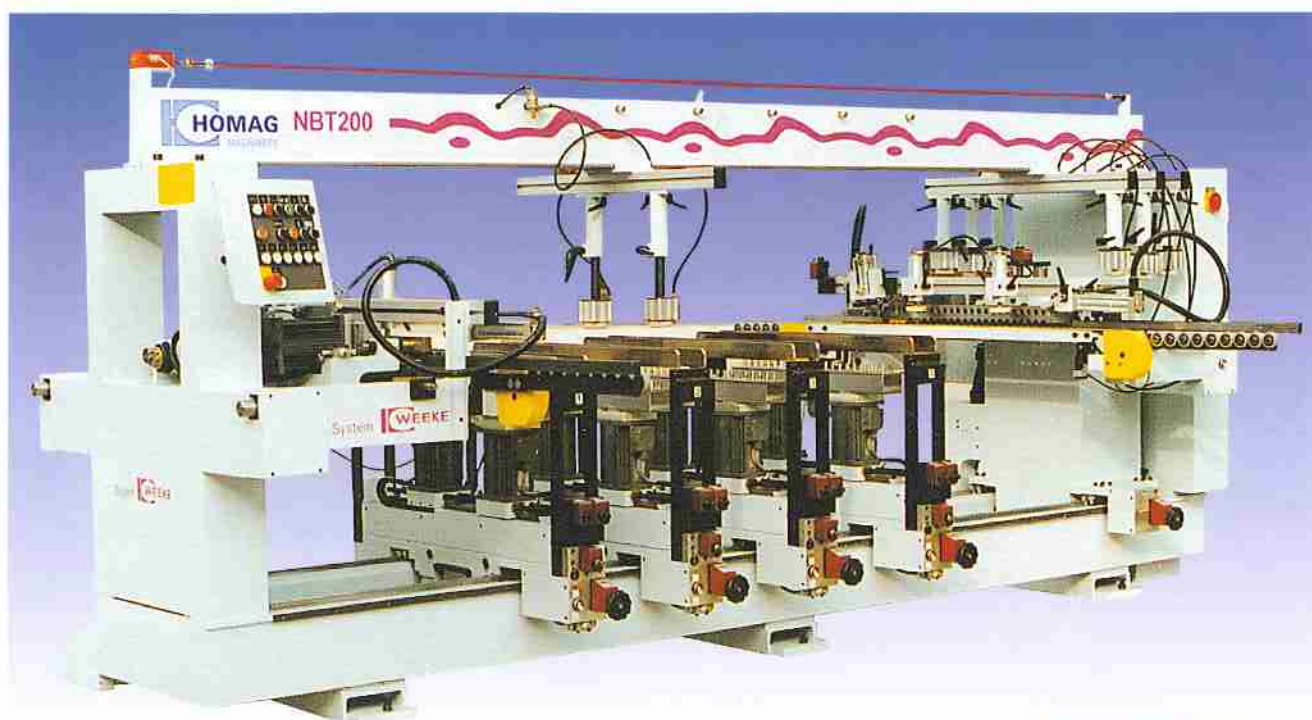


New

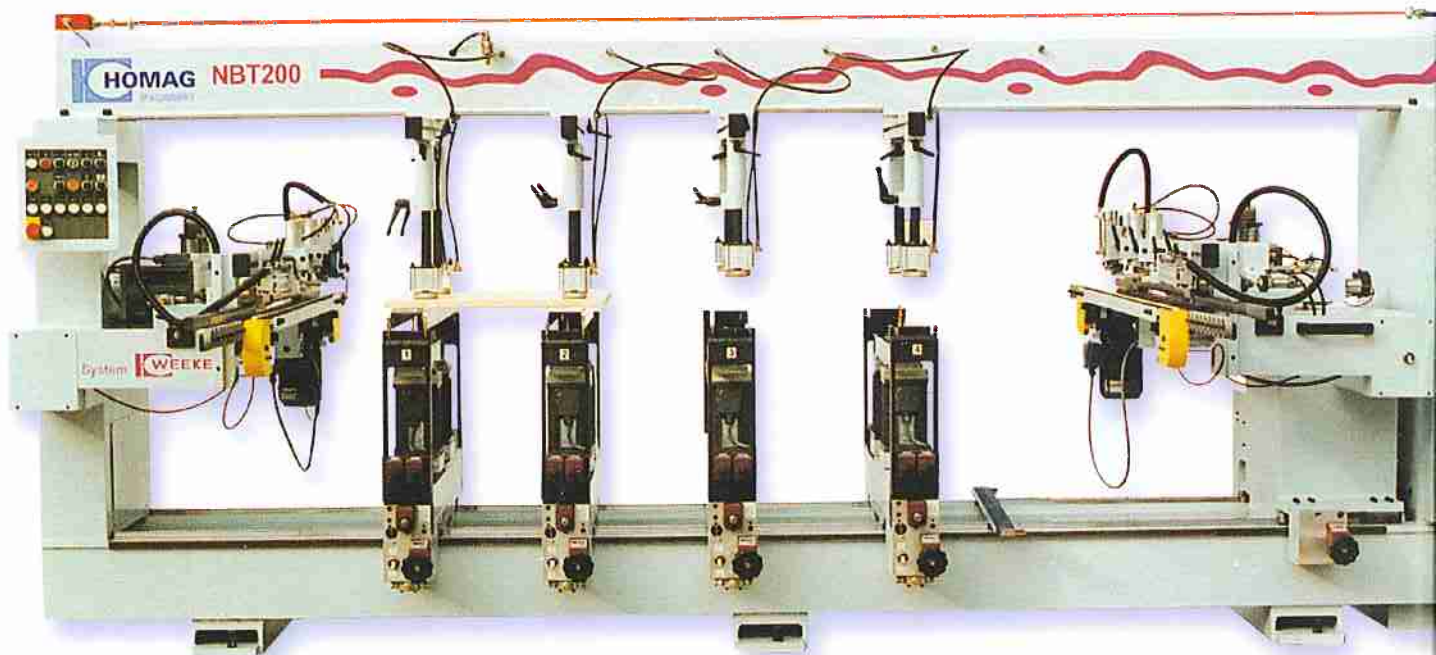


Professional Throughfeed Drilling Machine
OPTIMAT NBT200

New
Concept

Engineering by Weeke Germany

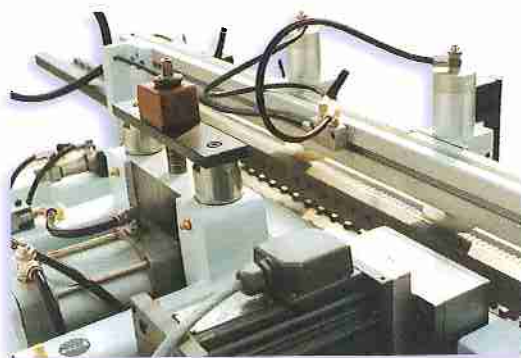
With the efforts of team work in HOMAG Machinery, we are proud to present you the new generation of drilling machine. NBT200 is nearly suitable for all the wood drilling applications. The advantages of versatility, easiness for using and quick resetting make the drilling work accurate and efficient.



Horizontal drilling unit adjustment

• X-direction

-Stepless drilling depth adjustment with scale indicator for absolute position in mm



• Z-direction

-Drilling height adjustment with digital counters for absolute position in mm



Inherent Advantages

- **Linear guide for high precision**

Linear guide is the special design for heavy loading and high precision. Vertical drilling unit is the application.

- **Vertical drilling unit optional**

You may choose from 4~6 vertical drilling units acc. to your requirements.

- **PLC control for better stability and easy maintenance**

Reducing the electrical components means reducing the possibility of failure.



Vertical drilling unit adjustment

- **Y1- and Y2-direction**

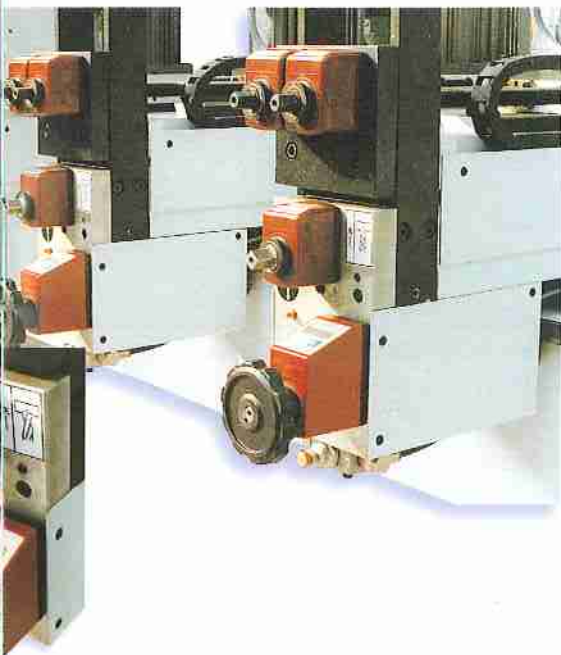
-Individual drilling head setting with digital counters for absolute position in mm

- **Z-direction**

-Stepless drilling depth adjustment with digital counters for absolute position in mm

- **X-direction**

-Pneumatic release/fix switch for quick adjustment
-Fine adjustment by wheel with LED display for absolute or relative position in mm



Machine Feature Description

- Close frame construction with solid double-beam machine-bed
- 21 pieces of spindles for horizontal drilling head, aligned on left and right side of the machine
- 11 pieces of spindles for each vertical drilling head
- Choice of vertical drilling unit
NBT200/4: 4 units
NBT200/5: 5 units
NBT200/6: 6 units
- Automatic alignment system for precise positioning at left and right side of the machine
- 2 adjustable workpiece clamps for each of horizontal and vertical drilling units
- Vertical drilling unit is based on precise dovetail guidance to ensure the position adjustment on Y1- and Y2- direction
- Vertical drilling heads with 11 drilling spindles can be manually swivelled to 90 degree angle
- Precise and fast automatic through infeed system to achieve high quality and mass production



• Optional pre-transportation unit for production line

The way to combine the drilling machine in mass production line.





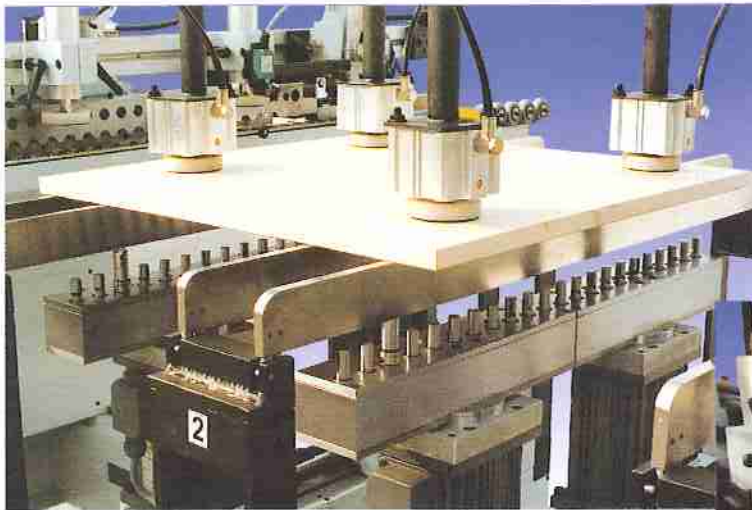
Innovations for drilling technology

- **New design of transportation system**

V belt for heavy duty with advantages of long lifetime and anti-sliding.



automatic



- **Improved hold-down system**

Improved cylinder and mechanical design makes the system more stable and powerful.

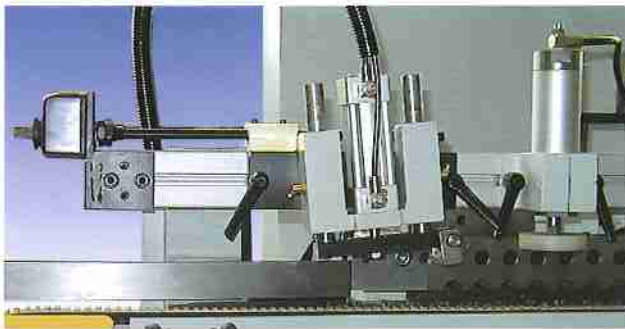
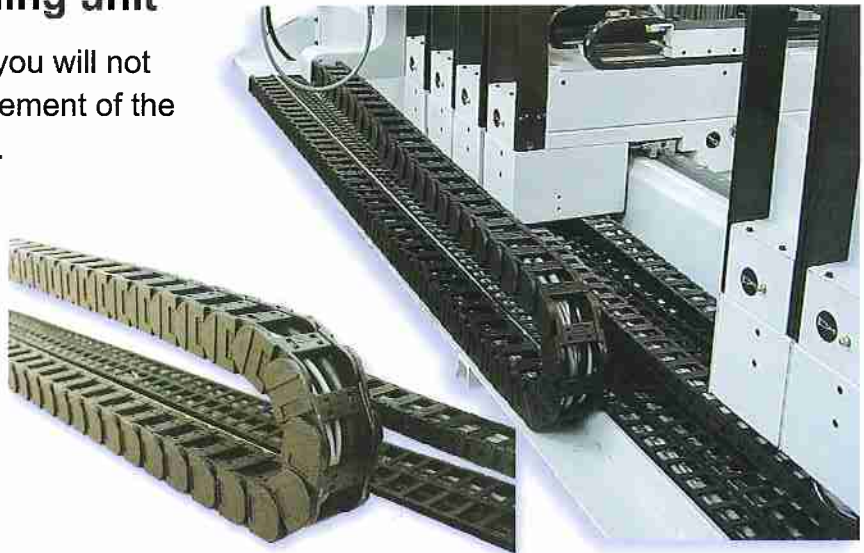


- **Horizontal drilling adjustment**



- **Extra protection and guiding for wire from vertical drilling unit**

with the tank cable protection, you will not need to worry about the arrangement of the wires from vertical drilling units.



- **Back Stop**

Back stop system can be easily adjusted to be adapted to position different sizes of boards.

- **Control panel**

Easy command of the drilling machine with new design of control panel.



TECHNICAL INFORMATION

Specifications

*Vertical drilling from bottom:

- NB(T)200/44 supports/4x2 drilling heads
- NB(T)200/55 supports/5x2 drilling heads
- NB(T)200/66 supports/6x2 drilling heads

*Vertical drilling head:

- Number of spindles11 per drilling head
- Rotation3,000 1/min(rpm)
- Power1kw per drilling head
- feed motion adjustable

*Horizontal drilling:

- Horiz. drilling supports1 x left/right
- Horiz. drilling heads1 x left/right

*Horizontal drilling head:

- Number of spindles21
- Rotation6,000 1/min(rpm)
- Power1.5kw per drilling head
- feed motion adjustable

Machine type NBT200

*Workpiece dimensions:

- Length in X-axis210~2,500 mm
- Thickness10~45 mm

*Workpiece positioning:

- 2 workpiece clamps for each horiz. drilling support
- 2 workpiece clamps for each vertical drilling support
- 1 workpiece stop on left and right side of machine
- Automatic alignment system

*Tool facilities:

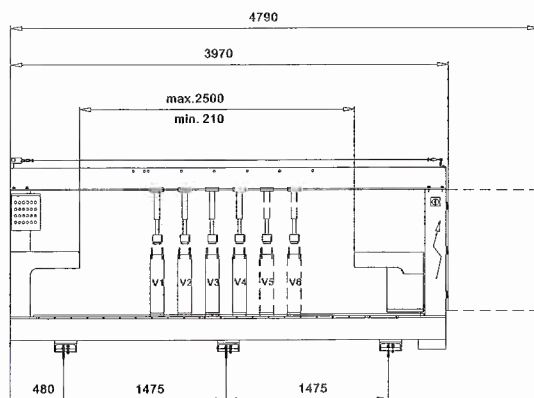
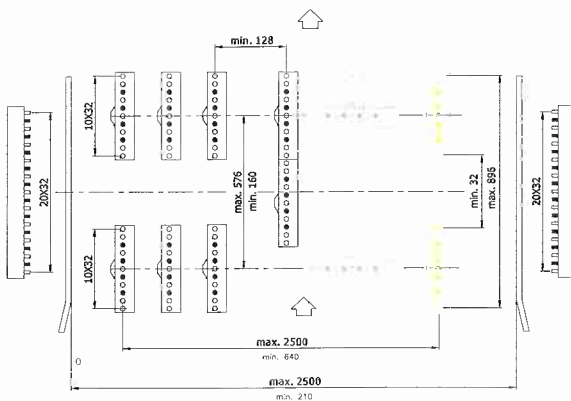
- Tool clamping10mm shank
- Length of tools70mm
- Max. drilling depth vertical35mm with 70mm tool
- Max. drilling depth horiz.35mm with 70mm tool
- Height adjustable horiz.0~45mm

*Connection:

- Air supply6~8bar
- Operation Voltage380V/50Hz or
acc. to customer request
- Required fuse25A

*Electric:

- NB(T)200/410 kW
- NB(T)200/512 kW
- NB(T)200/614 kW



NBT 200/4
NBT 200/5
NBT 200/6

