

## R&D Aerosol Deposition Chambers



Small R&D Equipment



Large R&D Equipment

<b>Size</b>	Deposition chamber: ca. 800 x 800 x 1800 mm <sup>3</sup> Pumping unit: ca. 1100 x 900 x 1600 mm <sup>3</sup>	Deposition chamber: ca. 2260 x 925 x 2290 mm <sup>3</sup> Pumping unit: ca. 1150 x 1271 x 1750 mm <sup>3</sup>
<b>Weight</b>	Deposition chamber: ca. 60 kg Pumping unit: ca. 0,8 t	Deposition chamber: ca. 1 t Pumping unit: ca 1,2 t
<b>Coating area</b>	Max. 50 x 50 mm <sup>2</sup>	Max. 50 x 300 mm <sup>2</sup>
<b>Travel distance</b>	X:100 mm Z: 30 mm	X: 350 mm Y: 50 mm
<b>Extra substrate tray for manually enhanced coating area</b>	-	300 x 300 mm <sup>2</sup>
<b>Holder for axially symmetric items</b>	-	For items 200 mm long and 10 mm in diameter
<b>Nozzles included</b>	1	2
<b>Available nozzle width</b>	30 mm, 60 mm	30 mm, 60 mm
<b>Aerosol generating unit</b>	Based on bottles	Based on bottles
<b>Number of bottles included</b>	1	3
<b>Gas hook</b>	1	3
<b>Approved gases</b>	Compressed air, oxygen, nitrogen	Compressed air, oxygen, nitrogen
<b>Distance control between substrate and nozzle</b>	Manual Not in-situ but before running the process	Electronically Not in-situ but before running the process
<b>Programmable recipes</b>	No	Yes
<b>Control</b>	Pumping unit & moving stage: electronical Process: manual	Completely electronical
<b>Additional equipment</b>	-	Stand-alone camera for process monitoring

### Contact

Heraeus High Performance Coatings  
 Heraeusstraße 12 - 14 · 63450 Hanau, Germany  
 E-Mail [hpc@heraeus.com](mailto:hpc@heraeus.com) · [www.heraeus-high-performance-coatings.com](http://www.heraeus-high-performance-coatings.com)