



A²ECF

Agileo Automation
Equipment Controller Framework



Software solution for your equipment automation with SEMI standards compliance.

A²ECF (Agileo Automation Equipment Controller Framework) capitalizes over 15 years of experience within the company in wafer handling, machine control, automation, and process tool management in the unique goal of achieving Customer Satisfaction through Equipment Efficiency and Optimization.

With A²ECF

- › **Be in the right “time to market” and Reduce software investments** by using existing software solution with documented architecture
- › **Focus on your core business:** With built-in SEMI standards compliance and major robotics platform supported, Agileo Automation takes care of your equipment automation
- › **Increase the maintainability and the testability** of your equipment software: Standardization of hardware and software simulation for off-site problem analysis and off-line host integration
- › **Partner with a team able to support you** from RFQ answering to worldwide equipment commissioning
- › **Get prepared to your customers’ future needs:** 6”, 8”, 300mm and 450mm compliance based on the same architecture, open to new hardware and following industry standards with planned updates.



A reliable and field-proven solution used by more than 30 different kinds of tools worldwide

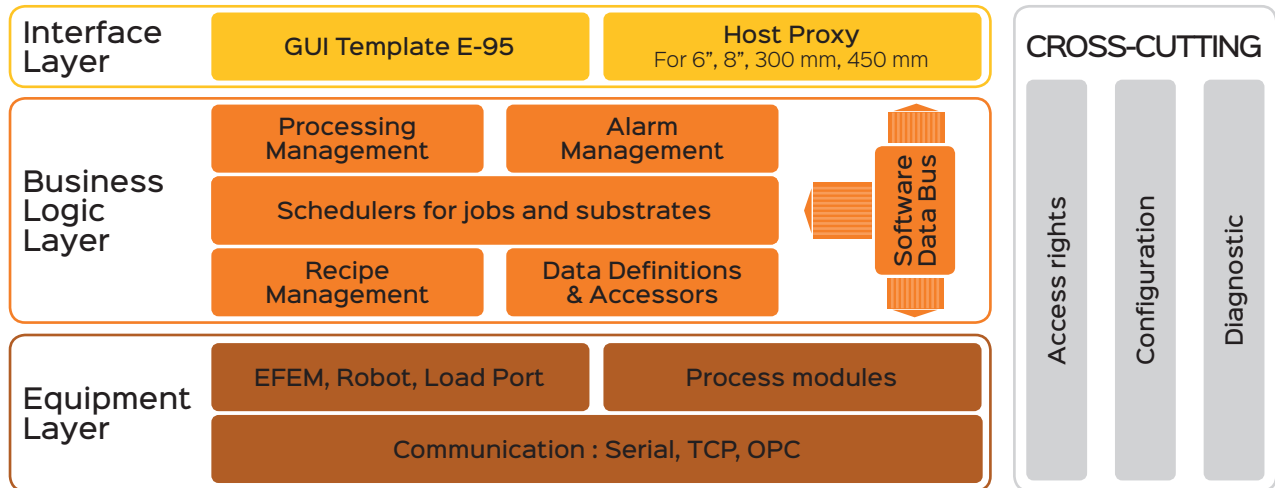
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A²ECF Features

Object oriented, entirely written in C#, A²ECF is a multilayered application. It has been designed to be easily adapted to the end users' needs, through the implementation of code and component customization.



Manage off the shelf or specific devices

- Major EFEM platforms are supported
- Solution is open to new hardware
- Generic device models to facilitate new hardware integration
- Equipment definition as a tree structure, editable and testable right inside Microsoft Visual Studio ®
- Automatic generation of Device user interface from device programming interface
- OPC support (member of OPC Foundation)

Rapid and professional user interface

- SEMI E-95 compliant user interface
- User management with access rights
- Multilanguage support
- Customizable styles to follow your corporate graphic standards
- More than 200 user interface components for industrial and semi-conductor domain

Create your business logic based on models

- Customizable schedulers with graphical representation based on State Machines
- State Machines directly editable in Microsoft Visual Studio.NET®
- Alarm management and historization
- Easily bind process variables between Process Module and GUI without coding

Based on widely spread technologies

- 32 bits and 64 bits Windows® OS support
- Solution fully integrated in Microsoft Visual Studio.NET® environment, no need for external tools or compilers

Ready for host integration

- SECS/GEM option
- 300mm, 450mm with CIM300 components option (third-party from our partner Cimatrix)

Documented product

- SDK with component documentation
- Integration samples provided for components

Designed for maintenance

- Easy reporting with one button to send tool event log and screenshot from field to after sales
- Standardization of hardware simulation to enable software testability and improve maintainability
- Equipment Performance Analyzer : Reliability, Availability, Maintainability (SEMI E-10)