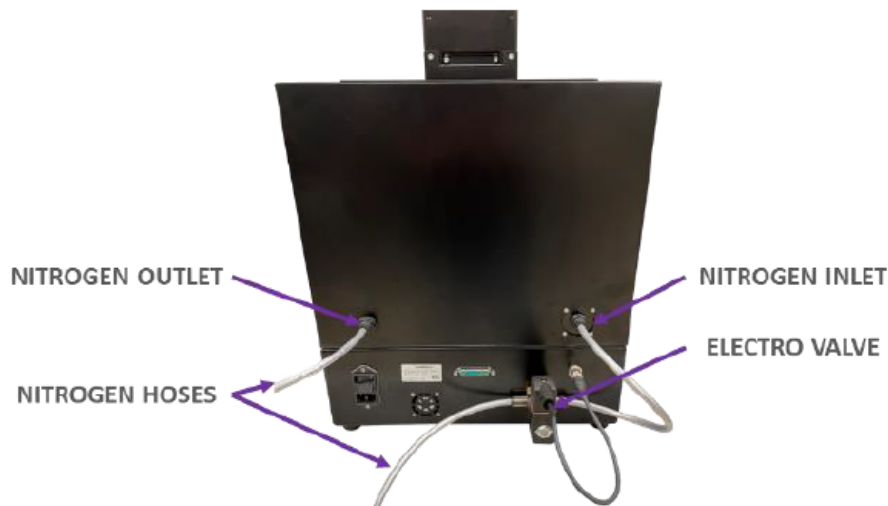


## UV curing in an inert atmosphere with CHAMBER-N2

In many processes, working under a nitrogen atmosphere or other inert conditions has several advantages :

- **Better Surface Quality:** Working under nitrogen helps reduce surface defects and enhances the overall finish.
- **Effective for Temperature-Sensitive Materials:** Nitrogen helps stabilize the curing environment, making it suitable for heat-sensitive substrates.
- **Increased Productivity:** Inert conditions allow for faster curing, speeding up processus.
- **Energy Savings:** Lower UV doses are needed for curing, resulting in energy savings.



At UWAVE, we have integrated these benefits into the design of our new **CHAMBER-N2**. This chamber has been engineered specifically to manage nitrogen flow and offer protection during the curing process :

- **Nitrogen Circulation:** CHAMBER-N2 allows the circulation of nitrogen into the curing chamber through specific fittings and secured electro-valve installation.
- **Mechanical Adaptations:** The chamber is equipped with 8mm tube diameter fittings to facilitate coupling with inert gas source.

- **Advanced Safety Features:** The nitrogen flow is automatically stopped if the chamber door is opened unexpectedly, ensuring safe operation at all times.

**CHAMBER-N2** provides an optimal environment for achieving high-quality results while ensuring energy efficiency and operator safety. Whether you are curing sensitive materials or looking to improve surface curing, the UV Chamber is designed to meet your needs.

**[See all available options for the UV Chamber, including the N2 feature, by clicking here.](#)**

**[Are you looking for customized UV LED lighting solutions?](#)**

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