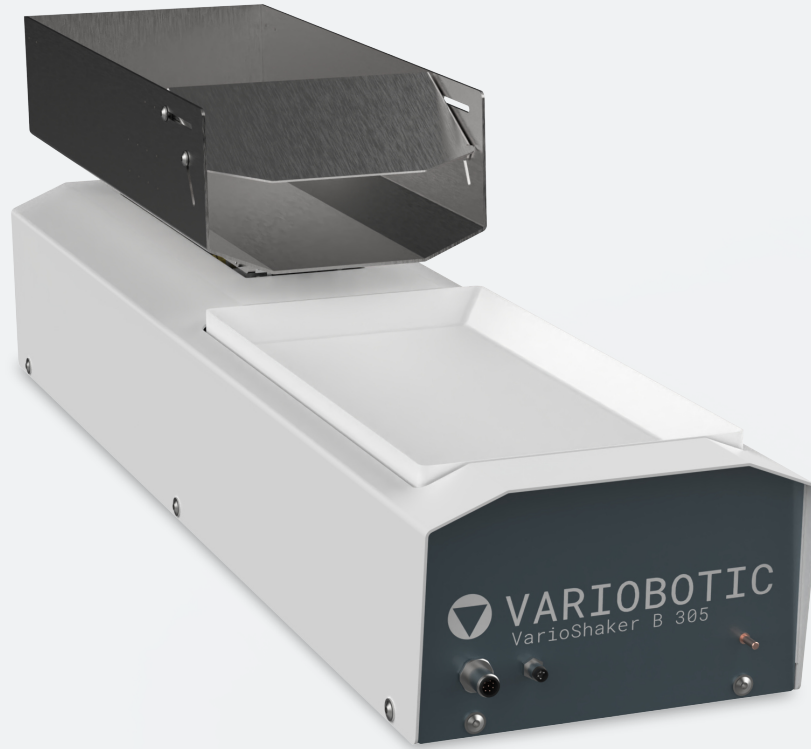


# VarioShaker B 305.

## Component separator with integrated storage bunker



Misprints and technical changes reserved. Status: 01/2023



**VARIOBOTIC**  
endless possibilities

The VarioShaker B 305 is a flexible component separator with a permanently integrated bulk storage bin, which is primarily used in the areas of pick and place and flexible feeding. Compared to conventional systems, the VarioShaker B 305 is easy to set up and configure as well as robust and uncomplicated in operation. Components with different geometries can be separated through targeted movements. In addition to a web-based configuration for intuitive operation, the VarioShaker B 305 has an I/O interface as well as a TCP/IP interface and can therefore be adapted to almost any robot.

We are available for you by mail and during our opening hours by phone.

Monday - Friday 8:30 am – 4:30 pm



**+49 731 850722 00**



**info@variobotic.de**



**www.variobotic.de**



# VarioShaker B 305.

## Technical specifications.

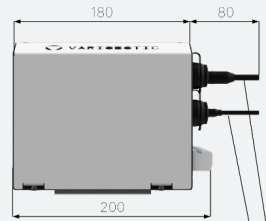
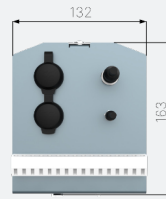
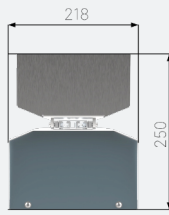
<b>Usable surface gripping area</b>	Approx. 255 × 135 mm
<b>Useful volume / weight bunker</b>	Approx. 5 l / 1 kg
<b>Material vibrating bowl</b>	POM white
<b>Vibrating bowl (transmitted light)</b>	Plain with removal bevels
<b>Recommended component size</b>	0,5 to approx. 30 mm (further part sizes possible after testing)
<b>Optional vibrating surfaces</b>	Grooves, holes, elevations, structure, recesses (can be customized to your application)
<b>Dimensions</b>	Approx. 795 × 218 × 250 mm (L x W x H)
<b>Temperature range</b>	5°C - 40°C
<b>Weight</b>	25.6 kg
<b>Software</b>	WebGUI via standard web browser (Recommendation: Chrome)
<b>Software channel shaker</b>	CH1 and CH2
<b>Software channel bulk</b>	CH3

<b>Power supply actuators</b>	+72 V / 4 A	Both power supplies are required for operation (combine mass from 24 V and 72 V) The fuse is located in the housing of the control box					
<b>Power supply control</b>	+24 V / 4 A						
<b>Ground connection</b>	0 V						
<b>Protective conductor terminal</b>	PE						
<b>Inputs 24 V DC max. 2.4 mA</b>	I_EN	Enable / Start					
	I_Bit1	Binary coded sequence selection - examples:					
	I_Bit2		<b>Bit 1</b>	<b>Bit 2</b>	<b>Bit 3</b>	<b>Bit 4</b>	<b>Bit 5</b>
	I_Bit3	Sequence 1:	1	0	0	0	0
	I_Bit4	Sequence 2:	0	1	0	0	0
	I_Bit5	Sequence 3:	1	1	0	0	0
	I_LED	Control input for transmitted light					
<b>Outputs 24 V DC max. 100 mA</b>	O_Rdy	Condition: ready					
	O_Bsy	Condition: busy					
	O_Res	Unassigned (reserved)					
	O_Bnk	Hopper on					
<b>Output 24 V DC max. 500 mA</b>	O_Top	Incident light (additional lighting, optional)					
<b>Duty cycle</b>	50 %						
<b>Further connections</b>	M12 cable (8-pin) 5 m M8 cable (4-pin) 5 m	Control line between VarioShaker and control box					
	Ethernet (TCP/IP)						
	USB	USB port for software maintenance					

<b>Scope of delivery</b>	Part separator VarioShaker B 305 with integrated bulk storage bin Control box with integrated configuration software (WebGUI per webbrowser) Shakingplate plain (in the standard scope of delivery) Connection cable: M12 8-pole (5 m) & M8 4-pole (5 m)
--------------------------	---



M12-8 pin | M8-4 pin  
Control line(s)



M12-8 pin | M8-4 pin  
Control line(s)

Note: M8-4 pin only required  
for 72 V/96 V versions

