



LEADING THE WAY OF INNOVATION

Milara EFEM Series

Full Line-up



STANDARD EFEM

- Designed for exceptional performance while reducing overall EFEM cost.
- One or two 300mm Load Ports configuration.
- High-throughput and reliable Milara single or dual-arm robot for fast wafer swapping.
- Full line of autonomous Milara Prealigners centering from 50mm to 300mm wafers.
- Optional Fan Filter Unit with efficiency according to customer's specification.
- Optional OCR integrated within the prealigner module, reliably tracking IDs on both sides of the substrate.
- Compliant with SEMI S2, S8 and CE standards.



CUSTOMER SOFTWARE INTEGRATION

Milara provides the drivers, manuals and support for all equipment and the software integration is performed by the customer.

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PARTIAL SOFTWARE INTEGRATION

Milara provides a CIMETRIX-based software package featuring scheduling and sequencing functionality, along with a configurable interface designed for easy integration and communication with the semiconductor process tool.



STANDARD PLUS EFEM

CUSTOM EFEM



- Includes all features of the Milara Standard EFEMs with additional options for customization according to the customer's needs.
- Up to seven wafer or film frame Load Ports configuration.
- Up to 3 Wafer handling robots within the EFEM frame for maximizing efficiency and throughput.
- EFEM can be configured as a "bridge tool" for FOUPs and up to 24 open cassettes for 100mm to 200mm wafers.
- Option to integrate process module, measurement or inspection equipment within the EFEM frame.
- Integration of a Clean Linear track with linear motors for improved efficiency and throughput.
- Additional vibration isolation, ensuring independence from any type of wafer processing, inspection and measurement.
- Full line of autonomous Milara Prealigners centering from 50mm to 300mm wafers.
- Optional Fan Filter Unit with efficiency according to customer's specification.
- Optional OCR integrated within the prealigner module, reliably tracking IDs on both sides of the substrate.



FULL SOFTWARE INTEGRATION

Milara will develop software to operate the EFEM and seamlessly integrate with customer process modules, ensuring compatibility and precision. The process module equipment, hardware, software, and control logic will be tailored by Milara to meet customer-specific requirements. The software will include customizable recipes aligned with process module logic, fully supporting all required SEMI standards for maximum efficiency and compliance. Throughout development, Milara will collaborate closely with the customer to refine and optimize the software for each process module, ensuring it aligns perfectly with operational needs and industry specifications.

Semiconductor Automation

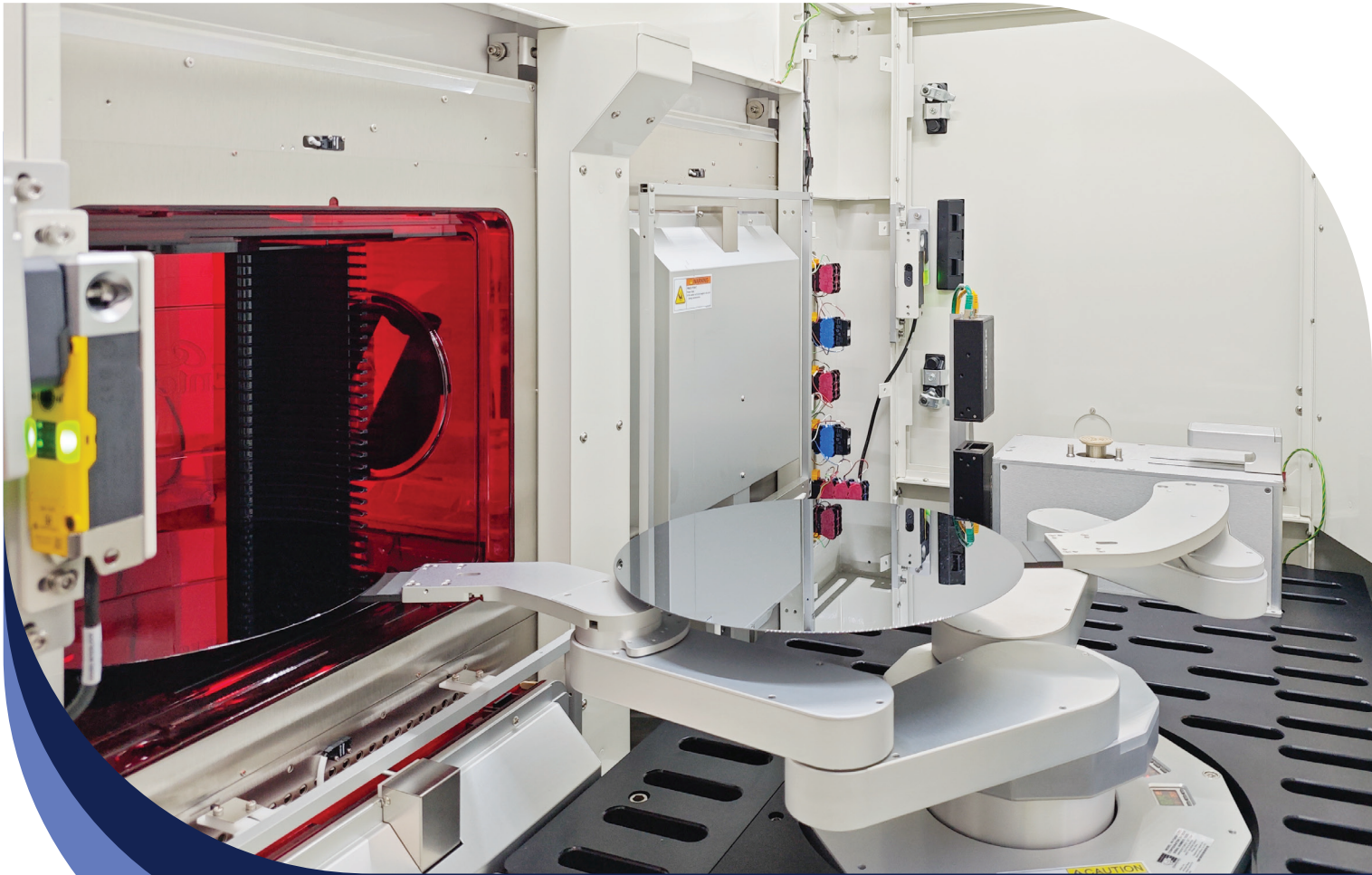
Custom solutions

Modular design

High throughput

Wafer handling components

FAB automation support



49 Maple Str., Milford, MA 01757, USA



+1.508.533.5322



sales@milarasmt.com



www.milarasmt.com

