

# CNC-Processing Center Optimat BHC 555



**PRACTIVE**

**Optimat | profi line | power line**



# Optimat BHC 555 – The new Allrounder

We take up ...  
+ ... your challenges  
+ ... with our experience  
= ... for a successful mutual future.

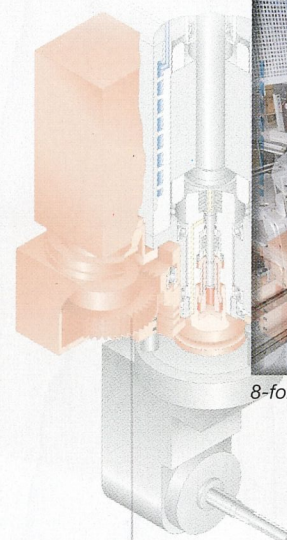
In order to fulfil the changing market demands we have further developed our most successful machine concept. The new ergonomic design rounds off the detailed perfection of this CNC-system in a very user-friendly manner.

The new Optimat BHC 555 series offers further advantages:

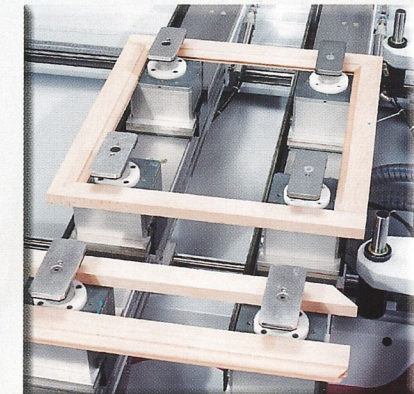
- Powerful HSK router spindle up to 15 kW [option]
- Routing distance in Y-direction max. 1779 mm [option]
- The user-orientated modular machine concept allows for:
  - 3 different table versions
  - the use of a variety of different equipment versions
- 2 working fields for alternating processing
- Grooving saw in X-direction
- Quick-change system for drill bits (option)
- Up to 26 tool changing places
- Gluing and doweling aggregate, infinitely programmable (0° up to 360°) [option]
- Pneumatically fixed workpiece supports
- C-Axis, workpiece feeding rails and perfected clamping technique
- Safe positioning of workpiece consoles and vacuum cups via laser systems and LED positioning system [option]
- 15" TFT monitor, CD-writer, modem as well as state-of-the-art software (e.g. woodDesign - The 3D-construction tool for interactive furniture design) are standards and guarantee a time-saving easy operation.



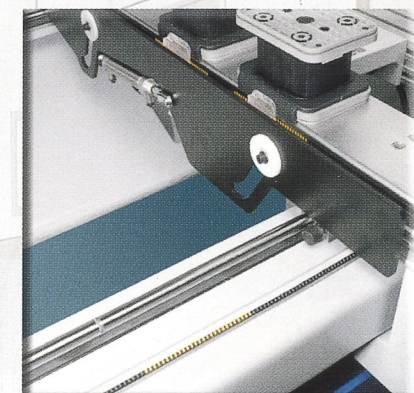
Closed "long-life" linear guiding systems



8-fold or 18-fold tool changer in X-direction



Multi clamping system (e.g. for frame parts)



LED positioning system for workpiece consoles and vacuum cups

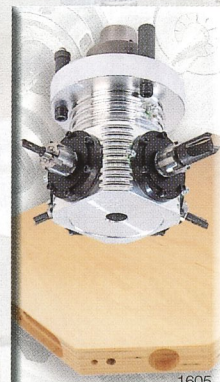


Option: Matrix table

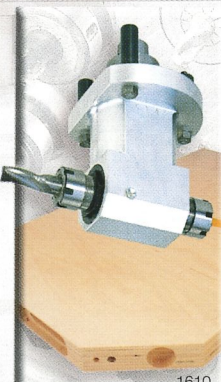
### A selection of our adapter aggregates:



1603  
Drilling/Routing/Sawing, 2 spindles



1605  
Drilling/Routing, Cross head - 4 spindles



1610  
Routing, 2 spindles



1616  
Drilling/Sawing, manually adjustable - (0°-90°)



1617  
Drilling/Routing, manually adjustable - (0°-90°)



1625  
Cam Box Routing with blow nozzle



1650  
Routing, vertical with tracing ring

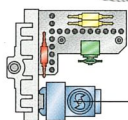
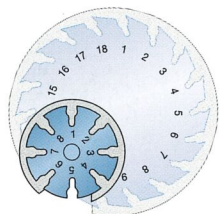


A chip transport belt can be integrated in the rigid machine frame as an option.

Pictures can also show options



### Configurations



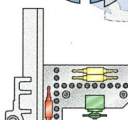
**1410 [55.5 inches]**  
**1650 [65.0 inches]\*\***



**1 x routing motor**  
**8-fold tool changer**

**Option:**

- additional 8-fold or 18-fold tool changer
- \*\* Y-extension of the carriage for routing dimension 1650 mm



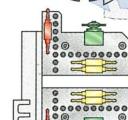
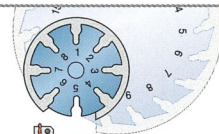
**1540 [60.6 inches]**



**2 x routing motor**  
**1 x free space**  
**8-fold tool changer**

**Option:**

- additional 8-fold or 18-fold tool changer



**1540 [60.6 inches]**



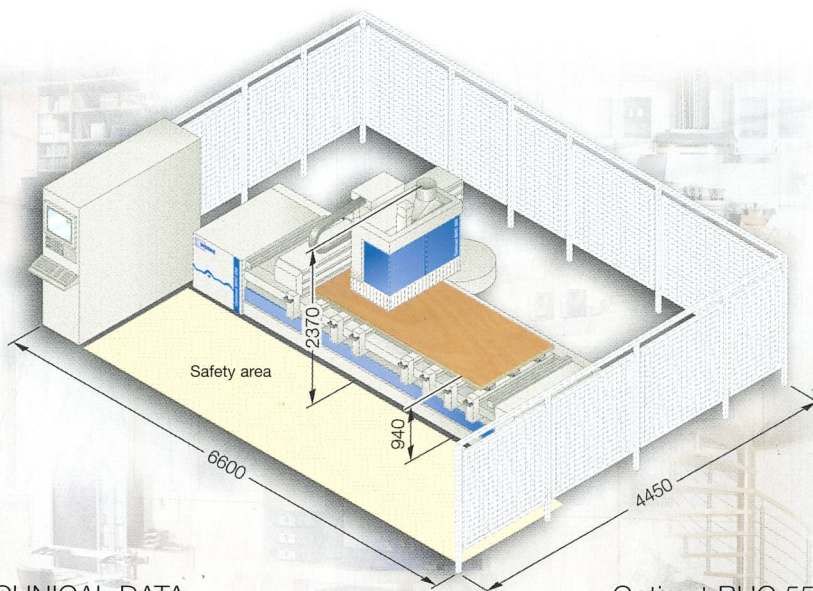
**2 x routing motor**  
**8-fold tool changer**

**Option:**

- additional 8-fold or 18-fold tool changer

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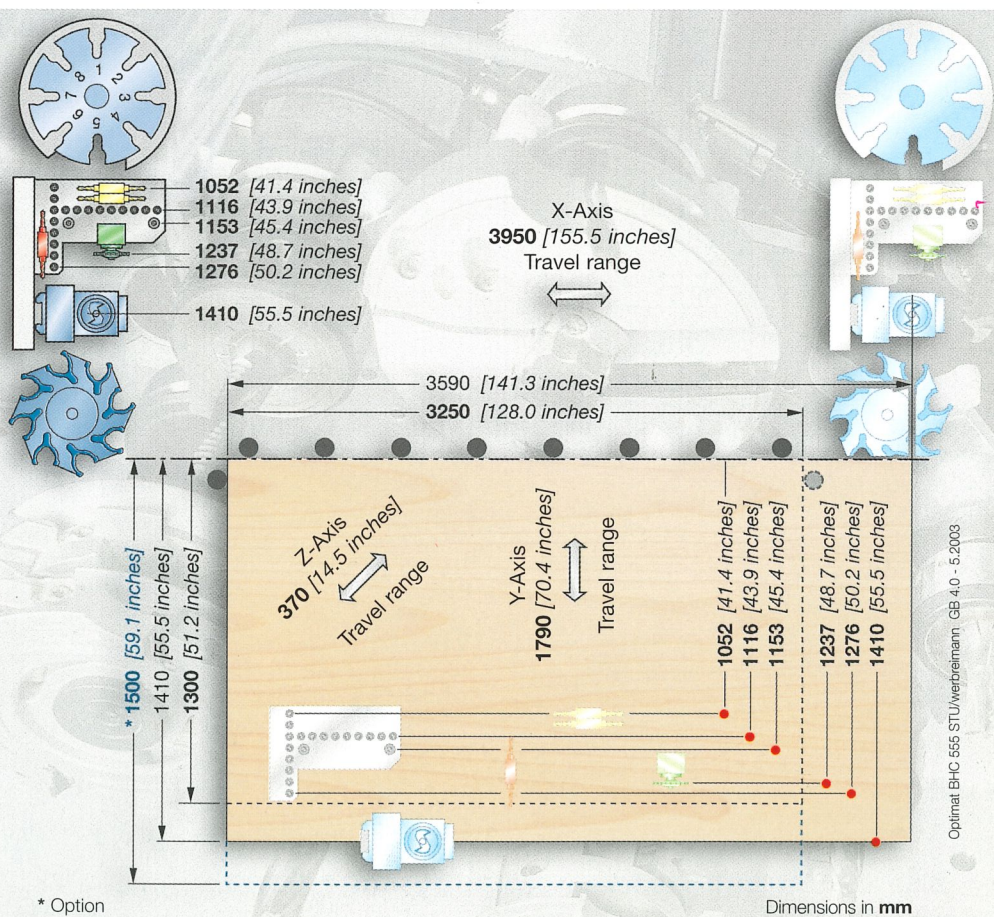


### TECHNICAL DATA

	X - Y - Z - Axis	mm	Optimat BHC 555
Travel range	X - Y - Z - Axis	mm	3950 / 1790 / 370
Rapid traverse speed	X - Y - Z - Axis	m/min	80 (100)* / 60 / 20
Compressed air connection		Zoll	R 1/2
Compressed air required		bar	7
Dust extraction port		mm	Ø 250 (2x250)
Dust extraction volume		m³/h	min. 4950 (max. 9900)
Total machine weight		kg	ca. 6000 * Option

Other working lengths on request. Setting-up dimensions refer to our standard machine versions (without extension of the machine frame or of the Y-carriage)

NOTE: Equipment as described in this brochure is subject to technical changes and further developments. Some photos show options which are not included with the standard machine configuration. Technical data refer to standard equipment and are not binding for the order.



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