



Maintains ultra-high vacuum without power supply

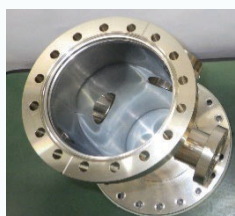
Surface modification to a vacuum chamber-type getter pump

- Lightweight vacuum chamber-type getter pump
- Functions in a power-saving, space-saving, vibration-free manner
- Maintains ultra-high vacuum for long periods of time without conventional pumps

Keywords : Ultra-high vacuum, Getter pump, Vacuum chamber, Titanium, NEG coating

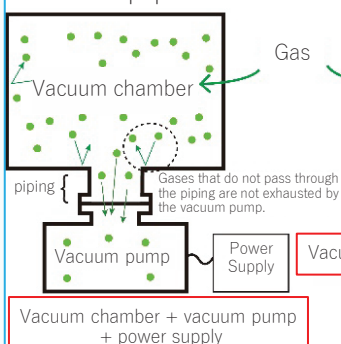
Energy-saving, space-saving, vibration-free vacuum chamber-type getter pump

Technology

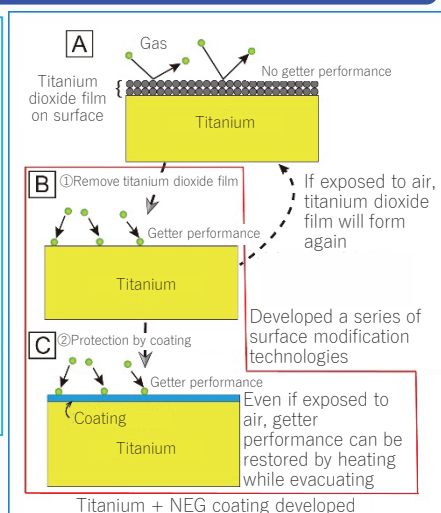
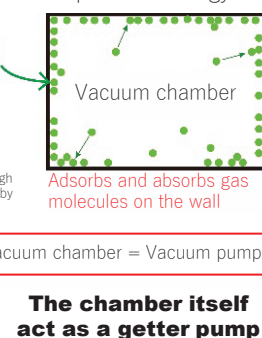


Looks like an ordinary vacuum chamber

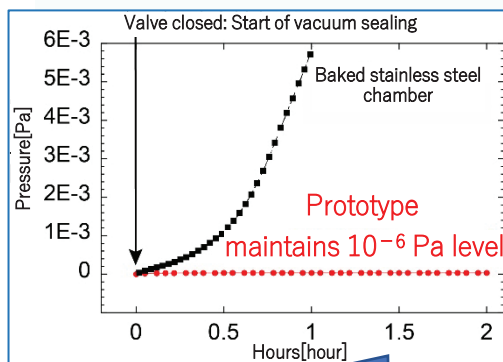
Conventional vacuum equipment



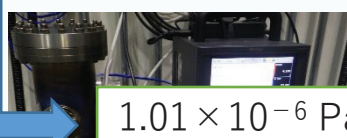
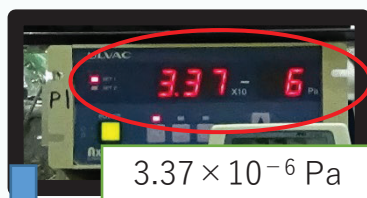
Vacuum equipment using developed technology



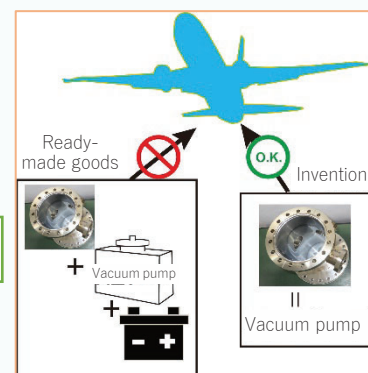
Effect



Maintains ultra-high vacuum for a long period of time without a conventional pump!



Even after about 8 months...



Enables air transportation without batteries

Stage of Technology



Fields of use

- Preserving an ultra-high vacuum during the transport of semiconductor samples
- Ultra-high vacuum for electron microscopy
- Ultra-high vacuum for analyzers

Information of intellectual property

Patent No. US11668309
Patent No. IT3945210

Technical details



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