



INDUSTRIAL DEVICES & SOLUTIONS



GLOVE BOX MODELS WITH PURIFICATION UNIT

PRE-CONFIGURED GLOVE BOX MODELS

NGB-010-10

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- MODULAR GLOVE BOX WITH 4 GLOVES ON EACH SIDE.
- AUTOMATED ANTECHAMBER.
- PURIFICATION UNIT.
- <1PPM H₂O / O₂



NGB-100-10

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- MODULAR GLOVE BOX WITH 4 GLOVES AT ONE SIDE.
- INTERNAL SHELVES.
- AUTOMATED ANTECHAMBER.
- PURIFICATION UNIT.
- <1PPM H₂O / O₂



NGB-110-21

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- MODULAR GLOVE BOX WITH 4 GLOVES ON EACH SIDE AND ANOTHER 4-GLOVED MODULE, JOINED TOGETHER BY A CENTRAL ANTECHAMBER.
- ANTECHAMBER AT BOTH ENDS.
- PURIFICATION UNIT.
- <1PPM H₂O / O₂



NGB-200-10

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- CHAMBER COMPOSED BY TWO 4-GLOVED MODULES.
- INTERNAL SHELVES.
- AUTOMATED ANTECHAMBER.
- PURIFICATION UNIT.
- <1PPM H₂O / O₂



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- CHAMBER COMPOSED BY TWO 4-GLOVED MODULES.
- INTERNAL SHELVES.
- PURIFICATION UNIT.
- <1PPM H₂O / O₂



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- MODULAR GLOVE BOX COMPOSED BY TWO 4-GLOVED MODULES, JOINED TOGETHER BY A CENTRAL ANTECHAMBER.
- ANTECHAMBER AT BOTH ENDS.
- PURIFICATION UNIT.
- <1PPM H₂O / O₂



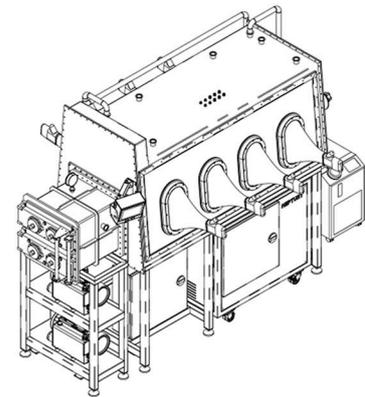
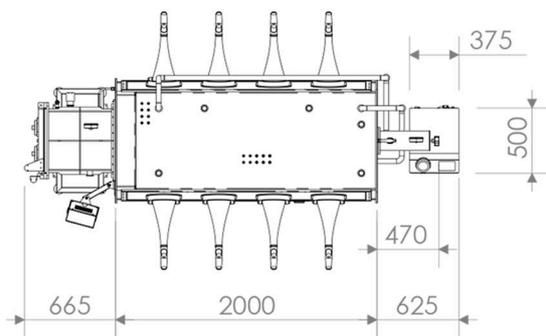
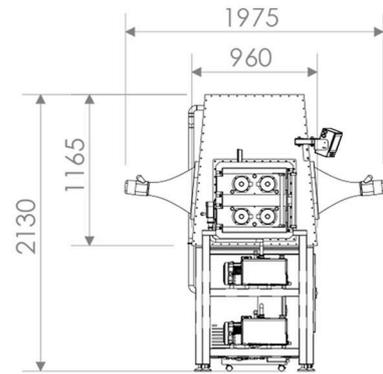
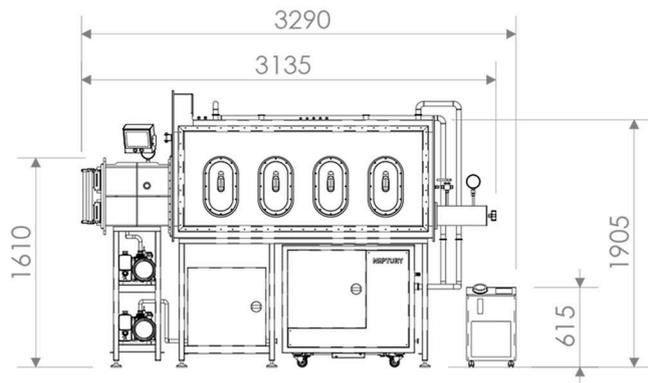
GLOVE BOX NGB-010-10



MAIN FEATURES



- System operation by closed-loop air recirculation.
- Controlled atmosphere with high capacity H_2O-O_2 purification.
- Automatic purification unit regeneration.
- Regeneration gas $Ar+5-10\%H_2$.
- Automatic control of air flow rate and pressure.
- Configurable touch-screen PLC.
- 1 chamber with 4 gloves on each side.
- 1 antechamber with semi-automatic outer door and automatic inner door, both including pneumatic closure.
- 1 manual mini antechamber.
- Butyl gloves with leakless exchange proceeding.
- ISO KF Connections.
- Inner LED lighting.
- Materials quality: Steel AISI304, AISI316, Aluminum AL-5083.
- Customizable design according to installation requirements.

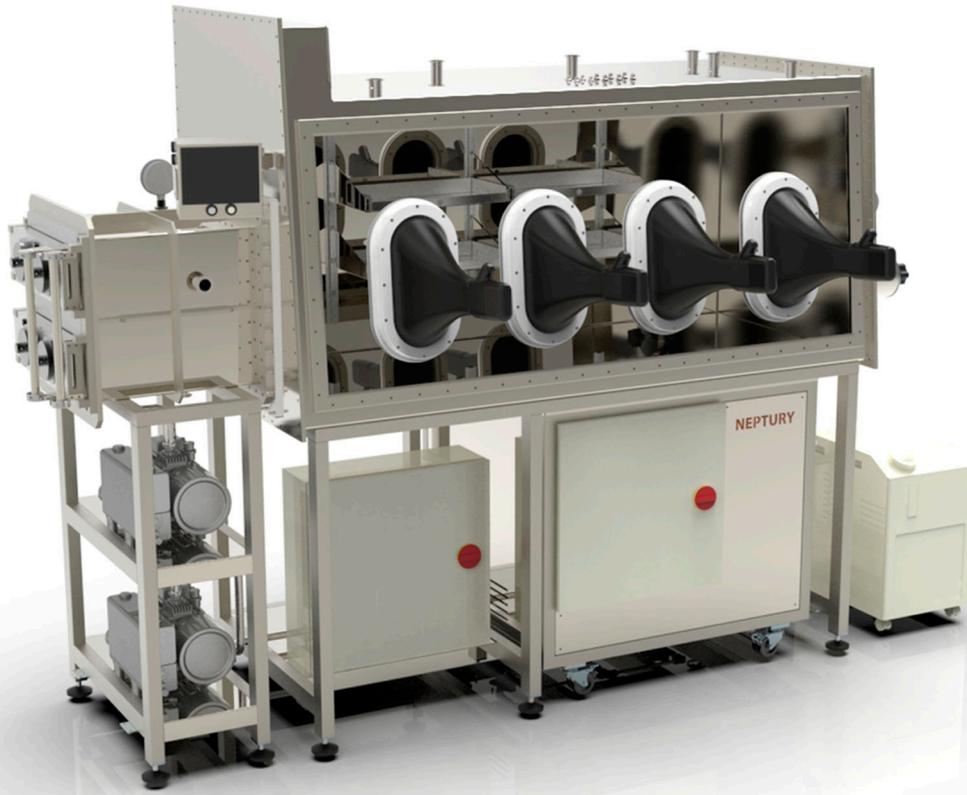


APPLICATIONS

- ▲ Chemical industry.
- ▲ Pharmaceutical industry.
- ▲ Li-ion, Li-metal and other types of batteries assembling and investigation.
- ▲ Development, study and research of perovskites.
- ▲ Welding of titanium parts.
- ▲ Additive manufacturing.
- ▲ Integration of industrial robots.
- ▲ Aeronautical industry.
- ▲ Quality control.



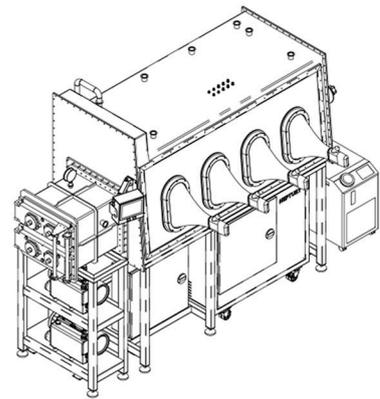
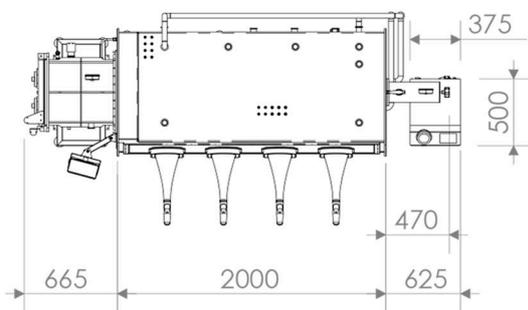
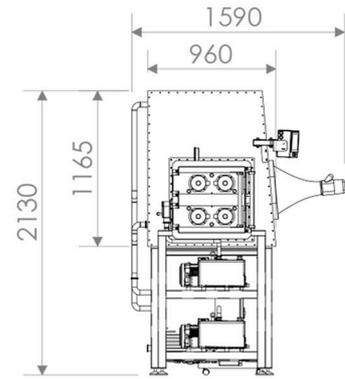
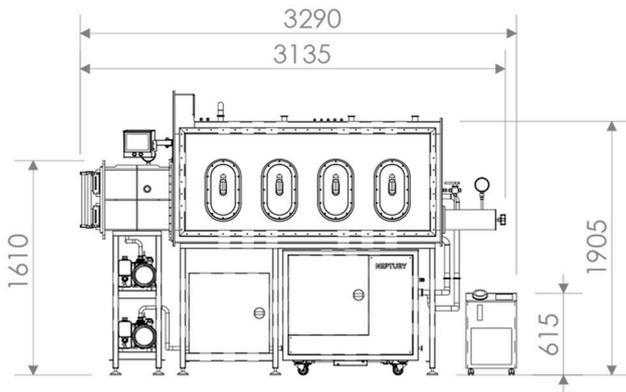
GLOVE BOX NGB-100-10



MAIN FEATURES



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- Controlled atmosphere with high capacity H₂O-O₂ purification.
- Automatic purification unit regeneration.
- Regeneration gas Ar+5-10%H₂.
- Automatic control of air flow rate and pressure.
- Configurable touch-screen PLC.
- 1 chamber with 4 gloves at one side.
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- Inner shelves.
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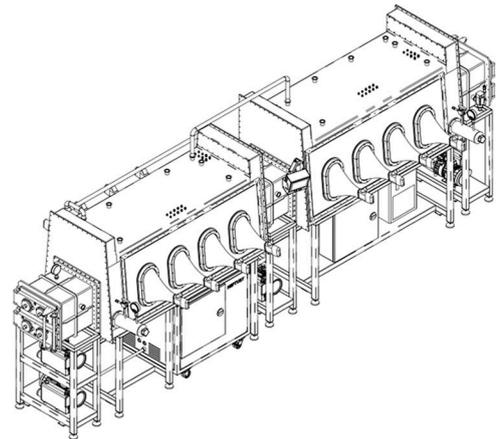
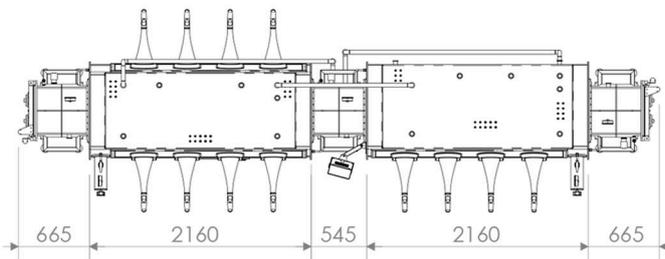
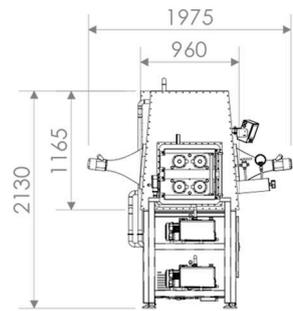
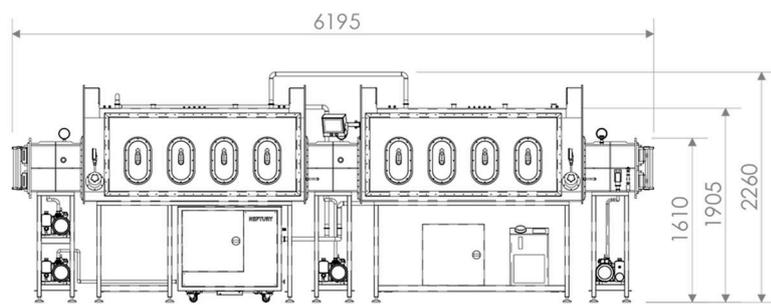
GLOVE BOX NGB-110-21



MAIN FEATURES



- System operation by closed-loop air recirculation.
- Controlled atmosphere with high capacity H₂O-O₂ purification.
- Automatic purification unit regeneration.
- Possibility of implementation of two different recirculation lines in order to keep a different atmosphere in every chamber.
- Regeneration gas Ar+5-10%H₂.
- Automatic control of air flow rate and pressure.
- Configurable touch-screen PLC.
- Chamber with 4 gloves on each side joined to a 4-gloved module, both independently managed.
- 2 antechambers with semi-automatic outer door and automatic inner door, both including pneumatic closure.
- Connection antechamber between both modules with automatic doors and pneumatic closure.
- 2 manual mini antechambers.
- Butyl gloves with leakless exchange proceeding.
- ISO KF connections.
- Inner LED lighting.
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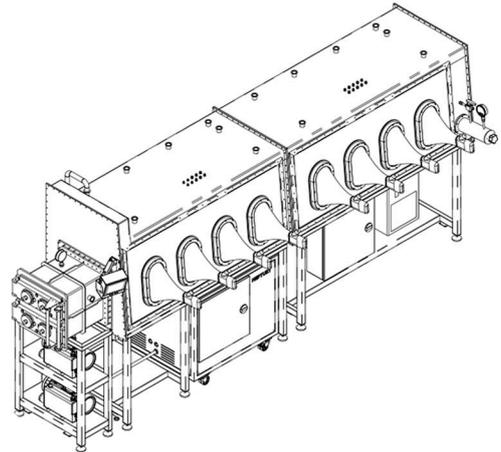
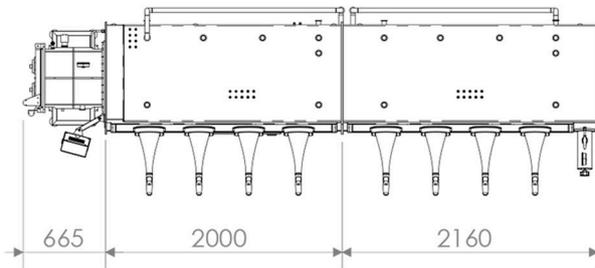
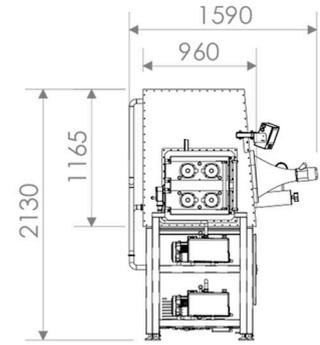
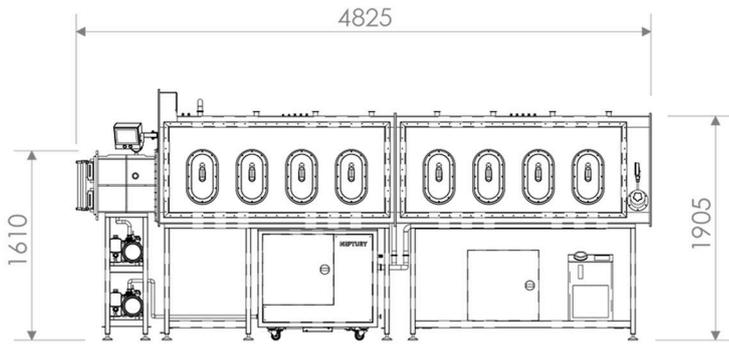
GLOVE BOX NGB-200-10



MAIN FEATURES



- System operation by closed-loop air recirculation.
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- Automatic purification unit regeneration.
- Regeneration gas Ar+5-10%H₂.
- Automatic control of air flow rate and pressure.
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- 2 chambers with 4 gloves each, managed jointly.
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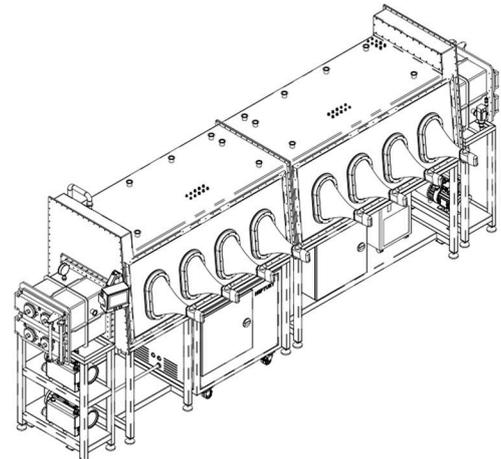
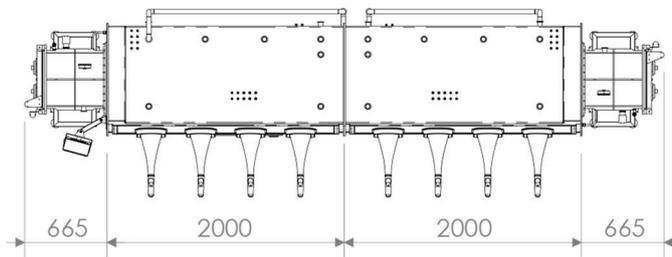
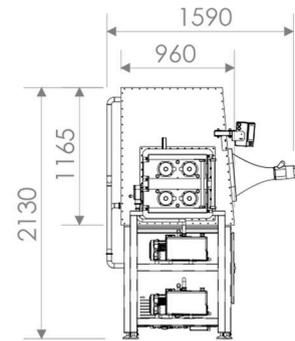
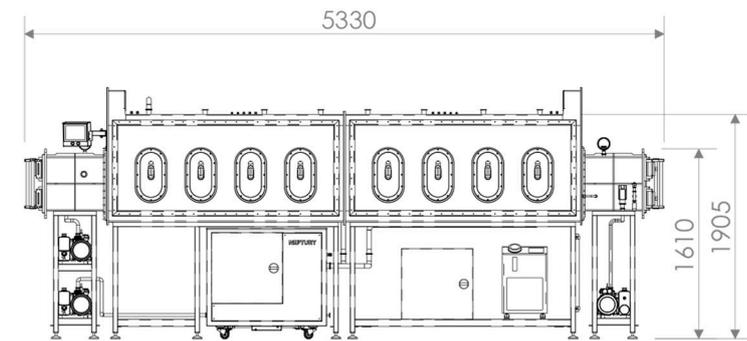
GLOVE BOX NGB-200-20



MAIN FEATURES

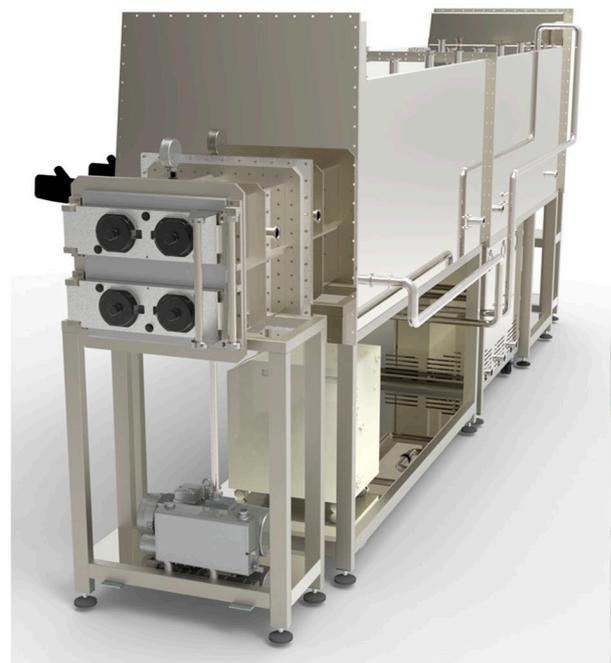


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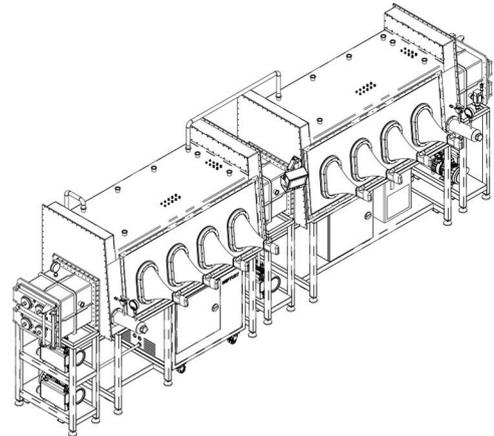
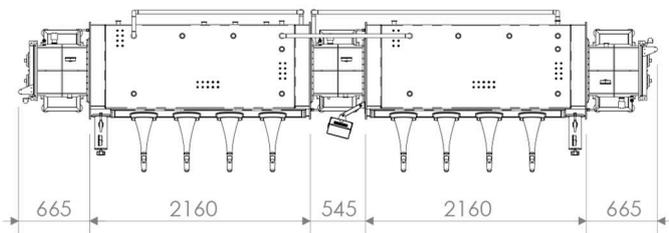
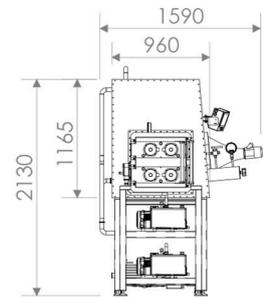
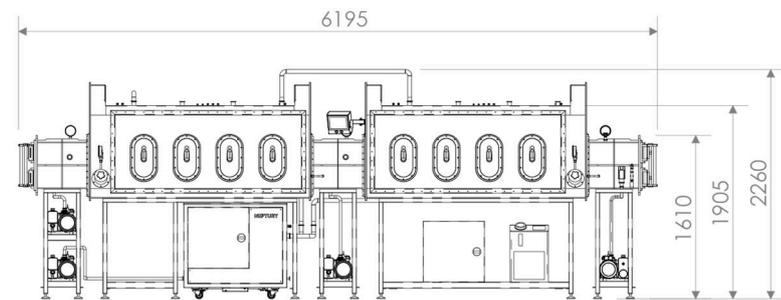
GLOVE BOX NGB-200-21



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PROJECTS



1-Connection antechamber between glove box and dry room of 200m².



2-Automated 12m glove box connected to a dry room of 200m².



3-Example of automated tooling for battery cells manufacturing inside a glove box.



4-Antechamber with semi-automatic outer door and automatic inner door, both with pneumatic closure.



5-Glove box with H₂O y O₂ purification unit.



6-Glove box used in an application of battery manufacturing.

PROJECTS



7-Glove box with purification unit.



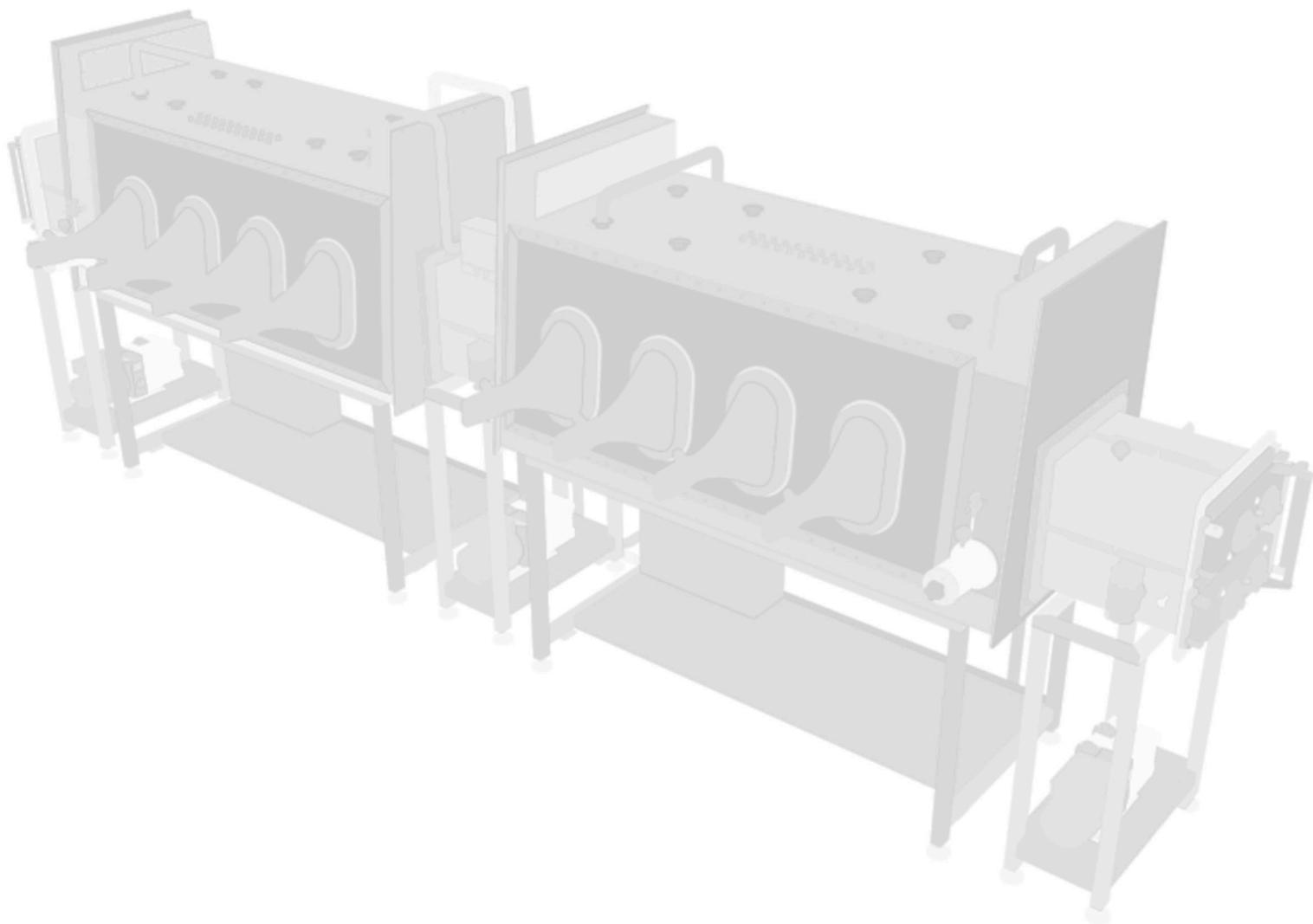
8-Purification unit with independent touch-screen PLC control.



9-Automated connection antechambers.



10-Large capacity filtering unit to decrease humidity levels in a dry room of 200m³.



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