

CHAD FILM-FRAME HANDLER SERIES (FFHS)

Cost-Effective Automated Film-Frame Handling for Advanced Semiconductor Packaging



System Overview:

The CHAD Film-Frame Handler delivers significant performance and cost savings for fully automated film-frame handling for back-end metrology and process modules. The FFHS supports film-frames sizes for wafers up to

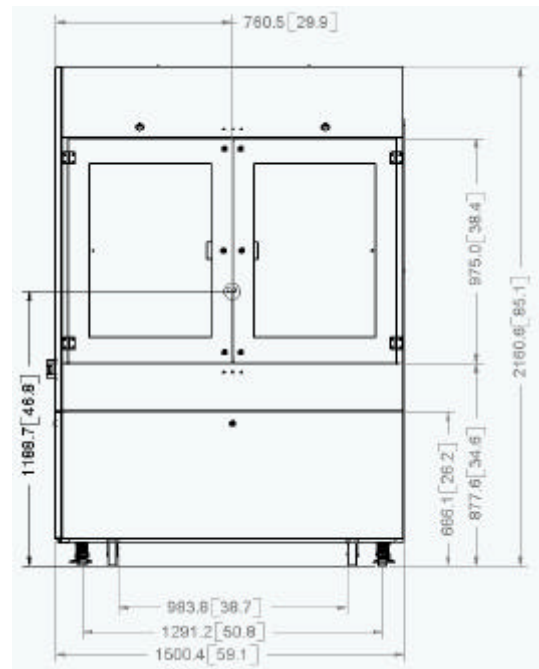
300mm . Designed initially for automatic load/unload of metrology tools, the CHAD Film-Frame Handler FFHS can provide fast swap times to maximize utilization of any type of process tool. Application flexibility, speed, and bulletproof reliability – together with plug-and-play ease of use – ensure the CHAD Film-Frame Handler will meet your most aggressive film-frame handling needs.

This new CHAD Film-Frame Handler FFHS-series is a modular design featuring the capability to handle 200 mm and 300 mm wafers mounted on film-frames, compatibility with overhead transfer (OHT) and personal-guided vehicle (PGV) mechanisms, as well as barcode, RF tag reader, film-frame cassette mapping, and film-frame protrusion options. This level of modularity, programmability, and a full range of standard and custom options allow the new CHAD Film-Frame Handler FFHS-series to evolve with your film-frame handling needs for years to come.

Key System Features:

- Support for both 200 and 300mm wafers mounted on film-frames
- High capacity – up to 50 film-frames in a single load

- As fast as 4 sec/film-frame swap time (dual arm model) 12 sec for single-arm model
- Adept Controller with Adept V+ and AIM SemiWare software
- Two independently interlocked load ports
- Cassette presence, size, height sensing
- Adept IEEE-1394 FireWire-based distributed control network for high reliability and scalability
- Adept SmartModules robotic handling systems
- Designed for compliance with both CE and SEMI S2/S8



Key System Options:

- Cassette mapping/protrusion detection
- RF tag reader
- Barcode reader
- PTFE Ultra Low Particle Attenuation (ULPA) clean air source for Class 10 Cleanliness operation
- SECS/GEM software interfaces for communication with factory automation

FOR MORE INFORMATION:

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