

Drilling system
BST 800







BST 800

pure dynamics – an adventure

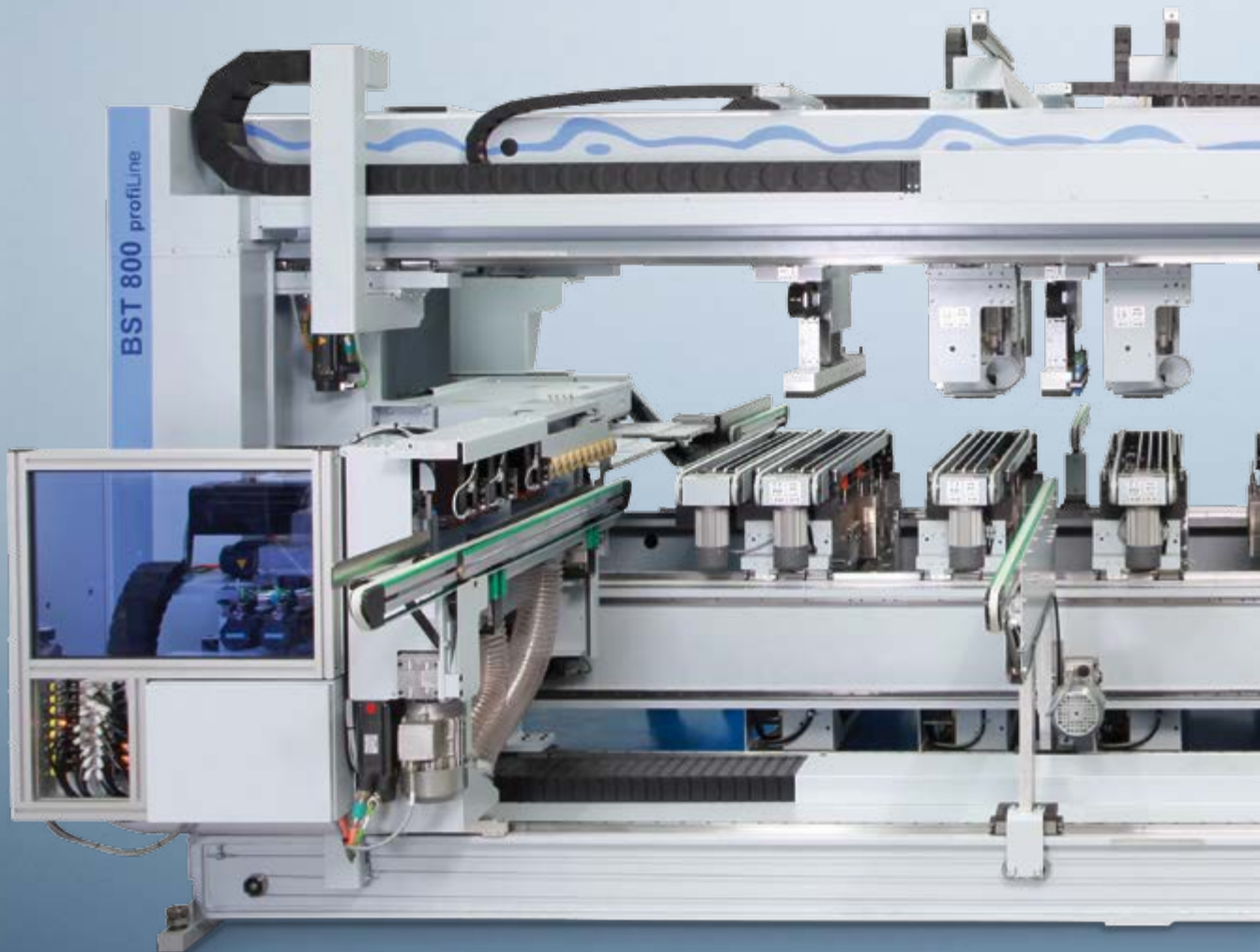
The Result: **YOUR SOLUTION**

Up to 674 individually activated high-speed spindles provide a unique drilling performance beyond competition regarding speed and dynamics. All spindles are equipped with the patented spindle clamping thus ensuring a continuously exact drilling depth. High repeat accuracy at batch size 1 is not contradictory here. The setting times tend to zero and workpiece processing in just one passage offer a high degree of productivity.

Here you will find more: www.homag.com

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BST 800 – Highlights:

UP TO 674 INDIVIDUALLY RETRIEVABLE DRILLING SPINDLES ensure dynamic batch size one manufacturing.

▪ **Highly dynamic drive system**

- Highest positioning accuracy despite high-speed handling
- Output: up to 30 pcs./min. in single-cycle operation and 22 pcs./min. in multi-cycle operation
- Machine setting time tends to zero

▪ **Versatile processing of panels:**

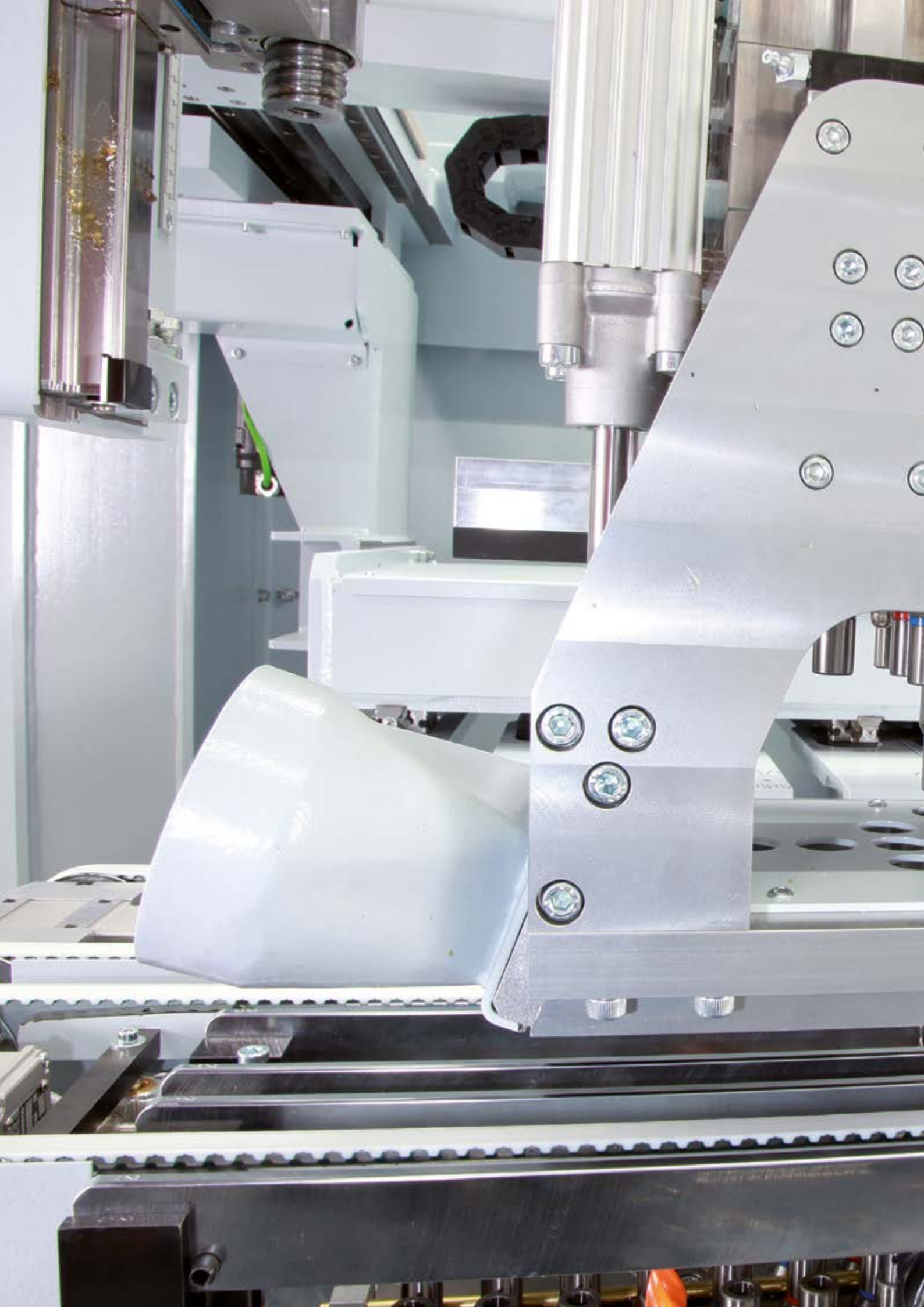
- Vertical drilling from top and bottom with individually activated spindles

- Horizontal drilling with individually activated spindles
- Horizontal dowel insertion

▪ **Customer-specific drill equipment**

- **Flat horizontal workpiece fence and guide system allows vertical drilling in edge zone**
- **ecoPlus – Savings due to stand-by-operation**







Drilling with full power

THIS MACHINE IS SUITABLE FOR OUR INDUSTRIAL PARTNERS WITH THE REQUIREMENT OF FAST AND PRECISE WORKPIECE PROCESSING WITH INDIVIDUAL DRILLING PATTERNS. The high-speed drilling spindles of the BST 800 offer a drilling performance that is unrivaled in terms of speed and dynamics. High repeatability for batch size 1 manufacturing is the main principle. Set-up times are close to zero and workpieces can be processed in one pass, which leads to an extremely high level of productivity..



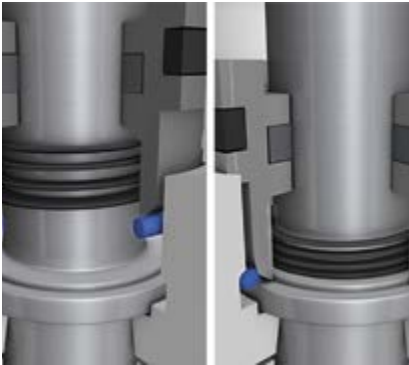
Configuration example

- Customer-specific drill equipment
- Vertically up to 570 drilling spindles possible
- Horizontally up to 104 drilling spindles possible



Horizontal drilling station

- Horizontal drilling block – individually activated



Automatic spindle clamping system

- Patented system
- Always exactly the same drilling depth – irrespective of materials
- Constant quality by high repeat accuracy

Drilling supports from top and bottom

- High quality of every drilling operation (example through holes)
- Increased productivity



Workpiece clamping system

- Horizontal fence and guide system for precise positioning of workpieces provides vertical drilling in edge zone



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.

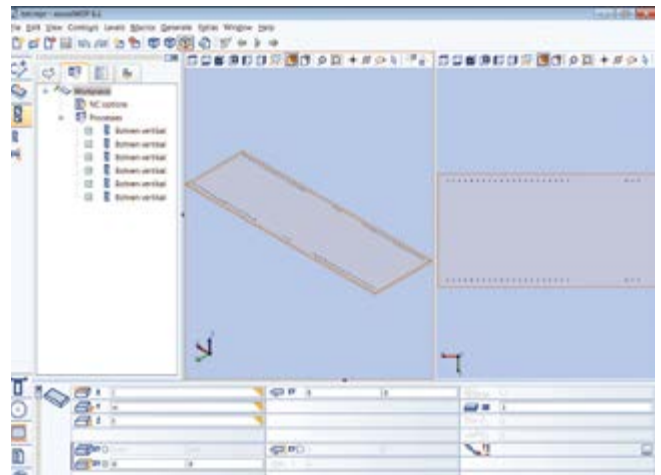
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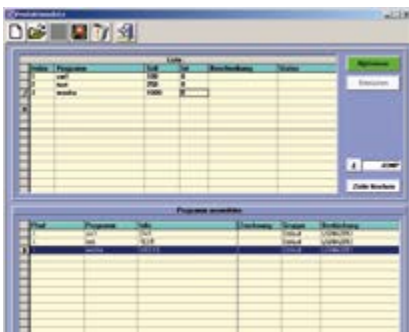
powerControl

- 17" TFT monitor
- Provision teleservice capability
- USB frontside bus
- Ethernet connection 10/100 Mbit
- Ergonomic hand terminal



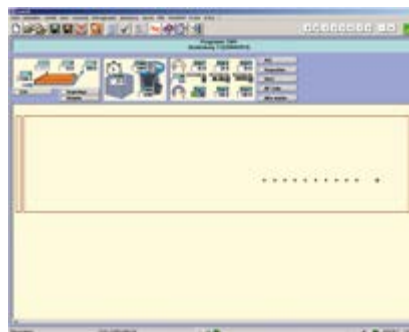
woodWOP

- Worldwide established CNC-programming system – already more than 30.000 installations
- More safety and control in programming by 3D-presentations of all relevant elements



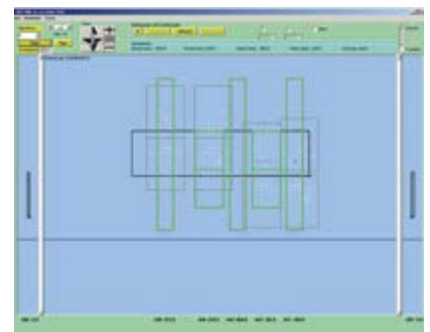
Production list software

- For management and creation of product lists for individual manufacturing



Main user interface topDrill

- Calling up detailed information of machine
- Start processing programs

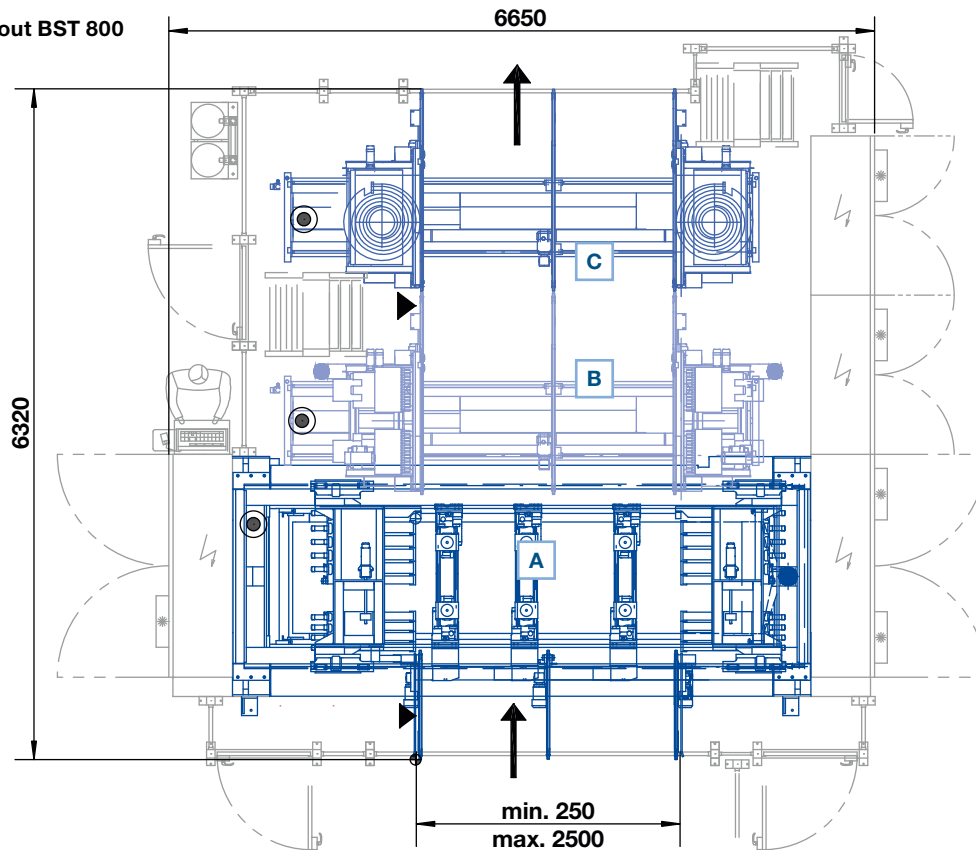


Generator

- With graphic operator guidance to generate the NC-program

Technical data

Sample layout BST 800



DIMENSIONS	MIN.	MAX.
Workpiece length	250 mm	2500 mm
Workpiece width	100 mm	1050 mm
Workpiece thickness	15 mm	60 mm

- A** Vertical drilling station
- B** Horizontal drilling station
- C** Dowel insertion station

Further dimensions on request

EQUIPMENT TYPES

480

Vertical | bottom

Up to 6 drilling supports with 2 drilling blocks each, up to 40 individually activated spindles per drilling block

90

Vertical | top

Up to 3 drilling supports with 2 drilling blocks each, up to 15 spindles per drilling block

42

Horizontal

Per fixed and moveable side 1 drilling block with 13 or 21 spindles in one row per drilling block

80

Per fixed and moveable side 1 drilling block with 2x13 or 2x20 spindles in double row per drilling block

52

Per fixed and moveable side 2 drilling blocks with 13 spindles in one row per drilling block

104

Per fixed and moveable side 2 drilling blocks with 2x13 spindles in double row per drilling block

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