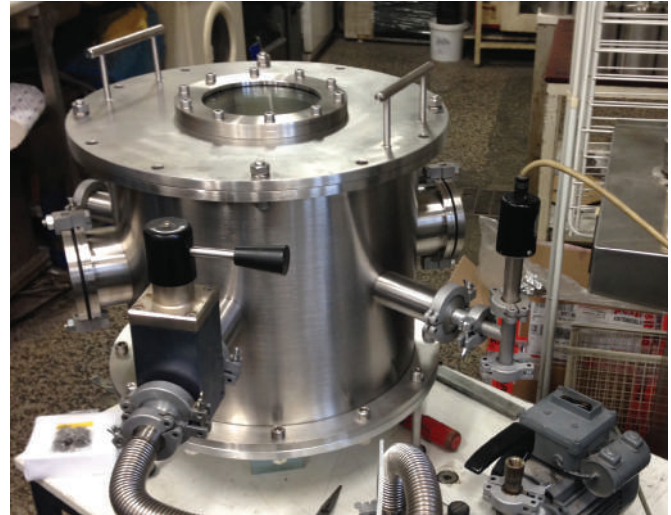


Thermal Vacuum Chamber @ SPACE-SI

SPACE-SI with its industrial partners from Slovenia has developed a range of thermal vacuum chambers to test small satellites as well as their payloads and subcomponents in simulated space environments where vacuum states are combined with thermal cycles between high and low temperature extremes. Two example products with their specifications are shown below. SPACE-SI also develops tailor-made chambers according to customers' specific requirements.



Primary



Secondary

Features

Dimensions	
Diameter 0.85m by 1m long	Diameter 0.35m by 0.35m high
Vacuum	
10 ⁻⁵ mbar	10 ⁻⁵ mbar
Thermal system	
Thermal Conditioning Unit	Peltier Cooler
Temperature range	
-70 to +140 °C	-5 to +20 °C
Control system	
<ul style="list-style-type: none"> - Control & instrumentation panel - Vacuum sensors and instrumentation - Temperature sensors and instrumentation 	
Chamber ports	
<ul style="list-style-type: none"> - SUB-D 25 pins - N-conector - SMA conector - RS-232 - View port 	