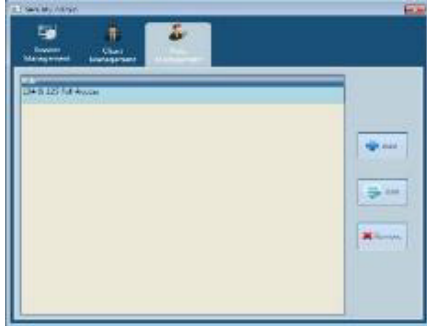




Falcon EDA – Factory Automation (EDA)



CUSTOMER CHALLENGES

- Multiple customers were struggling with developing automation solutions to solve unique problems related to wafer processing and wafer inspection hit the market at the right time
- QuEST created a fully SEMI standards compliant equipment automation solution for implementing EDA standards.

SCOPE

- Reliable and fully SEMI standards compliant automation software which enables the product to hit the market at the right time

SOLUTION

- A complete factory automation solution IP developed by QuEST for implementing Interface A (EDA) standards for Equipment OEMs
- Implementation of SEMI standards - SEMI E120, E121, E125, E128, E132, E134, E138, and E147

FEATURES

- Supports latest SEMI EDA standards (E120, E121, E125, E128, E132, E134, E138, and E147)
- Passed all EDA test cases of ISMI and SAT, fully tested using ECCE client.
- EDA can be integrated to any OEM with minimal customization using the Falcon EDA SDK.
- Provides high security features that determine the client level that can be connected to the system
- High performance data collection from equipment.
- Data collection frequency exceeds the SEMATECH stated performance expectations
- Supports both 32bit and 64bit Operating systems

BENEFITS

- Reduced time to market
- High Volume, Real-time data on-demand without affecting normal equipment performance
- Fully compliant with all relevant SEMI standards

RESULTS

