Current Industry Challenge

Typically when designing an equipment for processes that requires a vacuum environment, tool manufacturers would make the factory interface vacuum as well. There are certain implication with this measure.

- Robot in the factory interface must be operational in a vacuum environment
- Increases overall tool cost

The Solution: ANTLIA™ Universal Linear Vacuum Transfer Module

Our tool gives a simple solution by being a buffer between an atmospheric and vacuum environment. Essentially a load lock designed to provide linear transfer of wafers safely and efficiently.

FEATURES & BENEFITS

- Aligned with Industry 4.0 standards, applicable to existing chambers and Fl.
- Able to remodify new tools with smaller footprint and more efficient ergonomics.
- Drastically reduce processing time by cutting 12 processes to 10 processes.
- ISO 5 CLASS 100 -minimizes particle generation with our ISO 5 Class 100 clean room standards.