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VACUUM CHAMBER & SYSTEM

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Vacuum Chamber & System

Vacuum Chambers

Vacuum environment is an essential ingredient in thin film coating process and surface analysis science. The quality of vacuum chambers is very important for the performance of equipment.

Htc has committed to vacuum industry since it is founded and has become a partnership with World-Class Equipment Suppliers. We have extensive experience in designing and manufacturing various customized vacuum chambers. Htc is able to provide UHV system for surface analysis science to the university laboratory. We also can design a special cooling system for the process chambers of thin film solar cell equipment which the temperature of substrate comes near to 600°C. Htc not only has a strong manufacturing process management, but we are also able to provide assembly and test service of vacuum module and system in house to reduce the lead time and logistic cost for customers.

The advantages of Htc vacuum for vacuum chambers:

1. Htc has extensive experience in vacuum industry.
2. A comprehensive range of vacuum components such as flanges, fittings, and valves in stock are ready for chamber manufacturing.
3. Pumping system is all set for chamber pumping and leak testing, and our own pump service teams can offer any assist in case.
4. Htc is able to provide assembly, system integration, and operation test that help customers to create higher values of productivity.

Htc provides various vacuum chambers to the customers in Japan, Europe, and North America and established an excellent reputation for quality. The excellent production system, stringent quality assurance process, and sufficient inventory lead Htc to achieve the high quality and accurate delivery to satisfy our customers.

Vacuum Chamber

Research & Laboratory Chamber



Research & Laboratory Chamber



Vacuum Chambers

Spherical Chamber 8"



Spherical Chamber 16"

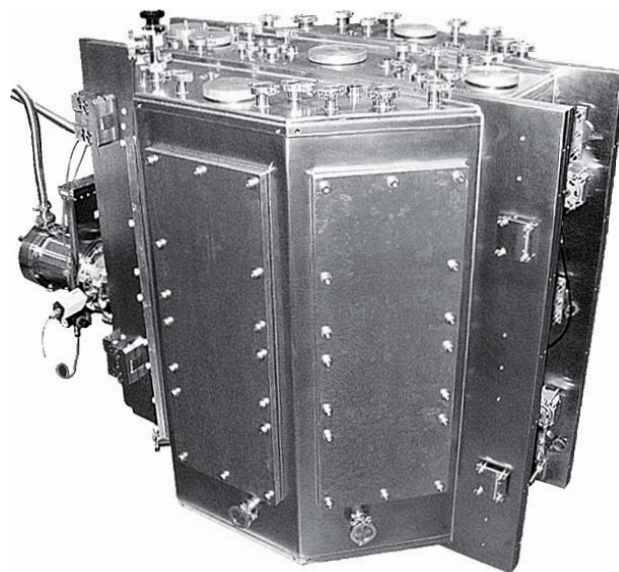


Vacuum Chamber

Ion Sputter Chamber



Double Layer Chamber for Cutting, Forming, Molding and Stamping Tools Coating



Vacuum Chambers

Cylindrical Vacuum Chamber for
Optical Technology Research
(Φ 1.8m x L 5.23m)

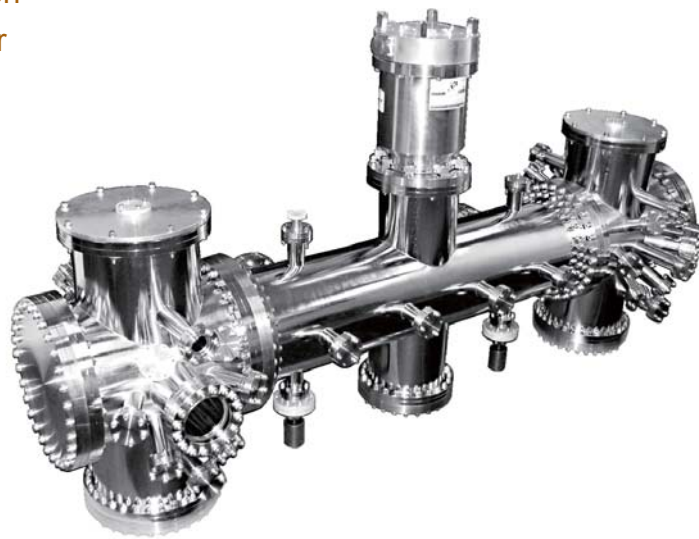


Cylindrical Vacuum Chamber

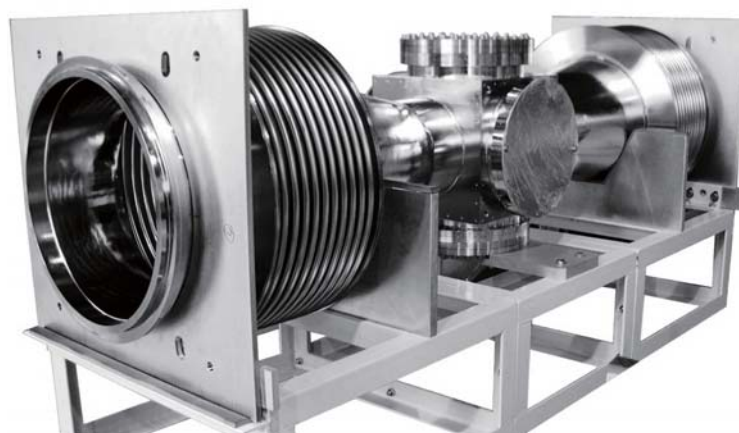


Vacuum Chamber

Synchrotron Radiation
Accelerator Chamber



Synchrotron Radiation Accelerator Chamber



Vacuum Chambers

Inline Sputter Chamber



Aluminum Chamber



Vacuum System

Vacuum Evaporation and Polymerization System



Cluster Transfer System for Flexible Substrate Coating



Vacuum System

Thin Film Solar Cell Sputtering PVD System



Inline Sputter Coating System



Vacuum System

Cutting Tool PVD
Coating System



UHV System for Surface Analysis

