IC WEEKE

Throughfeed Drilling Machines
Optimat BST Series

Contents

BST 503   EFFICIENT POWER

Highlights:

- Auxiliary free resetting of processing aggregates
- Positioning aid system for machine set-up - automatic clamping when reaching the position
- Position control system of the supports and drilling motors during production
- High flexibility due to the proven exchangeable drilling block system
- Integrated broad chip transport belt to cover the complete drilling range
- Separated transport system - with 3 individually driven sections
- PC based control with TFT-Monitor
- Ethernet „on Board"
- Front USB interface
- wood**WOP** Programming System on the machine
- Operator friendly surface **top**Drill

Pictures may also show options.

Technical data of the Basic Equipment — Optimat BST 503

Technical data of the Basic Equipment	Optimat BST 503
Number of vertical supports bottom	4
Number of vertical supports top	–
Vertical drilling block with 11 spindles	8
Horizontal drilling block with 21 spindles	2
Horizontal drilling block with 11 spindles	–
NC-Stop	–
Machine dimensions L / W / H	5500 / 3710 / 2000 mm
Working height	950 mm
Workpiece dimensions L / W	250 - 2500 mm / (80*) 100 - 1000 mm
Workpiece thickness	12 - 60 mm
Chip conveyor belt	✔
Weight	8000 kg

✔ = contained in the Basic Equipment   • = optionally available   – = not available

* only for single machine   5

POWERFUL PERFORMANCE

Highlights:

- Auxiliary free resetting of processing aggregates
- Positioning aid system for machine set-up - automatic clamping when reaching the position
- Position control system of the supports and drilling motors during production
- High flexibility due to the proven exchangeable drilling block system
- Integrated broad chip transport belt to cover the complete drilling range
- Separated transport system - with 3 individually driven sections
- PC based control with TFT-Monitor
- Ethernet „on Board"
- Front USB interface
- woodWOP Programming System on the machine
- Operator friendly surface topDrill

Technical data of the Basic Equipment

	Optimat BST 505
Number of vertical supports bottom	4
Number of vertical supports top	2
Vertical drilling block with 11 spindles	12
Horizontal drilling block with 21 spindles	2
Horizontal drilling block with 11 spindles	–
NC-Stop	–
Machine dimensions L / W / H	5500 / 3710 / 2800 mm
Working height	950 mm
Workpiece dimensions L / W	250 - 2500 mm / (80*) 100 - 1000 mm
Workpiece thickness	12 - 60 mm
Chip conveyor belt	✔
Weight	8500 kg

✔ = contained in the Basic Equipment • = optionally available – = not available
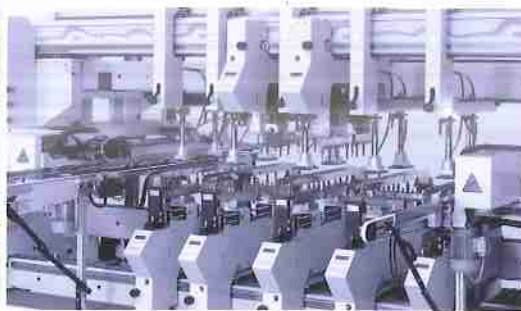
Highlights:

- Auxiliary free resetting of processing aggregates
- Positioning aid system for machine set-up - automatic clamping when reaching the position
- Position control system of the supports and drilling motors during production
- High flexibility due to the proven exchangeable drilling block system
- Integrated broad chip transport belt to cover the complete drilling range
- Separated transport system - with 3 individually driven sections
- PC based control with TFT-Monitor
- Ethernet „on Board"
- Front USB interface
- wood**WOP** Programming System on the machine
- Operator friendly surface **top**Drill

Technical data of the Basic Equipment — Optimat BST 507

| Technical data of the Basic Equipment	Optimat BST 507
Number of vertical supports bottom	5
Number of vertical supports top	2
Vertical drilling block with 11 spindles	14
Horizontal drilling block with 21 spindles	–
Horizontal drilling block with 11 spindles	4
NC-Stop	✔
Machine dimensions L / W / H	5500 / 3710 / 2800 mm
Working height	950 mm
Workpiece dimensions L / W	250 - 2500 mm / (80*) 100 - 1000 mm
Workpiece thickness	12 - 60 mm
Chip conveyor belt	✔
Weight	8500 kg

✔ = contained in the Basic Equipment   • = optionally available   – = not available

* only for single machine   9

ACCURATE DOWELLING

Highlights:

- Simple dowel adjustment

- Auxiliary free resetting of processing aggregates

- Positioning aid system for machine set-up - automatic clamping when reaching the position

- Integrated broad chip transport belt to cover the complete drilling range

- Separated transport system - with 3 individually driven sections

- PC based control with TFT-Monitor

- Ethernet „on Board"

- Front USB interface

- woodWOP Programming System on the machine

- Operator friendly surface **top**Drill

Technical data of the Basic Equipment — Optimat BST 501

Technical data of the Basic Equipment	Optimat BST 501
Number of dowel tools	8 (4 per side)
Dowel diameter	8 mm
Dowel length	30 - 40 mm
Machine dimensions L / W / H	5500 / 3710 / 2000 mm
Working height	950 mm
Workpiece dimensions L / W	250 - 2500 mm / (80*) 100 - 1000 mm
Workpiece thickness	12 - 60 mm
Chip conveyor belt	✔
Weight	7000 kg

✔ = contained in the Basic Equipment   • = optionally available   – = not available
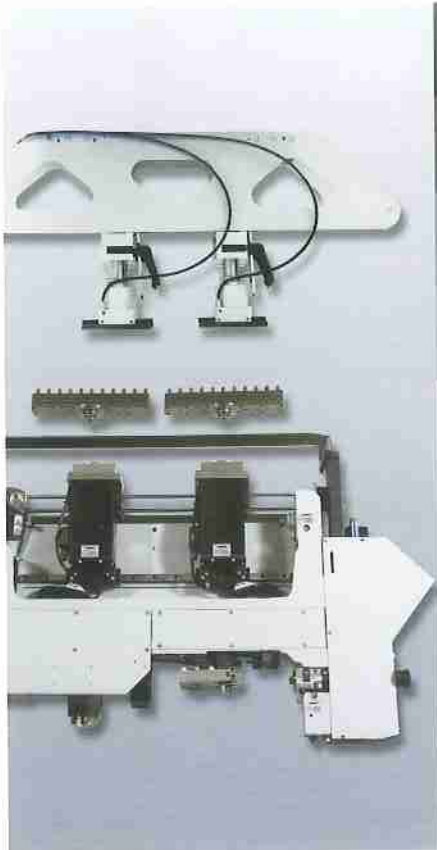
**Lower drilling support unit PLUS
501 / 503**
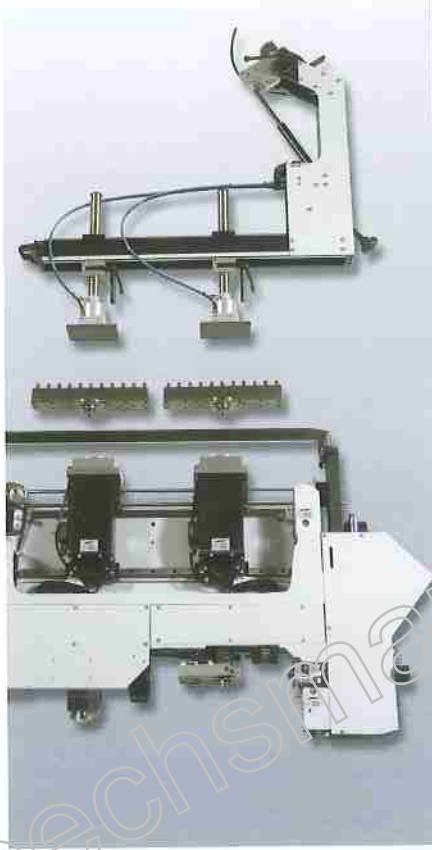
**Lower drilling support unit PLUS
505 / 507**
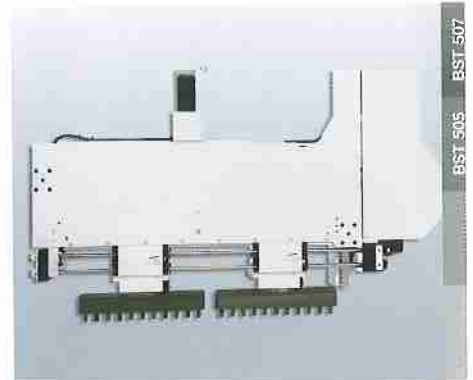
**Upper drilling support unit PLUS
505 / 507**

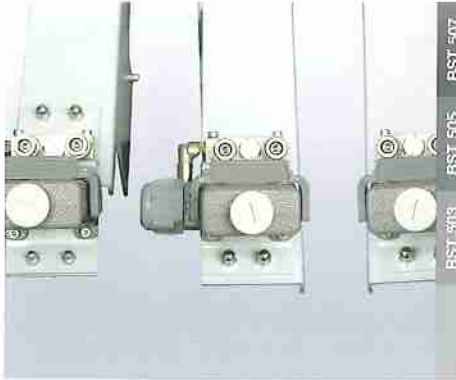**Driven workpiece support**
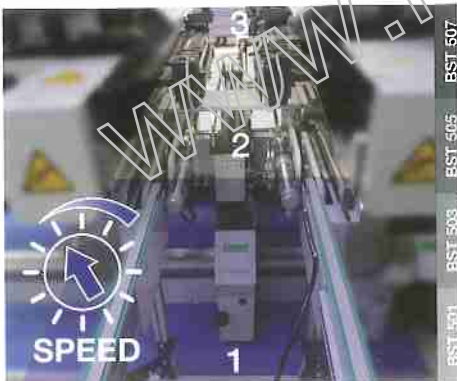
**Frequency controlled transport
system**

Exchangeable drilling blocks

**Drilling aggregate for longitudinal
edges**

**Interface for drilling aggregate for longitudinal edges**

**Narrow parts magazine**

Air-conditioned cabinet

Options	BST 501	BST 503	BST 505	BST 507
Lower drilling support unit PLUS 501 / 503	max. 4	max. 3	-	-
Lower drilling support unit PLUS 505 / 507	-	-	max. 4	max. 3
Upper drilling support unit PLUS 505 / 507	-	-	max. 2	max. 2
Driven workpiece support	•	•	•	•
Frequency controlled transport system	•	•	•	•
Exchangeable drilling blocks	•	•	•	•
Drilling aggregate for longitudinal edges	-	•	•	•
Interface for drilling aggregate for longitudinal edges	-	•	•	•
Narrow parts magazine	•	•	•	•
Air-conditioned cabinet	•	•	•	•

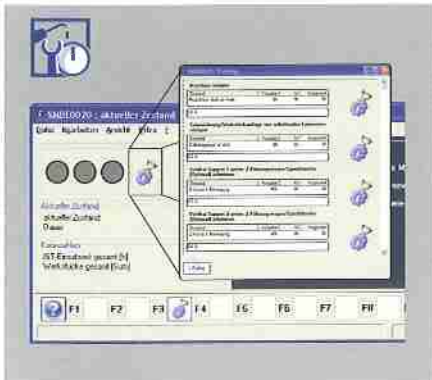✔ = contained in the Basic Equipment   • = optionally available   – = not available
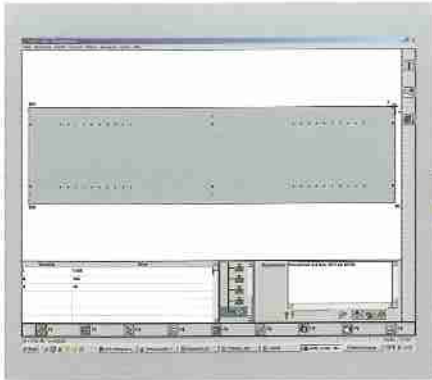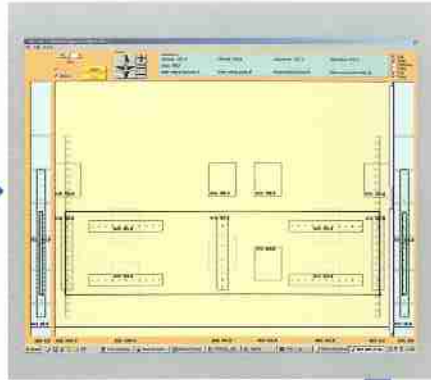
woodWOP
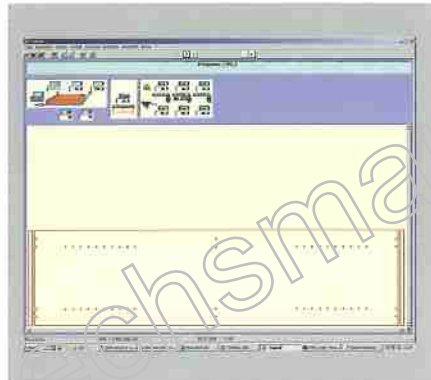

NC-Data Postprocessor

DXF post processor

MDE Basic
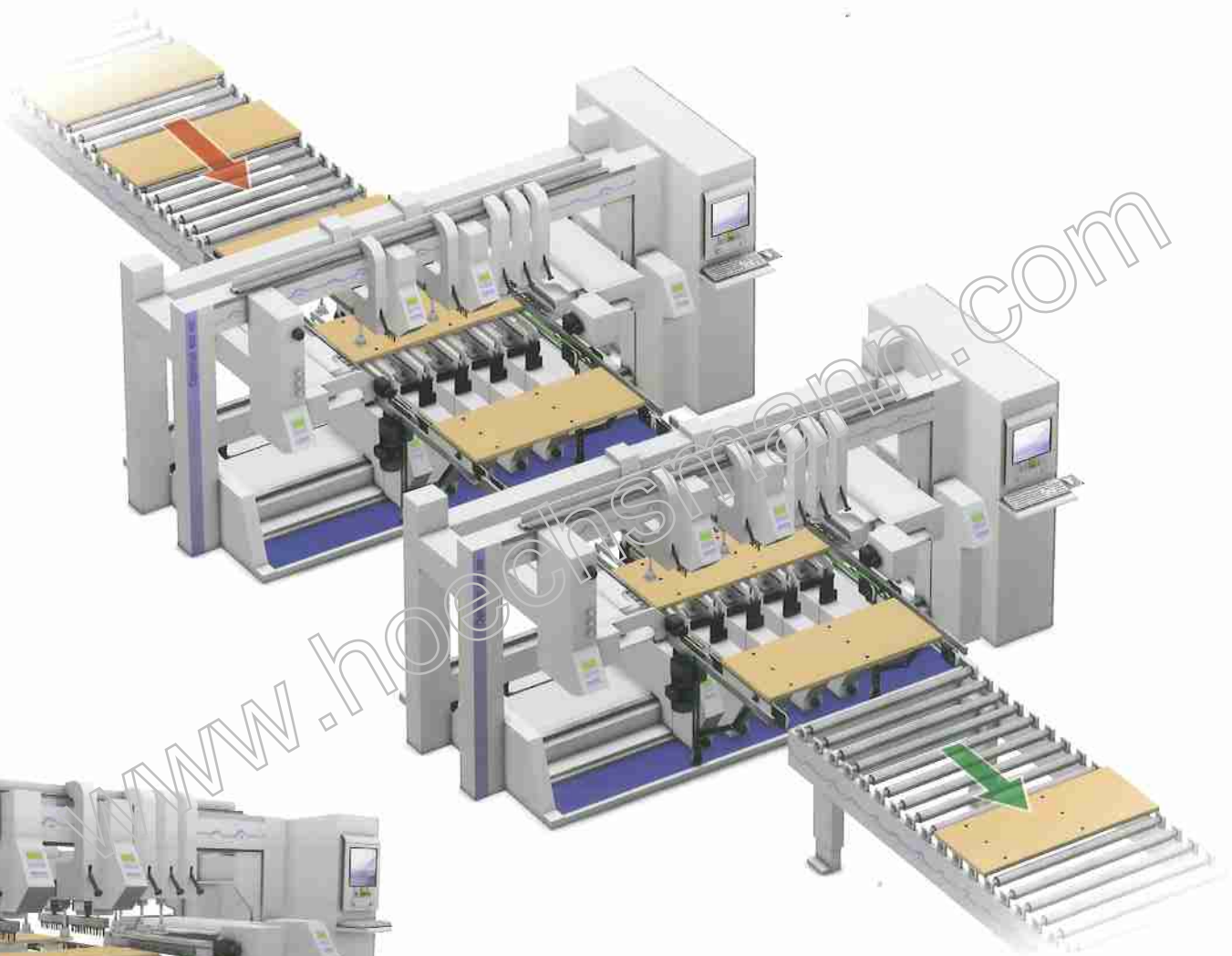

topDrill

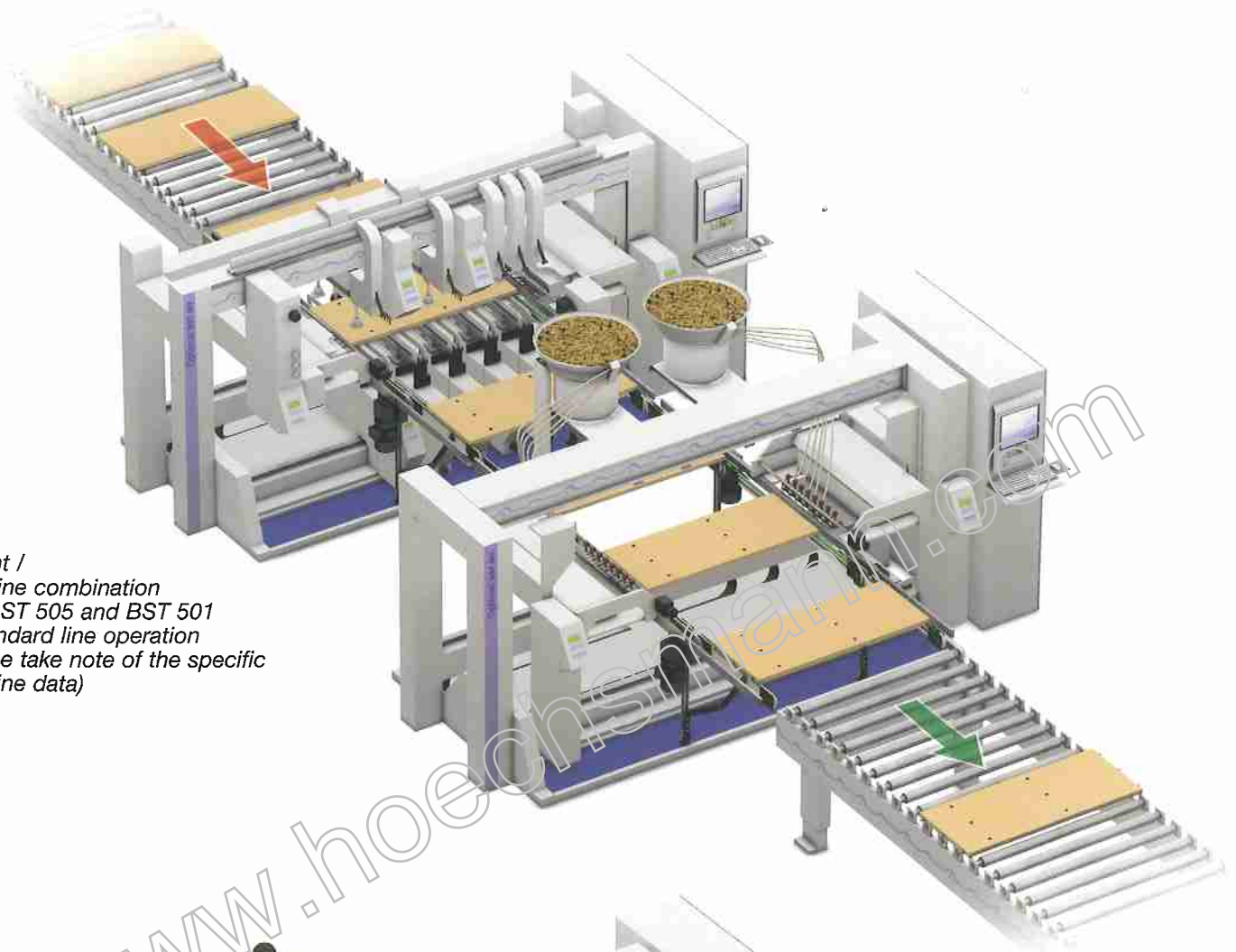| Options	BST 501	BST 503	BST 505	BST 507
External work place woodWOP	•	•	•	•
External work place NC-Data Postprocessor	•	•	•	•
MDE Basic	•	•	•	•
topDrill	•	•	•	•
DXF post processor	•	•	•	•

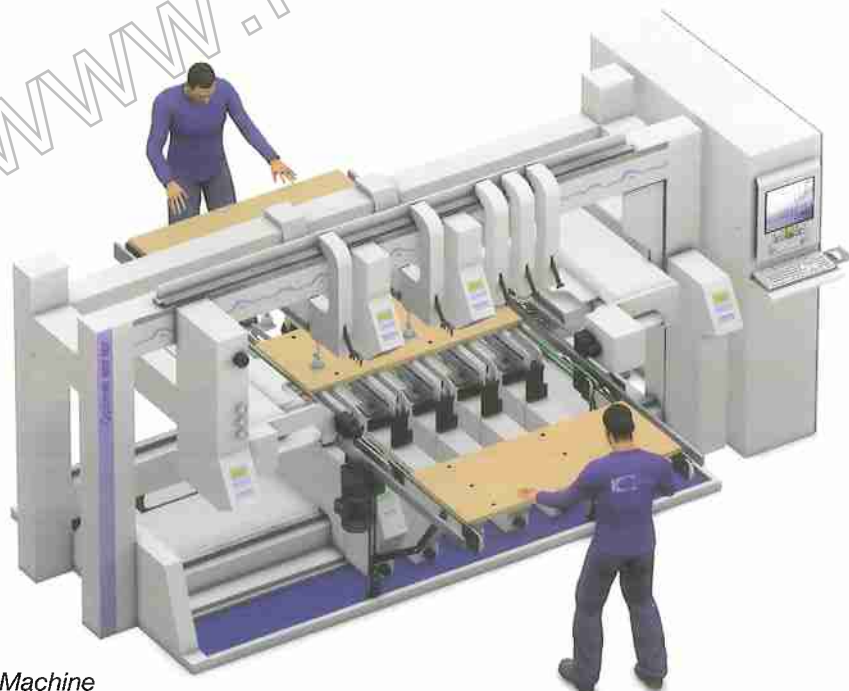✔ = contained in the Basic Equipment   • = optionally available   – = not available

Variant /
Machine combination
e.g. 2 x BST 507
in standard line operation
(Please take note of the specific
machine data)

Variant /
Machine combination
e.g. BST 505 and BST 501
in standard line operation
(Please take note of the specific
machine data)

Variant Single Machine
e.g. BST 507