



Technical resources

Acrylic glove box

Model: GBT

<https://www.tencanballmills.com/en/products/glove-box/acrylic-glove-box.html>

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Acrylic glove box

Model: GBT

Acrylic vacuum glove box enables safe sample handling and operation in an inert, oxygen-free, moisture-free environment for precise scientific experiments.

Technical specifications

Material	Organic glass / acrylic
Leak rate	2 stages
Chamber wall thickness	10~35mm

These specifications describe the series. Confirm the selected model, power supply and configuration before ordering.



Technical parameters

Plexiglas glove box model

Glove box number description

GBT Product code (Transparent Glove Box)

10 Material thickness (optional 10---30mm)

A Dimensions and models (Type A, Type B, Type C, Type D)

Product model	Box size (mm)	Material	Cabinet thickness (mm)	Transition room dimensions	Remark
GBT-10A	700×450×500	Plexiglass or acrylic	10	none	Isolated and dust-proof, no vacuuming
GBT-15A			15	240×240×240	Micro vacuum can be equipped with water and oxygen removal purification system
GBT-30A			30		Vacuum to -0.1MPA, replace oxygen and water
GBT-10B	1000×500×500	Plexiglass or acrylic	10	none	Isolated and dust-proof, no vacuuming
GBT-15B			15	240×240×240	Micro vacuum can be equipped with water and oxygen removal purification system
GBT-30B			30		Vacuum to -0.1MPA, replace oxygen and water
GBT-10C	1200×600×600	Plexiglass or acrylic	10	none	Isolated and dust-proof, no vacuuming
GBT-15C			15	240×240×240	Micro vacuum can be equipped with water and oxygen removal purification system
GBT-30C			35		Vacuum to -0.1MPA, replace oxygen and water
GBT-10D	1200×800×700	Plexiglass or acrylic	10	none	Isolated and dust-proof, no vacuuming
GBT-15D			15	240×240×240	Micro vacuum can be equipped with water and oxygen removal purification system
GBT-30D			35		Vacuum to -0.1MPA, replace oxygen and water

Special customization



Material



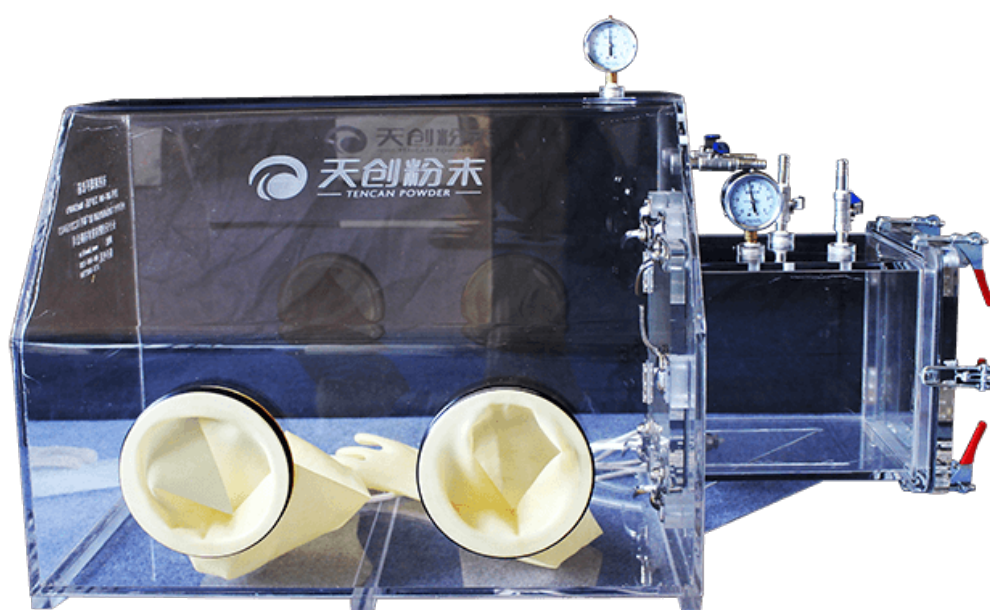
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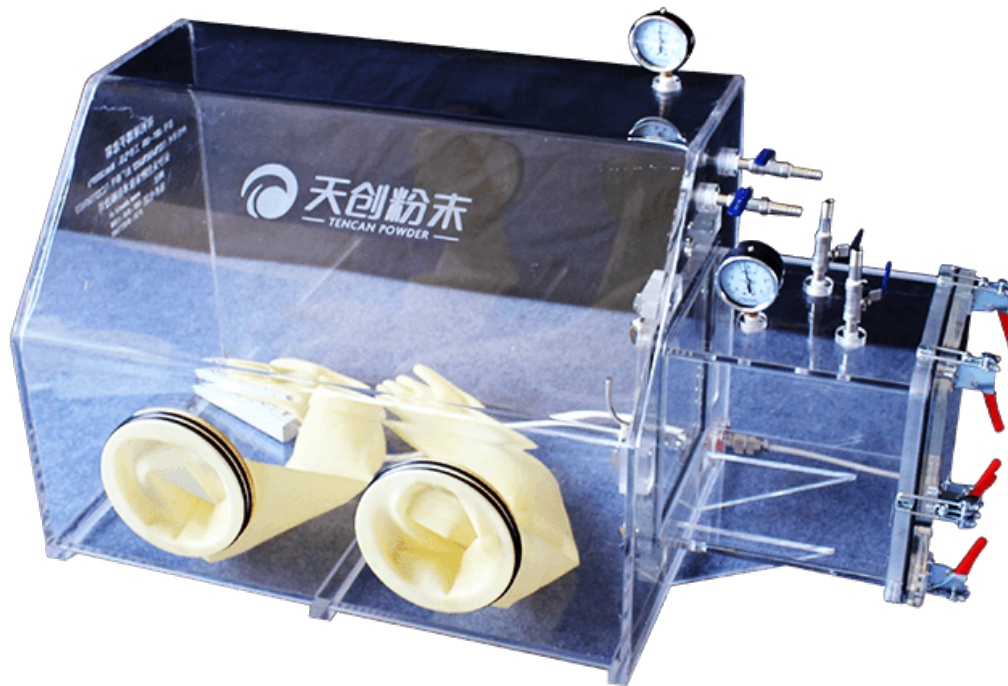


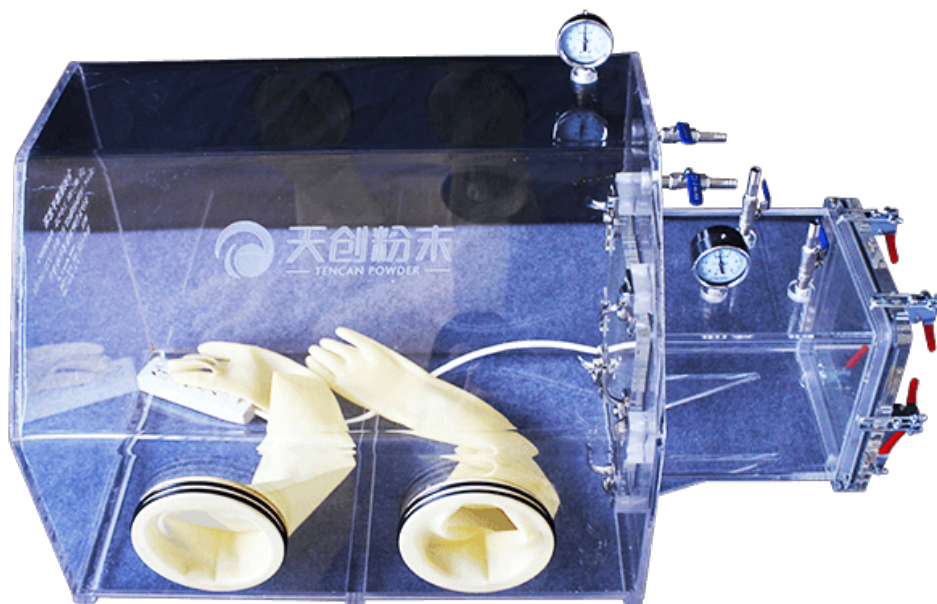
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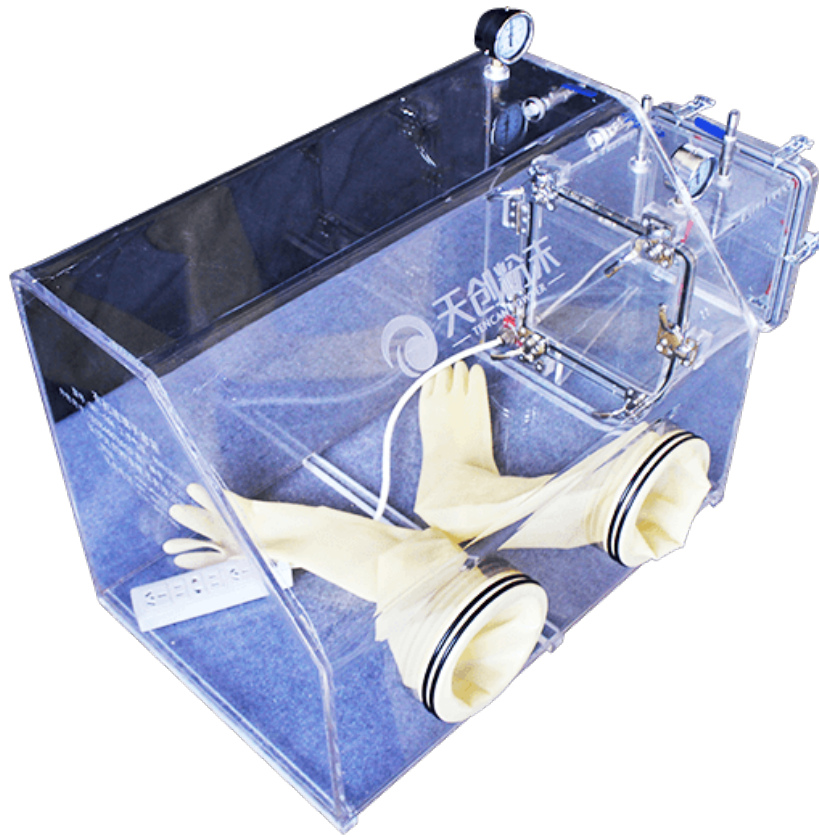


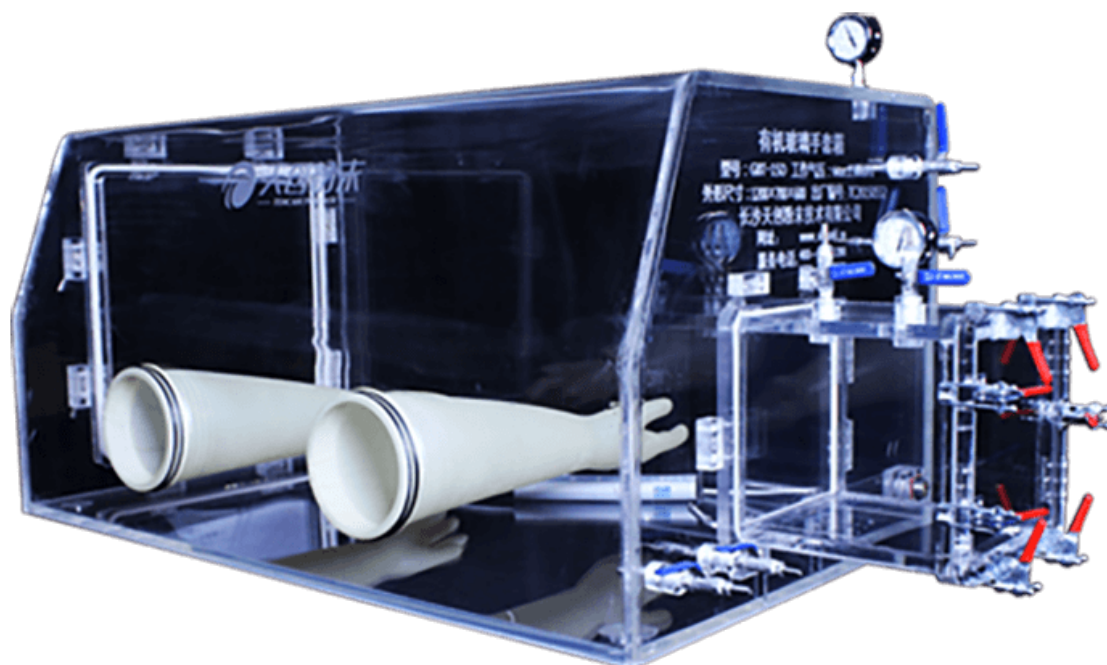
Other customization requirements

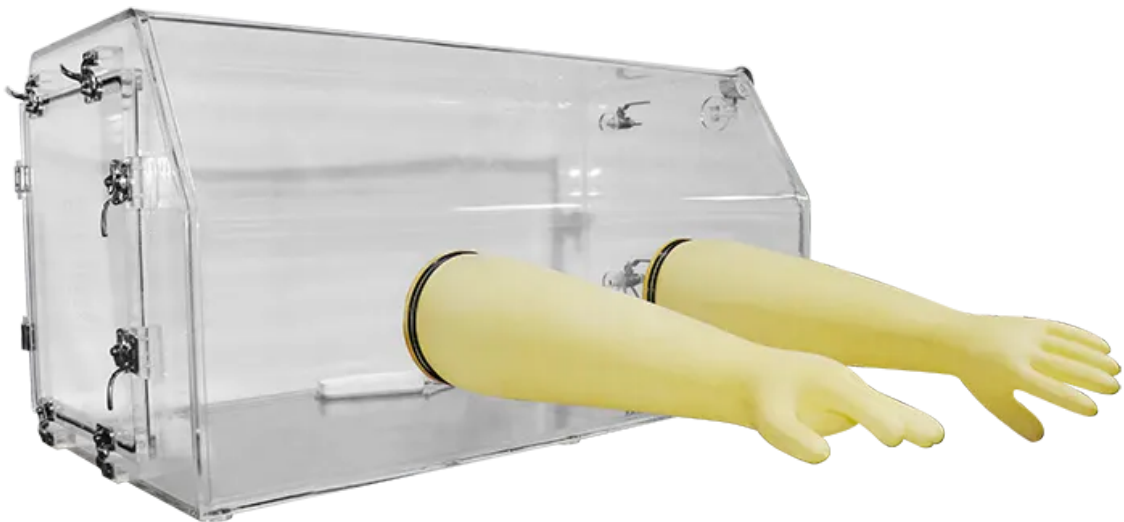
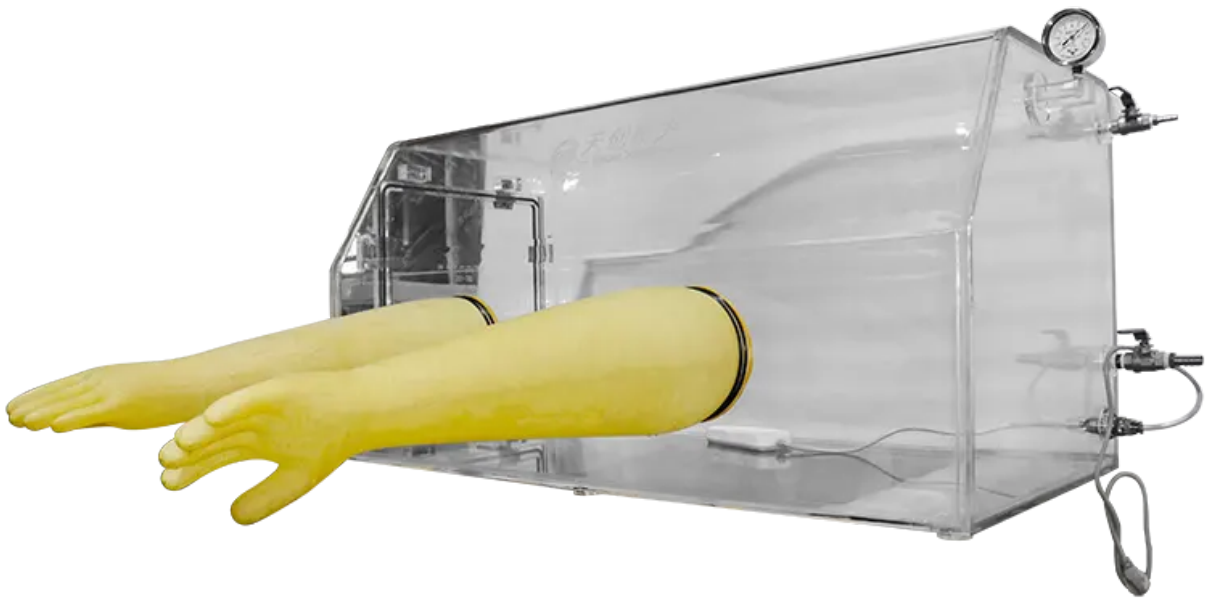




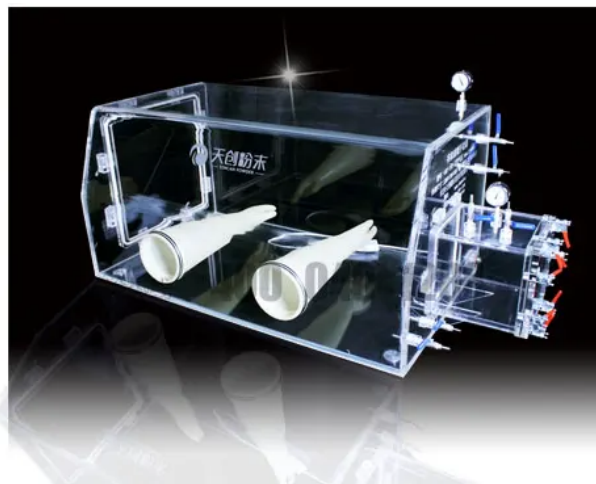
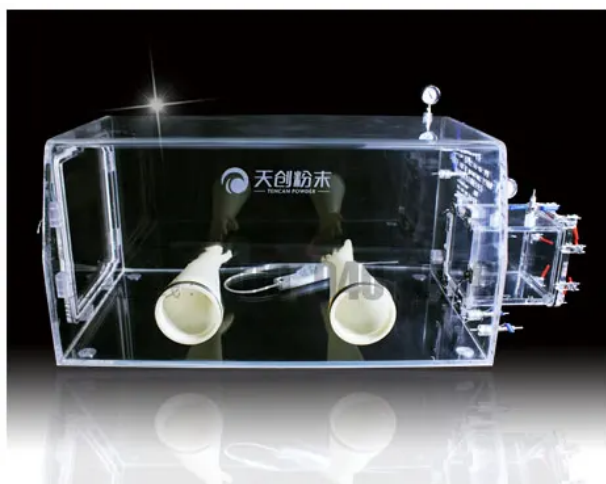








During scientific experiments, some substances are easily oxidized and deliquesced in the atmosphere, which makes the chemical reaction of the test substance and the pre-processing of the sample very difficult, affecting the test process and test results. The plexiglass vacuum glove box (also known as the vacuum inert gas operating box) effectively solves these problems. This device allows the test samples to be safely put in and taken out, and can be operated, reacted and tested freely in an oxygen-free and water-free state, ensuring the normal conduct of scientific experiments.



- 01** It has a simple structure, is easy to use, can transmit UV light, and is lightweight.;
- 02** Under normal conditions, its shape is stable, highly transparent, and resistant to chemical corrosion and climate change.;
- 03** The box is equipped with multi-hole electrical sockets to facilitate scientific experiments.;
- 04** It has good sealing performance and can shield and absorb α -rays and low-energy β -rays emitted by radioactive materials to protect human tissue from damage by ionizing radiation. Therefore, it can cooperate with scientific research units in conducting experimental work on low-energy radioactive substances, aseptic operations on microbial inoculation, and qualitative and quantitative analysis of chemicals, and other related closed isolation operations, all of which can be performed in the operation box.

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Before operation, review the selected model's instructions and the material requirements.