TNG

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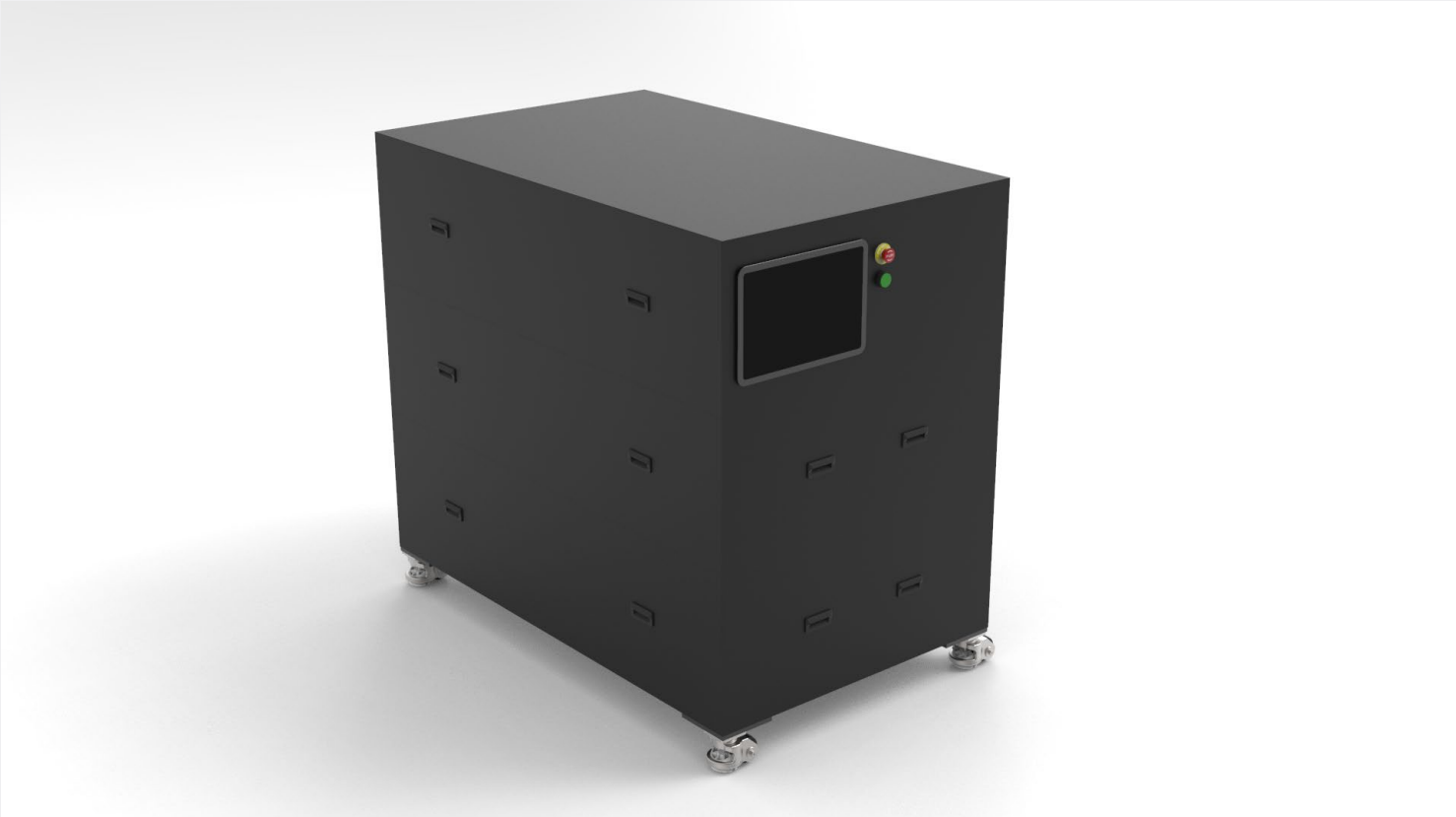
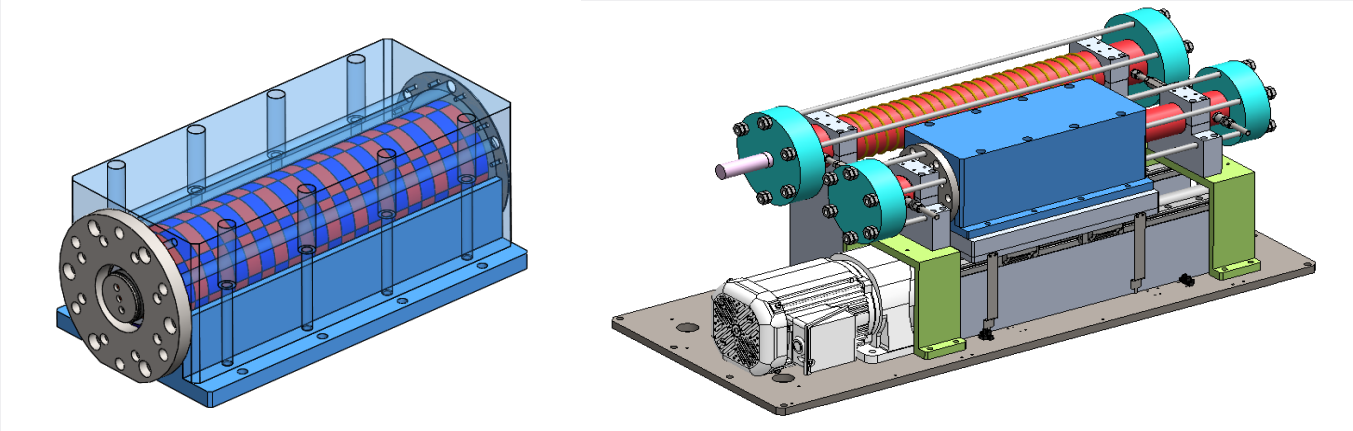
# Magnet Compressor
# TNG-SY 900



## What is magnet compressor

1. Magnet compressor uses strong attraction generated at the N and S poles of a permanent magnet.



- This is the principle that the magnet outside the cylinder driven by the motor drives the inner magnet with strong magnetic force to compress t he gas inside the cylinder.

## How to make high pressure as 900 bar

- Magnet gas compressor uses a multi-stage compression method, and depending on the purpose of use, it can create high pressure with a smal l system using solenoid valves and middle range gas tanks.

-For more information, please contact us by e-mail or request a visit, we will provide detailed explanations after your visit.

# Q&A For Magnet Compressor

| Question | Answer |
|---|---|
| Is it a hydraulic compressor? | No hydraulic pressure is used. |
| With what force do you compress the gas ? | It is compressed by the force of a ball screw driven by a motor. |
| What is the cooler capacity required for the system? | Discussion is requireed, but a freezer within 5Kw is sufficient. |
| How much time do you need to compress to 900 bar? | It is determined according to the pressure and capacity of the gas supplied to the compressor. We will inform you during the specification consultation process. |
| How much is the system cost ? | It is determined by the specifications of the product. At TNG, we are committed to providing innovative prices. |
| What are the safety specifications for high pressure compressors ? | Observe the safety specifications of the place where the high pressure _compressor is installed. |
| What is the capacity of the motor used ? | It depends on the required specification, but it is about 3 to 8 kw. |
| How much time do you need for production, commissioning, and delivery? | It is changed according to specifications, but it is 3 to 4 months. |
| | |

## Important Features of Magnet Compressors

| Item | Specification |
|---|---|
| Energy efficiency | Energy efficiency is high because the gas is directly compressed by mechanical forces without hydraulic pressure. |
| Compression efficiency and durability | Because high-pressure sealing is not used, it is less leakage and more durable when compressed. |
| Compact System Layout | System Layout is compact and does not require a large freezer because it does not use hydraulic pressure. |
| Simplicity of structure | Very few parts of the system are configured less than 30EA. And there is one type of sealing used, which is highly durable and easy to maintain. |
| Pure gas | Non-contaminated gas can be obtained because no separate lubricant is used on the piston inside the cylinder. |

## Reference Specification

| Item | Specification | Remark |
|---|---|---|
| Type of gas being compressed | Nitrogen / Gas status | |
| Maximum compression pressure | Max 550 bar | |
| System Layout | 1884(W)x1184(D)4x1710(H) mm | |
| Supply Gas Pressure | 200bar | |