

Vertical CNC Processing Centers BHX 200 series



2015/2016

BHX 200 Series – 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 due to powerful drilling equipment
- Resource-saving due to 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. Two powerfully equipped configurations are available to you.

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 saving **100%** vacuum power. And no setting times at all.

Flexible capacity...

The processing height goes from 50 mm to 1250 mm.

High-Speed drilling...

Up to 36 individually selectable high-speed drilling spindles, e. g. 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...

Machine footprint of less than 10 m²!

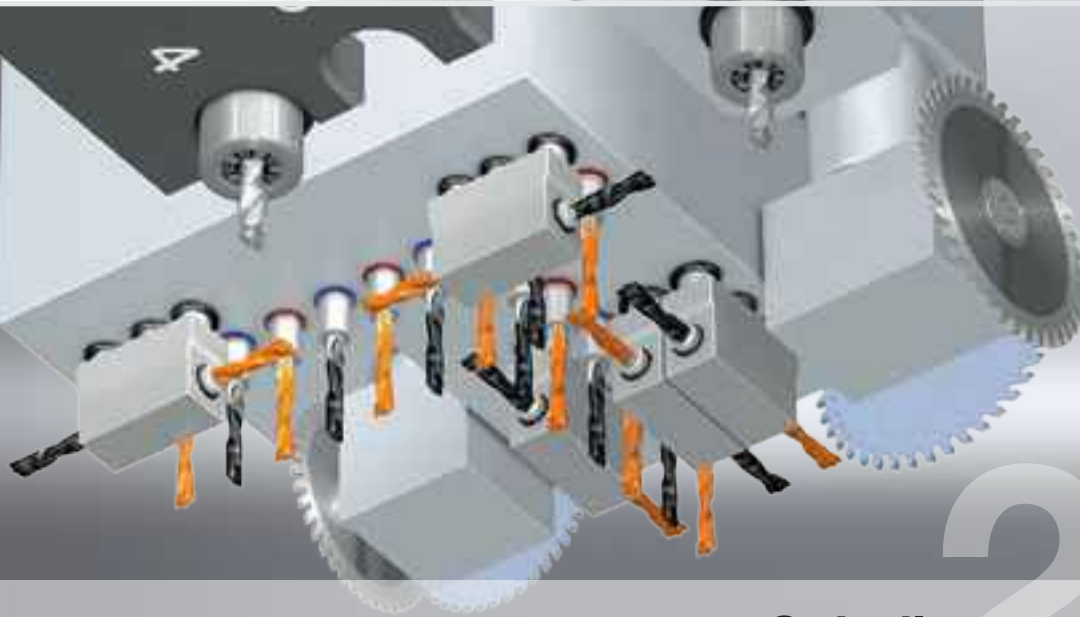




BHX 200



BHX 200 Equipment Configurations



Spindles

25-Spindle Configuration:

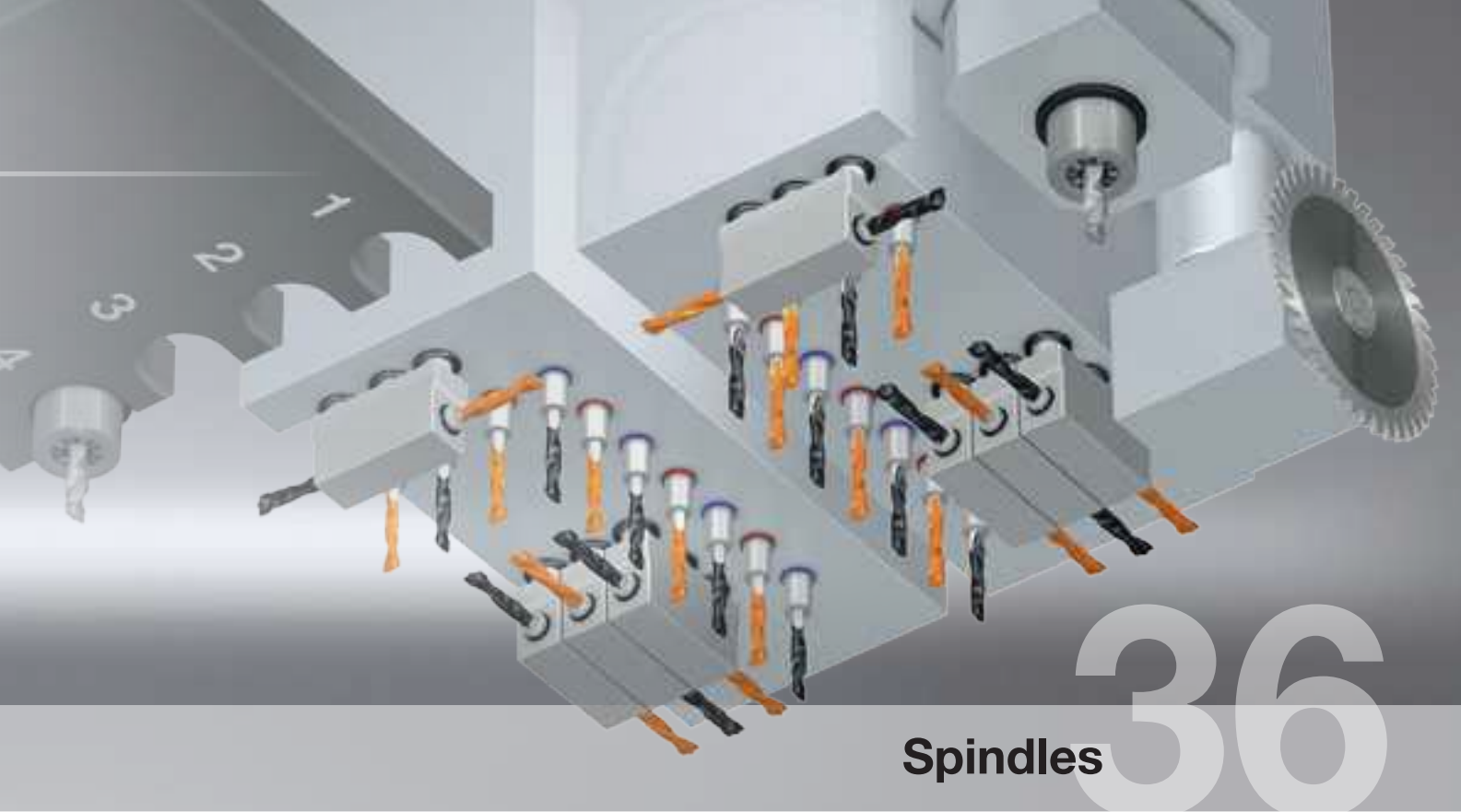


- 1 routing motor with 9 kW
- 25 individually activated drilling spindles (15 vertical / 10 horizontal spindles)
- 1 swivelling grooving saw \varnothing 125 mm
- 4-fold tool changer

Optional:

- 1 disk router 0-90° (e.g. d=100.4 mm for ClamexP)
or/and
- additional 3-spindle drill head (e. g. hinge hole processing)





36-Spindle Configuration:

- 1 routing motor with 9 kW
- 36 individually activated drilling spindles (20 vertical / 2 x 8 horizontal)
- 1 swivelling grooving saw \varnothing 125 mm
- 4-fold tool changer

Especially in the case of complex drilling patterns the Split-Head configuration provides significant time savings.



BHX 200/D

Choose »D« if dowel insertion is required

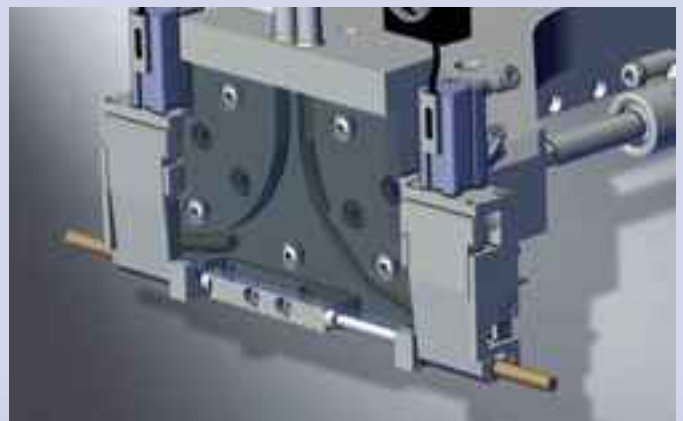
The »D« type is combined with either one of the two main configurations. It supplements the standard version by the function »Doweling«.

»D« like dowelling

- You can also insert dowels with the BHX 200/D, thus achieving greater flexibility of applications.

Dowel driving unit

- Horizontal dowel insertion by means of powerful aggregate technology.
- Exact insertion of dowels into defined positions



All inclusive | Hardware

The BHX 200 and BHX 200/D provide you with top-quality equipment right from the beginning. By including elementary technologies already in the standard, highest processing quality is ensured in the long term.

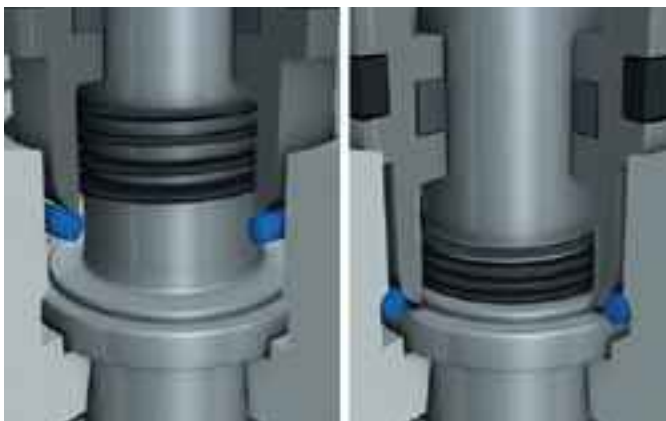


powerControl with powerTouch

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

Automatic spindle clamping

- Patented system for exact drilling depth at any time with different materials. Lasting assurance of drilling quality.

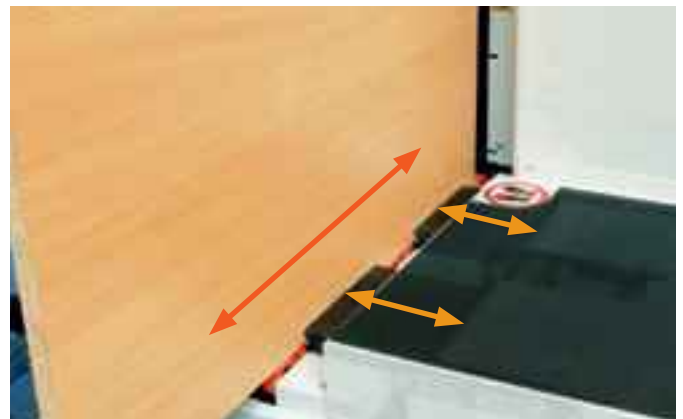


Drill quick-change system

- The patented system ensures easy installation or change of drilling bits. Your easy way to save time!

Flexible processing height

- Working height from 50 mm (A) to 1250 mm (B)
- Large working field, more flexibility



CNC-controlled clamping system

- **No-vacuum fixing** and precise positioning of workpieces. You save 100% vacuum power.

Pictures may also show options

All inclusive | Software

With this software package you are »Ready to Race«. You will receive one of the most established CNC-programming systems, the woodWOP software, which has proven itself by more than 30.000 installations worldwide.

Please use our website:

Worldwide largest forum for woodWOP:

www.woodWOP-Forum.de

Free Download of woodWOP-components:

www.weeke.com → Products → Software

woodWOP | License „Machine“

- Modern software based on Windows®
- More than 30.000 installations worldwide



MCC

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



Machine Data Recording Basic

- Machine Data Recording – collecting and evaluating machine states via time meter and event meter
- Keeping you always up-to-date

All inclusive | powerTouch

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



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 with the same way using powerTouch.

They differ only in terms of a few machine-specific details. This not only simplifies the operation of different machines, but also makes for greater efficiency by significantly reducing time for servicing and training.



evolutionary
ergonomic



easy
equal



Option | Office-Package

woodWOP | License „Process Planning Workplace“

- Modern software based on Windows®
- More than 30.000 installations worldwide



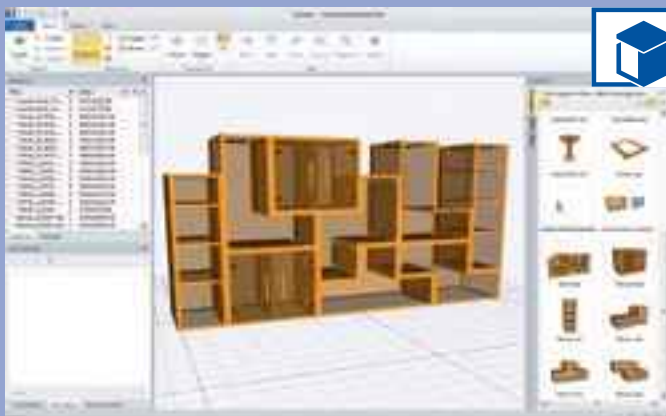
3D CNC Simulator

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



woodWOP DXF Basic

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



woodAssembler

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



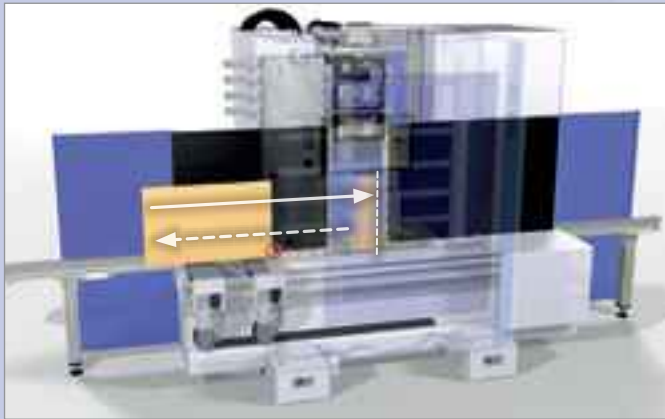
woodVisio

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

Further software options

You have the choice:

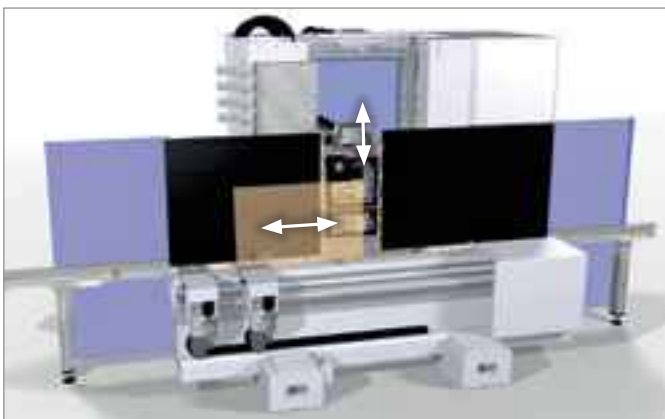
- ① Process acceleration
- ② Process safeguarding
- ③ Process automation



① Let the machine calculate for you! In doing so you accelerate processes and safeguard quality

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

- After the workpiece has been released for processing its length is measured accurately by a measuring run. Dimension-dependent drillings are then corrected **automatically** by possibly determined tolerances. You save time and gain quality.



② Plausibility check – Benefit from additional safeguarding of processes

- Control of the workpiece by sensor technology in X- and Y-direction. Comparison with the values in the database. If the defined tolerance value is exceeded, the current process stops. At the same time the operator receives a message to correct the workpiece. This way you remain on the safe side.



③ Automate your processes - Benefit from the optional barcode connection

- Barcode reading system inclusive:
 - Scanner
 - Software (also available separately)
- Supported barcodes:
 - 1D – Barcode
 - 2D – Data Matrix Code
- Every workpiece is exactly identified for the further workpiece flow
- Basis for a faster flow of workpieces with higher process quality

Option | Workpiece return system

Your benefits at a glance:

- Your processes become more efficient by up to **15%**
- Minimized waiting time
- **Compact handling concept**

Place requirement for minimum stage of extension (L 6400 mm x W 3900 mm)

Place requirement for maximum stage of extension (L 7200 mm x W 3900 mm)

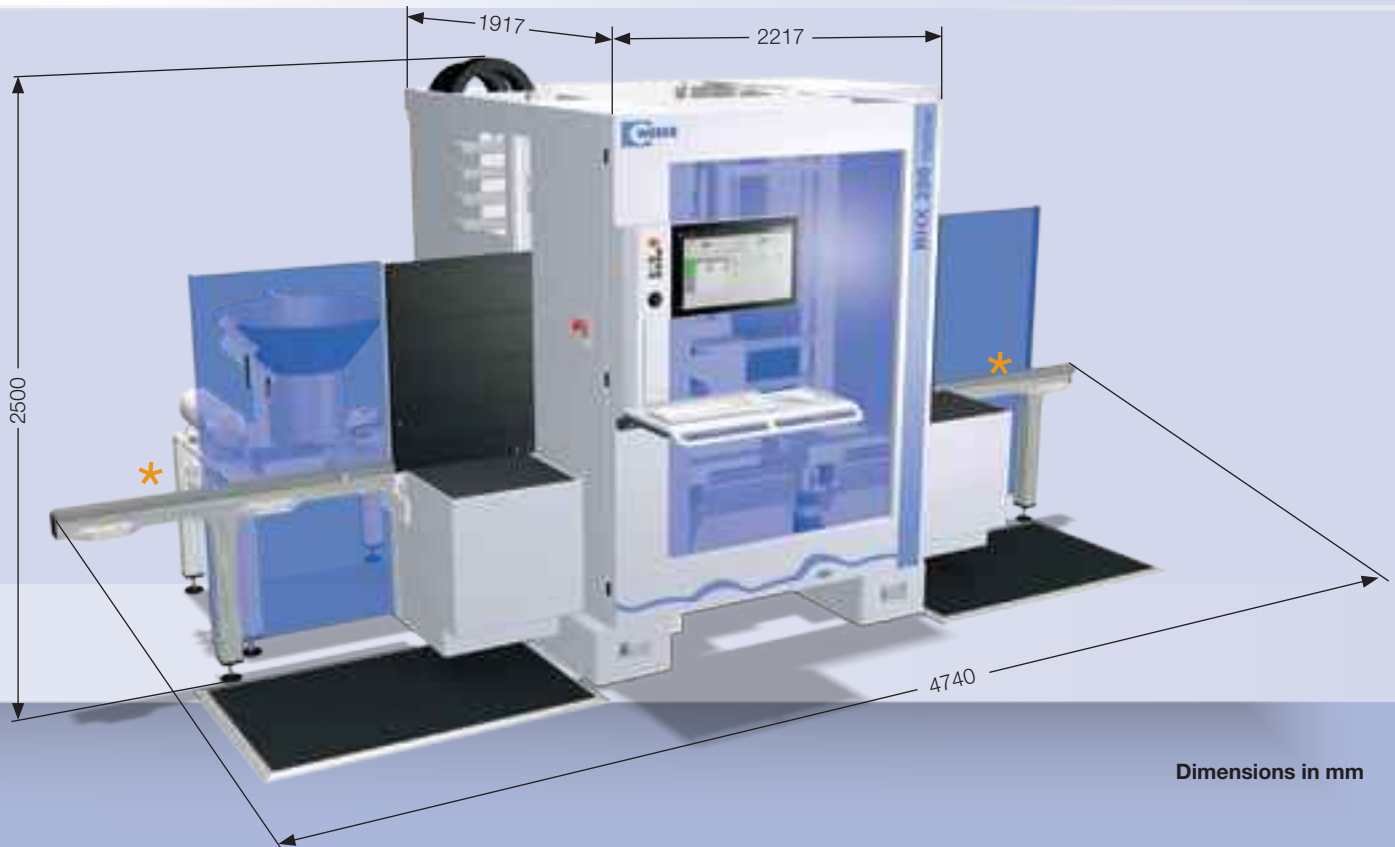
Dynamic



Experience

New dynamics for carcass processing

Always well positioned...



Dimensions in mm

Technical data

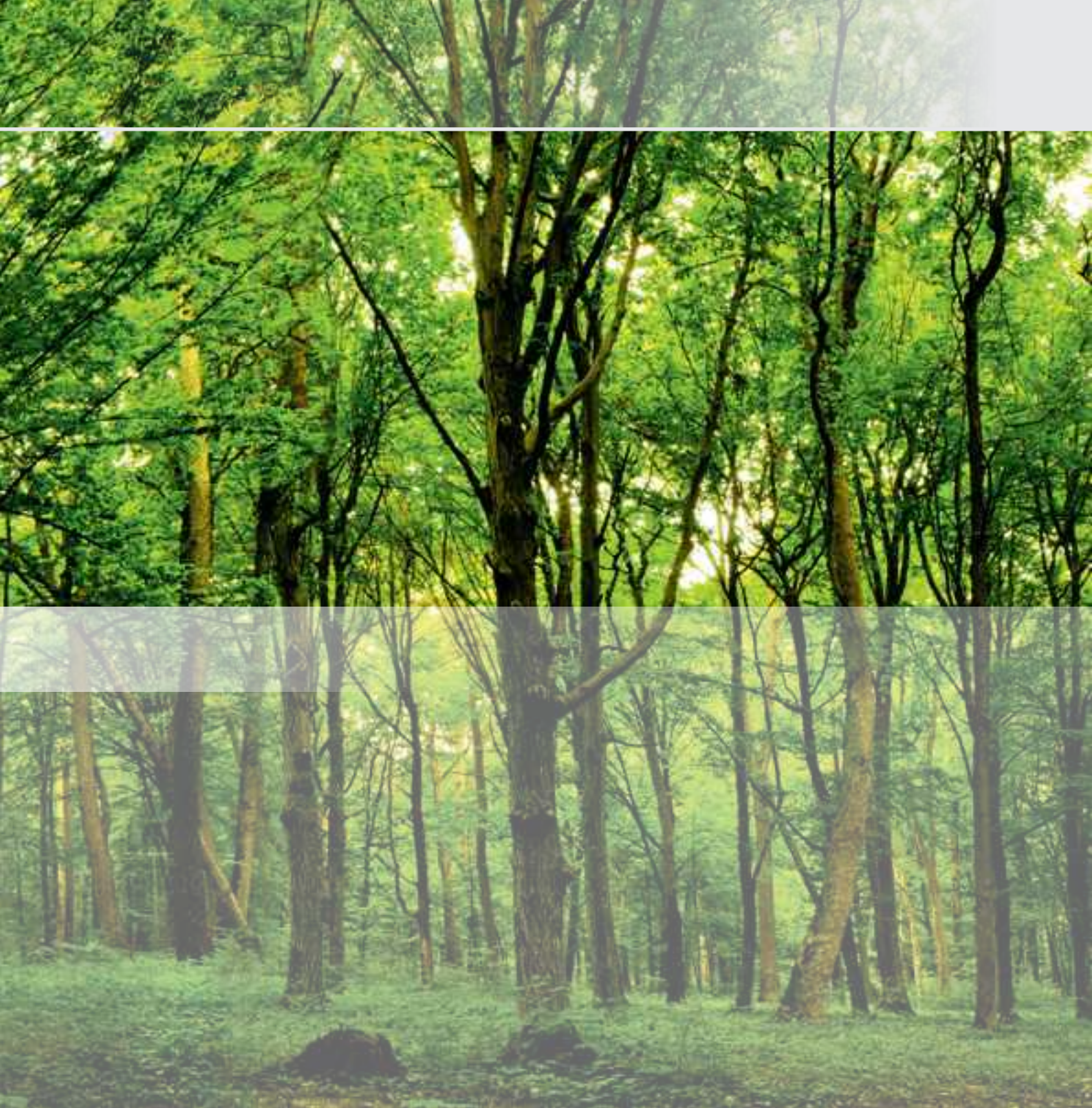
		BHX 200	BHX 200/D
Workpiece dimensions max.	L x W x T	mm 3050 x 1250 x 80	3050 x 1250 x 80
Workpiece dimensions min.	L x W x T	mm 200 x 50 x 8	200 x 50 x 8
Workpiece dimensions max.	L x W x T with return system	mm 2300 (3050) x 1250 x 80	2300 (3050) x 1250 x 80
Workpiece dimensions min.	L x W x T with return system	mm 350 x 60 x 8	350 x 60 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		m³/h min. 4350	min. 4350
Total machine weight		kg appr. 3.200	appr. 3.500
Electrical connected load		kW 21,0	21,0

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

Illustrations may also show optional equipment



Saving **resources**
Saving money



BHX 200 with ecoPlus

- Low energy consumption (on average less than 10 kW) by efficient drive technology
- Vacuum-free workpiece clamping and 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



BHX 200er-Baureihe

The magic always
lies in the
detail

Theodor Fontane







**Choose the Original
Choose Success!**

For the Success of Original Technology
A campaign of the VDMA



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**

Member of the HOMAG Group



WEEKE Bohrsysteme GmbH

Benzstrasse 10-16
33442 Herzebrock-Clarholz
GERMANY

Tel.: +49 5245 445-0
Fax: +49 5245 445-44 139
info@weeke.de
www.weeke.com