Advanced Waferhandling.Solutions

.Solutions and .Products for substrate handling in vacuum robotics and glovebox systems

www.waferhandling.solutions
Adenso presents six new solutions, including three world firsts relating to Wafer Handling Module WHM 330X.

1. **STEALTH CARRIER**
   for CRYOGENIC environments
   The special carriers have virtually no heat signature and are therefore particularly well suited for environments with liquid gas such as helium down to 4.2 K. For all kinds of substrates: 300 – 50 mm wafers, glass/ceramic/sapphire substrates, devices/chips, ...

2. **WHM330X4 handling robot**
   with up to 4 end-effectors
   (so far, a maximum of 2 EE for handling robots was customary in the market)
   For higher throughput and productivity and maximum flexibility, as different types of EE can be installed (wafers, carriers, cassettes, …)

3. **FOUP300 VAC LoadPort**
   for loading 300 mm wafers into cluster systems directly and without (!) the previously common atmospheric handling robot – saves 80% of cleanroom space and investment costs.

Together with the presentation of the new WHM300X wafer handling module and thus the extension of the production series specifically for 300 mm wafers in the vacuum environment, Adenso presents six further new products in this system, including three world premieres.

4. **LLM330 load lock module**
   for 300 mm wafers/magazines

5. **WAM300 wafer alignment module**
   for automatic wafer alignment within the vacuum environment

6. **MLL330 manual load lock**
   for manually loading/unloading substrates that can be equipped with heating/cooling chucks for pre-/post-tempering
Three world firsts in wafer handling
Adenso turns your demands into action.

The Adenso modular world of Advanced Waferhandling.Solutions:

Basic layout + WHRobot + WHModule + Load Module + Specifications

Results in: A product with defined interfaces that is ready for use and tailored to your needs.

Wafers and large-area substrates, load as you need, longest reaches in the market.

The holistic concept of creativity, customer focus, process optimisation and the continuous exchange of experiences constitute the cornerstone of the Adenso corporate philosophy.