position, a test run in X-direction is carried out (value 1). Determination of exact workpiece length (value 2). The calculation of the values 1 and 2 results in the exact workpiece length.
- Available in the following products:
BHX 050 | BHX 055 | BHX 200er

Plausibility check

- Control of the workpiece by sensor technology in X- and Y-direction. Depending on the workpiece dimensions the shortest distance to the next sensor is selected.
- Available in the following products: BHX 050 | BHX 055 | BHX 200er



woodWOP DXF Basic

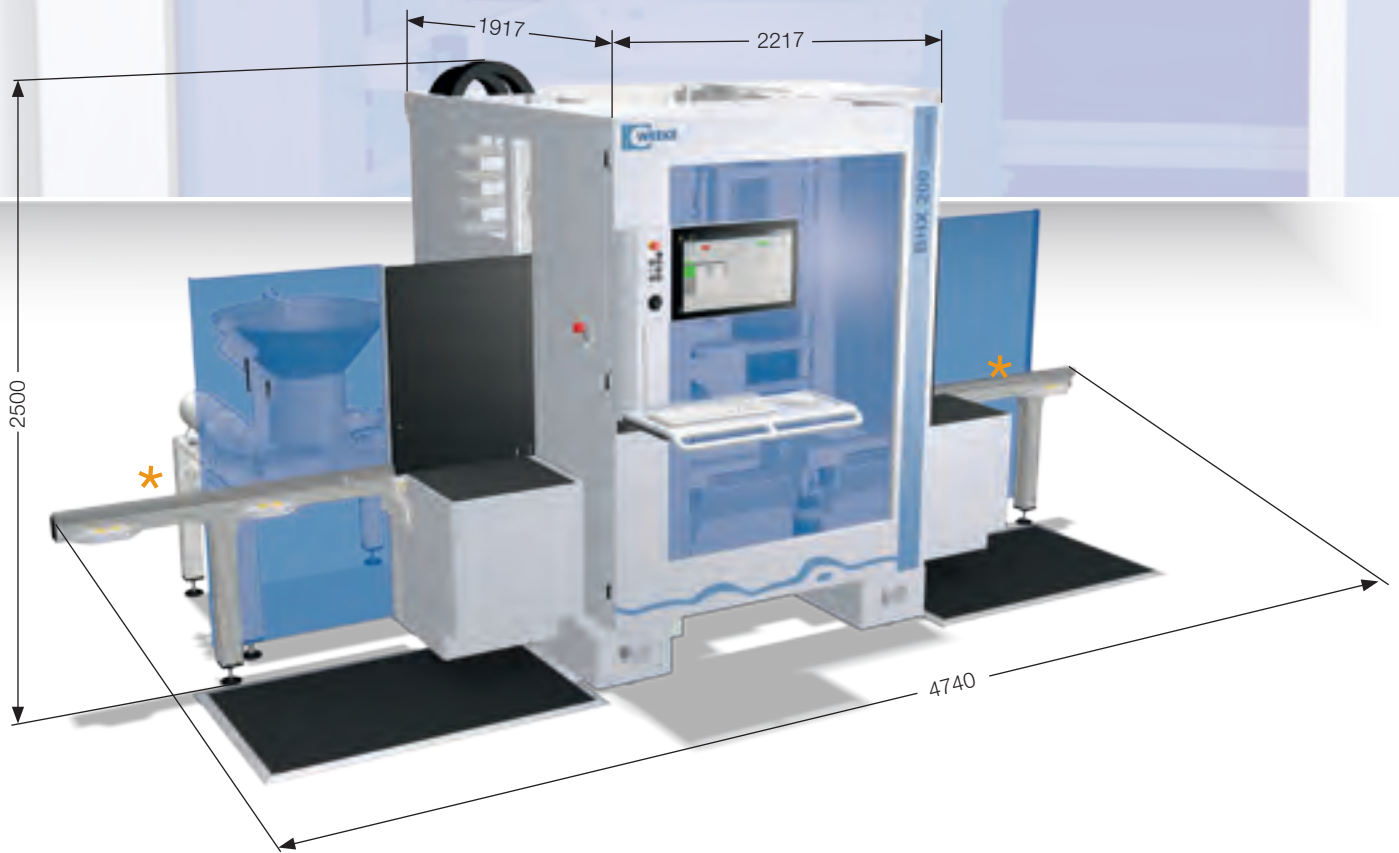
- Interface for CAD-Data Import
- Basis to generate woodWOP programs



Barcode connection

- Barcode scanner / software
- Supported barcodes:
 - 1D – Barcode
 - 2D – Data Matrix Code
- Every workpiece is exactly identified for the further workpiece flow

Always well positioned...



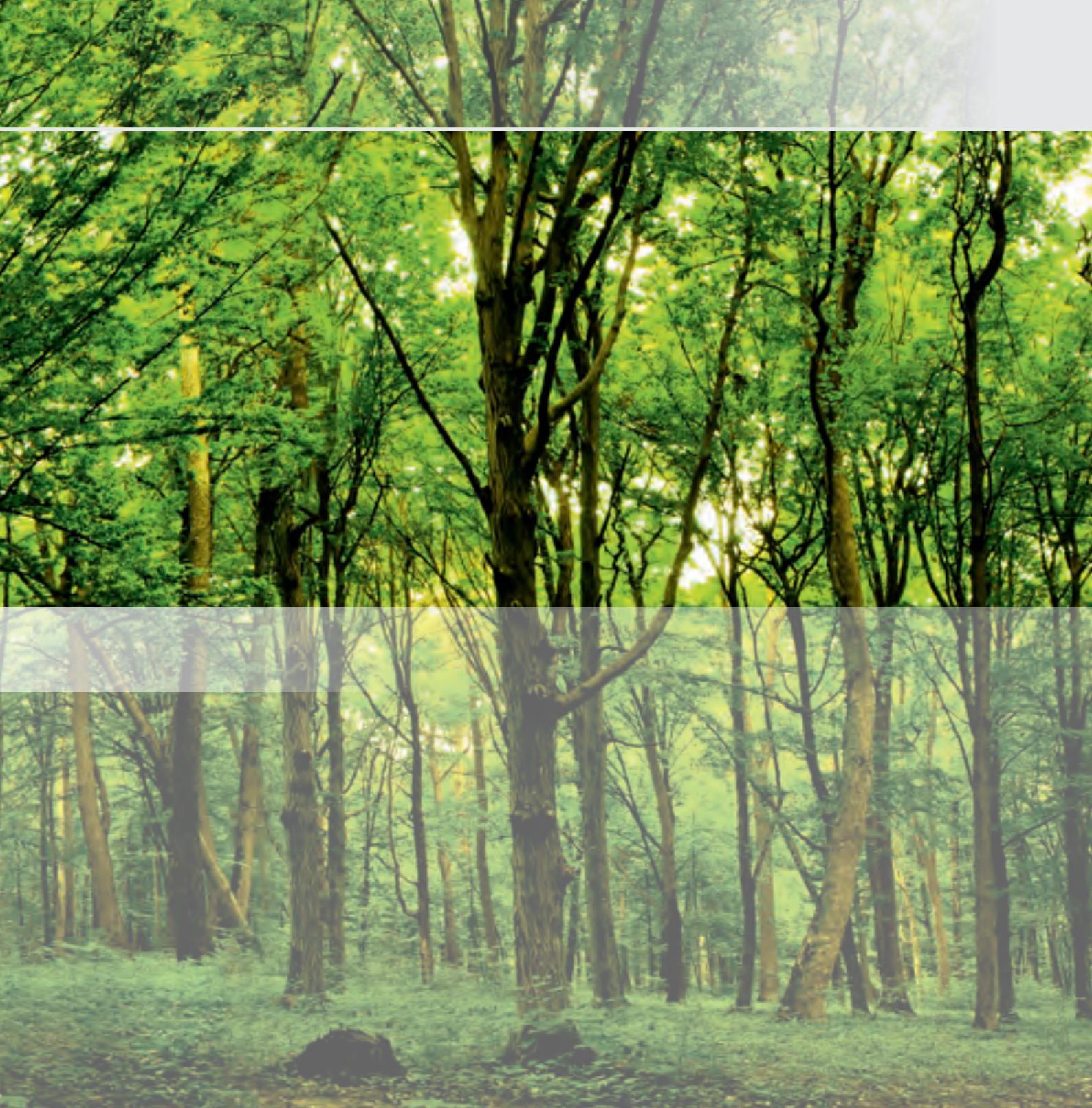
* A corresponding safety distance must be maintained in the in- and outfeed direction! (See documentation)

Dimensions in mm

Technical data		BHX 200	BHX 200/D
Workpiece dimensions max. L x W x T	mm	3050 x 1250 x 80	3050 x 1250 x 80
Workpiece dimensions min. L x W x T	mm	200 x 50 x 8	200 x 50 x 8
Vector speed	m/min	(X - Y) 50 - (Z) 15	(X - Y) 50 - (Z) 15
Compressed air	bar	6	6
Compressed air connection	inch	R 1/2	2 x R 1/2
Dust extraction plug	mm	2 x Ø 160	2 x Ø 160
Dust extraction volume	m ³ /h	min. 4350	min. 4350
Total machine weight	kg	appr. 3.200	appr. 3.500
Electrical connected load	kW	21,0	21,0



Saving **resources**
Saving money



BHX 200 with ecoPlus

- Low energy consumption (on average less than 10 kW) by efficient drive technology
- Workpiece clamping without vacuum as well as low compressed air consumption
- Efficient extraction – overall extraction output max. 4350 m³/h
- No setting times by clamping system

Savings of time, material, energy and installation space ensure:

- Potentials to apply for subsidies
- Potentials for alternative investments
- Potentials to increase your profitability
- Potentials for own marketing communication regarding environmentally friendly partnership





**Choose the Original
Choose Success!**

For the Success of Original Technology
A campaign of the VDMA

Subject to technical modifications, misprints and errors.
Photos may show non-standard features.

BHX 200 Optimat 05/2013 EN



You may contact us - WORLDWIDE

- Teleservice possibility via basic internet connection (TSN possibility)
- Competent spare parts service
- WEEKE Communication: Up-to-date information at all times:
www.weeke.com
- Any questions, new ideas, criticism & praise to: **info@weeke.de**

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