

# TURBOTEST®

Laboratory agitator | emulsifier

MIXING SOLUTIONS  
FOR COSMETIC,  
PHARMACEUTICAL  
AND CHEMICAL  
INDUSTRIES

Develop your  
formulations in  
the laboratory

Validate your  
processes  
for industrial  
scale-up



Scan/Click to  
watch the demo



## YOUR REQUIREMENTS

- Successfully develop new products
- Develop various formulations according to the type of mixture
- Handle your laboratory equipment easily and safely
- Carry out tests, optimize your processes and analyze your results
- Efficiently develop your formulations to implement your industrial transpositions



## OUR SOLUTIONS

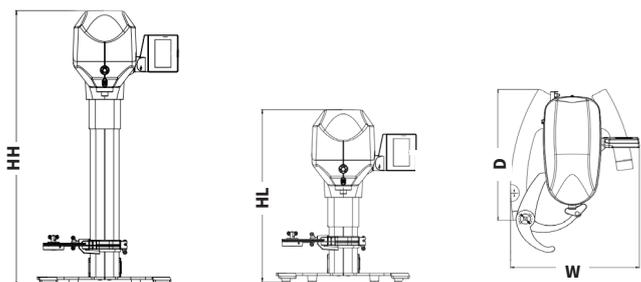
-  Bench-top agitator covering a wide range of container volumes
-  Variety of turbines for versatility of formulations
-  Ergonomic design for easy installation, setting and cleaning
-  Intuitive touchscreen interface
-  Reproducibility of process parameters for scale-up operations



**vmi**  
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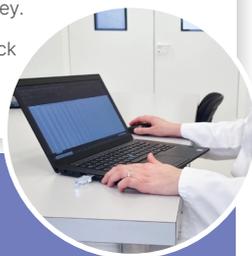


Model represented : Turbotest®Up

Type	TURBOTEST®	TURBOTEST®Up
Dimensions		
HH (high position)	849 mm	949 mm
HL (low position)	598,5mm	
W	480 mm	
D	529mm	
Useful stroke of the tool	250mm (+/- 5mm)	350mm (+/- 5mm)
Weight	26 kg	

## Go further with the Turbotest®Up

- Ergonomic control thanks to two options to lift the head: on the foot and via the touchscreen.
- Maximum height amplitude to set up large containers easily.
- 3 user modes for more versatility: Manual, 3 Speeds, Programming (up to 100 formulations of 20 phases).
- Tool selection for the formulation. Display and save tool's working position.
- Traceability of process parameters and display of curves for real-time monitoring. Data acquisition and export via USB key.
- Connectable temperature probe and data feedback on the HMI. Probe holder included.



### Main features

- Capacities: 0.25 to 20 liters
  - Container diameter: 50 to 300mm
  - Container height (ingredient addition under mixing): 270mm
  - ABS housing, anodized aluminum column, 304L stainless steel feet
  - Stainless steel beaker holder with removable silicone pads
  - Power: 0.4 kW
  - Voltage: Turbotest®: 220V – 50 Hz  
Turbotest®Up: 110/220V – 60/50Hz
  - Speed: 5 to 4,000 rpm
  - Tiltable touchscreen interface. Display of speeds, times, torque, temperature<sup>1</sup>, tools<sup>1</sup>.
  - Control of the lift via the HMI (Turbotest®) and on the foot<sup>1</sup>.
- <sup>1</sup> For Turbotest Up only

Consult the Turbines documentation to choose your mixing tool



### EFFICIENT PROCESSING

of your laboratory formulations

- Range of high-performance mixing and stirring tools
- Wide range of capacities up to 20 liters
- Rotation speed amplitude up to 4000 rpm



### VERSATILITY OF APPLICATIONS

- Diversity of available tools: radial flow turbines, axial flow propellers, rotor/stator emulsifiers...
- Easy and quick installation of mixing tools
- Use of a variety of beakers and containers: water bath, boiler, lift table, hot plate...



### ERGONOMICS AND SAFETY

- Quick installation on bench
- Symmetrical feet for better accessibility of the mixing area
- Easy clamping system for beakers and other containers placed on a bench or other flat surface
- Removable beaker holder pads and smooth surfaces for easy cleaning
- Silent electric head lift
- Beaker and tool position detection system



### PROCESS CONTROL AND REPEATABILITY

- Intuitive touchscreen user interface
- Manual mode to validate your formulations and set process parameters
- 3 speeds mode for a quick launch with saved key parameters
- Programming mode to launch pre-recorded recipes
- Display of the tool's working position
- Customization of acceleration ramps according to the viscosity of the product



### INDUSTRIAL TRANSPOSITION

- Transposition of the mixing parameters on the whole laboratory range (250 ml to 50 liters)
- Design and process parameters consistent with the pilot (Ultralab and Trilab) and production range



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