

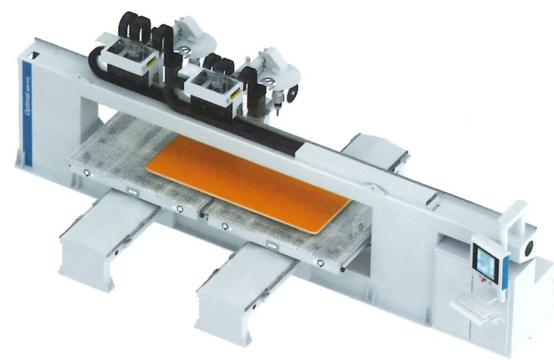
Processing center BOF 612



Optimat | profi line | power line



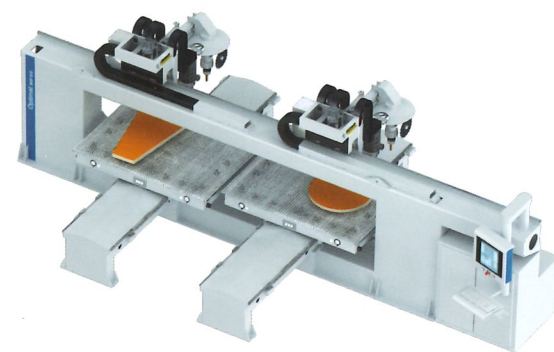
Extreme flexibility and efficiency – the new BOF 612



Individual processing

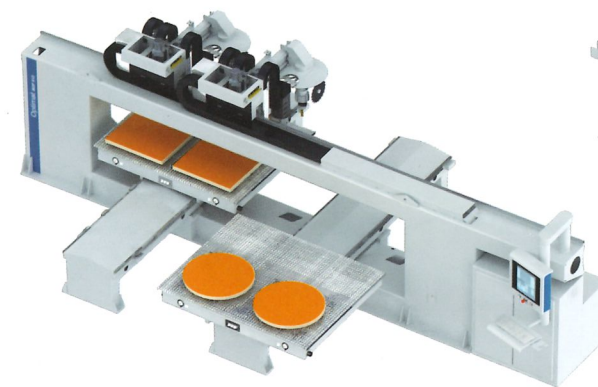
The two spindles are used alternately to process an individual workpiece. While one spindle is still at work, the other is already being fitted with

the new tool, drastically reducing downtimes. For large format workpieces, both tables can be used in coupled or tandem mode.



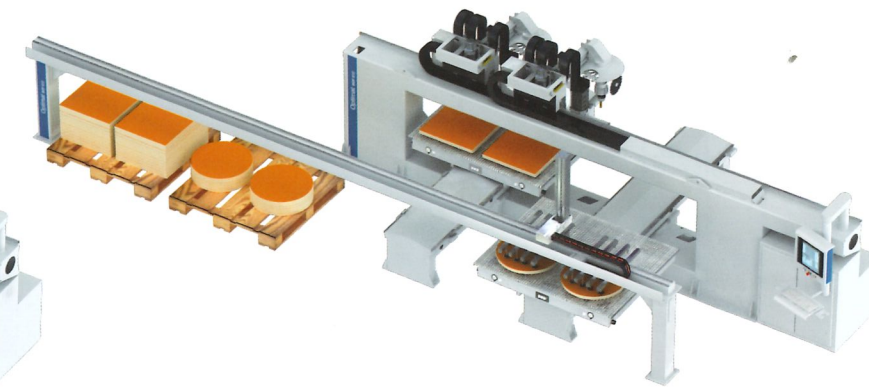
Independent processing

Two spindles process different workpieces independently on the two tables (option).



Synchronous processing

Two spindles process two workpieces synchronously on a single table. By combining with the drilling heads, this feature permits double the output to be achieved for all machining processes.



Production cell

The integrated loader TBP 370 turns the BOF 600 into a production cell.

Its benefits:

- Saves on the number of operating staff required and reduces the work load
- Increases machine running time (the cell continues to produce during operator break periods)

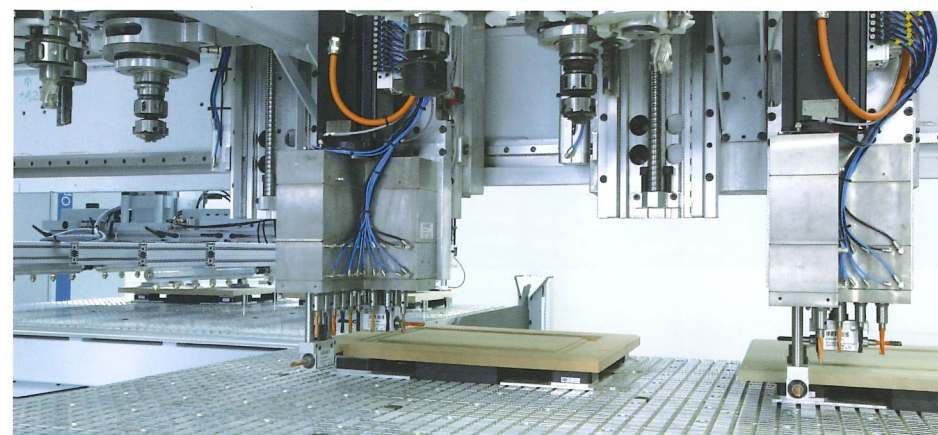
- Continued optimum accessibility for manual loading (e.g. with non-standard parts)
- Extremely simple operation through the use of the machine control system – also for the loading system
- 100% greater output for synchronous processing in conjunction with the loading system's patented dual gripper.



Tracing

The new SENSO-FLEX system offers wide-ranging benefits, including:

- Perfect workpiece quality: The tracing spindle balances out any unevenness and tolerances
- Total flexibility: The tracing function can be deployed for different workpieces
- Extended functional capability: The system offers scope for the use of wide-ranging different units



Dual spindle technology for greater output

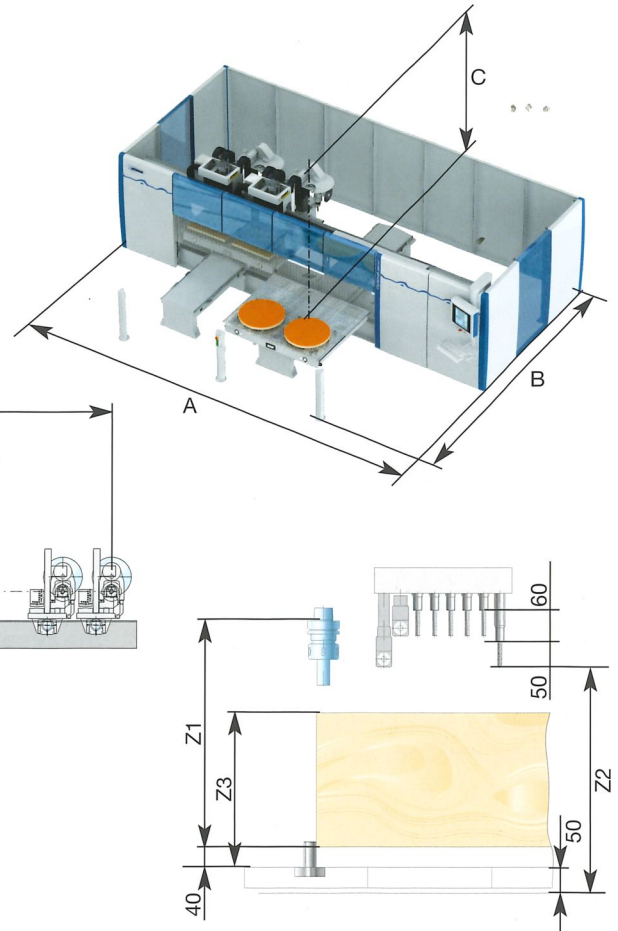
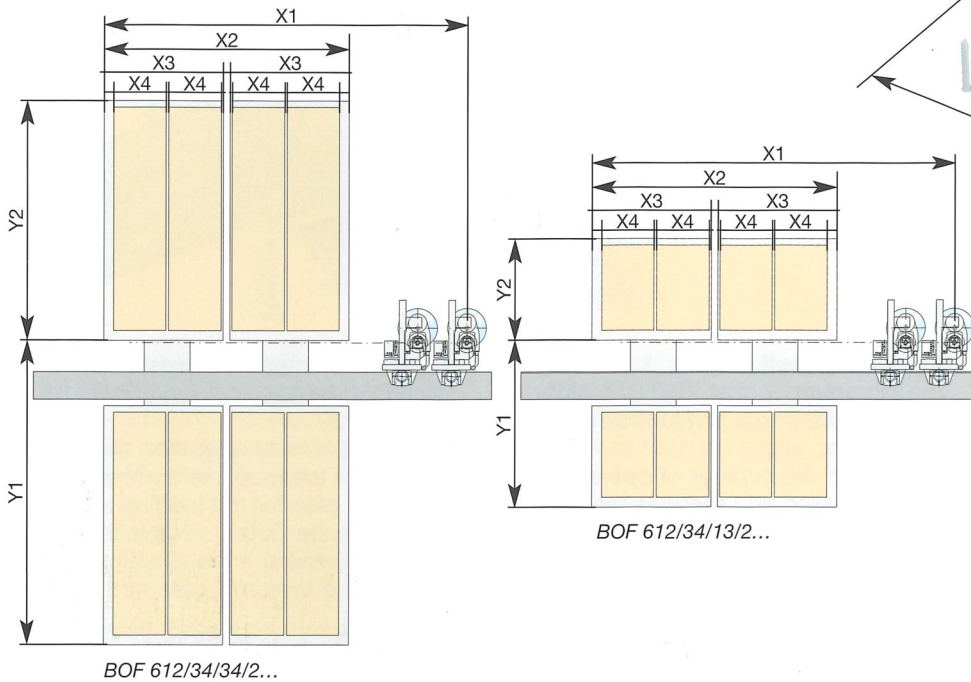
- 2 router spindles with up to 28 kW output and 30,000 rpm for maximum feed rates and qualities
- Variable spindle spacing
- Coupled-motion tool changer (10-slot) for fast tool changing even during drilling operations (optional performance pack)

- Different drilling heads with variable speeds of up to 7,500 rpm; and patented quick-change system for drill changeover without the need for tools; spindle locking mechanism for maximum loads, e.g. HPL processing



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Specifications



Certain details of the specifications and photos may differ from those stated.
We reserve the right to make changes in the interests of further development.

		BOF612/34/13/2R	BOF612/34/34/2R	BOF612/34/13/2K
Working measurements				
X axis	X1 [mm]	5140 (202,4")	5140 (202,4")	5140 (202,4")
X axis	Y1 [mm]	2550 (100,4")	4810 (189,4")	2550 (100,4")
Processing dimensions with tool diameter 25 mm				
Single processing	X2 [mm]	3740 (147,2")	3740 (147,2")	3520 (138,6")
Alternating/dual processing	X3 [mm]	1830 (72,0")	1830 (72,0")	1700 (66,9")
Quadruple processing	X4 [mm]	800 (31,5")	800 (31,5")	700 (27,6")
(synchronous processing)				
Processing dimensions Y direction	Y2 [mm]	1550 (61,0")	3710 (146,1")	1550 (61,0")
Traversing path				
Z axis working spindle	Z1 [mm]	600 (23,6")	600 (23,6")	600 (23,6")
Z axis drilling head / add-on units	Z2 [mm]	600 (23,6")	600 (23,6")	600 (23,6")
Processing dimensions *				
incl. clamping elements	Z3 [mm]	300 (11,8")	300 (11,8")	300 (11,8")
*using the relevant unit and tool lengths				
Set-up dimensions				
Set-up dimensions X direction	A [mm]	7500 (295,3")	7500 (295,3")	7500 (295,3")
Set-up dimensions Y direction	B [mm]	4785 (188,4")	9100 (358,3")	4785 (188,4")
Set-up dimensions Z direction	C [mm]	3250 (128,0")	3250 (128,0")	3250 (128,0")

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