

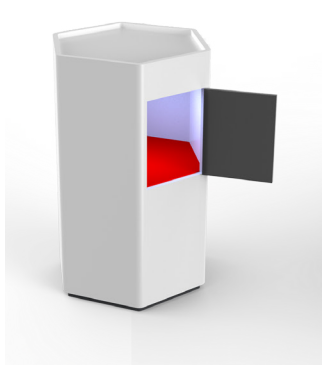
**AIS AUTOMATION**  
SOFTWARE SYSTEMS

# ToolCommander®

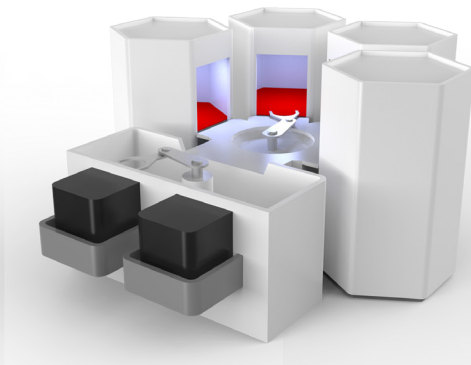
The open framework for the development of equipment control software

## Product Family

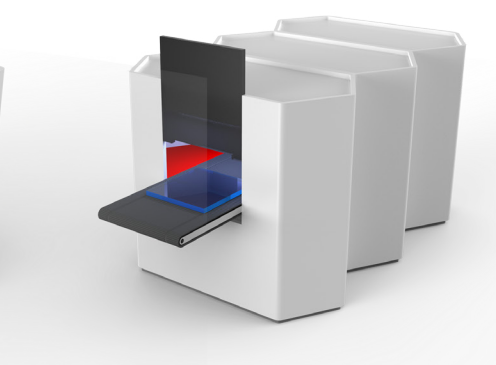
Batch Tools



Cluster Tools



Inline Tools



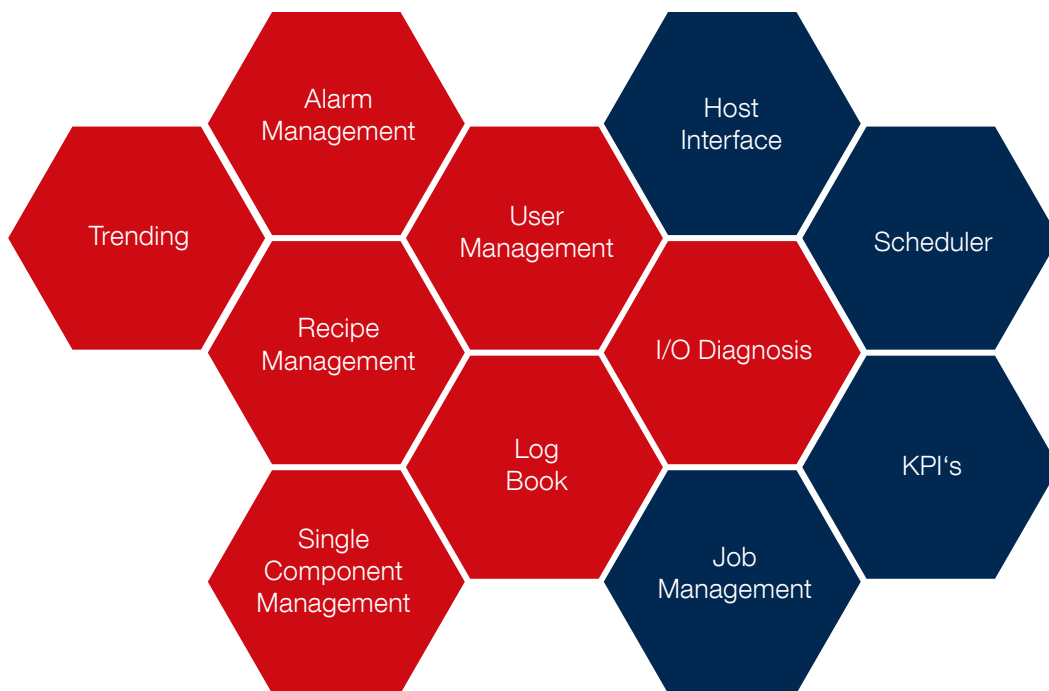
## Product Features

- large device library with component drivers
- advanced process control with existing drivers and modules
- simple integration to factory automation level
- built-in simulation capability
- optimized graphical user interface with touch screen support
- full multi-language support for all countries

## Summary of Benefits

- more than automation - complete tool control software including visualization
- fast time to market - thanks to our large device library
- field-proven tool control framework for more than 15 years
- continual support from our ToolCommander® experts

## Modules



## Standard Modules

### Alarm Management

- archive for all alarms, warnings and information messages
- classification of alarms
- integration of alarm related recovery actions

### Trending

- online/offline charts
- real-time process information
- data archive with export function and integrated data management

### User Management

- different user roles (operator, expert, service) and related rights
- administration of users

### Single Component Control

- specific control (automatic/manual) and parameterization of components
- visualization of current status
- online configuration
- lifetime counters

### Recipe Management

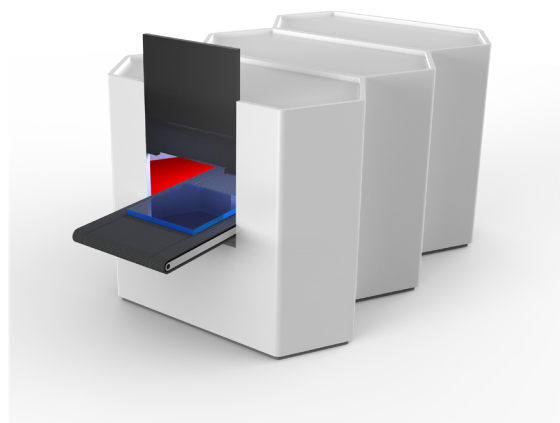
- creation and management of process recipes
- definition of recipe status (in development, archived, in production)
- control of host and flow recipes

### I/O Diagnosis

- diagnosis of all digital and analog in-/outputs
- manual channel control
- channel number / device address

### Log Book

- manual record of all services



## Advanced Modules

### Scheduler

- task management
- built-in optimization algorithms
- real-time adjustment of the schedule based on actual data
- throughput optimization with swap as well as exchange commands and anticipated movements

### Job Management

- assignment of flow recipes to process jobs
- material management within process jobs
- control of process jobs
- priority management of jobs

### Host Interface

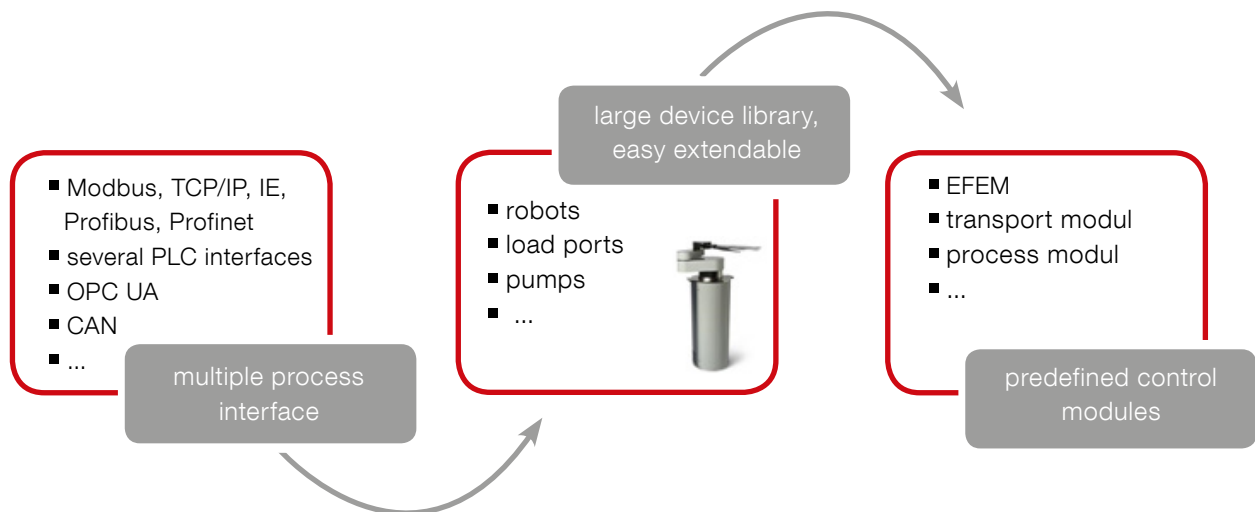
- implemented support of SECS/GEM, GEM300 and InterfaceA (EDA)
- usage of AIS connectivity package FabLink
- APC-ready
- integration of custom interfaces

### Tool - KPI

- OEE data incl. RAM
- alarm statistics
- subtype performance evaluation

## Easy Customization

Flexible and versatile - ToolCommander® is built on the latest software technologies with a all over modular design.



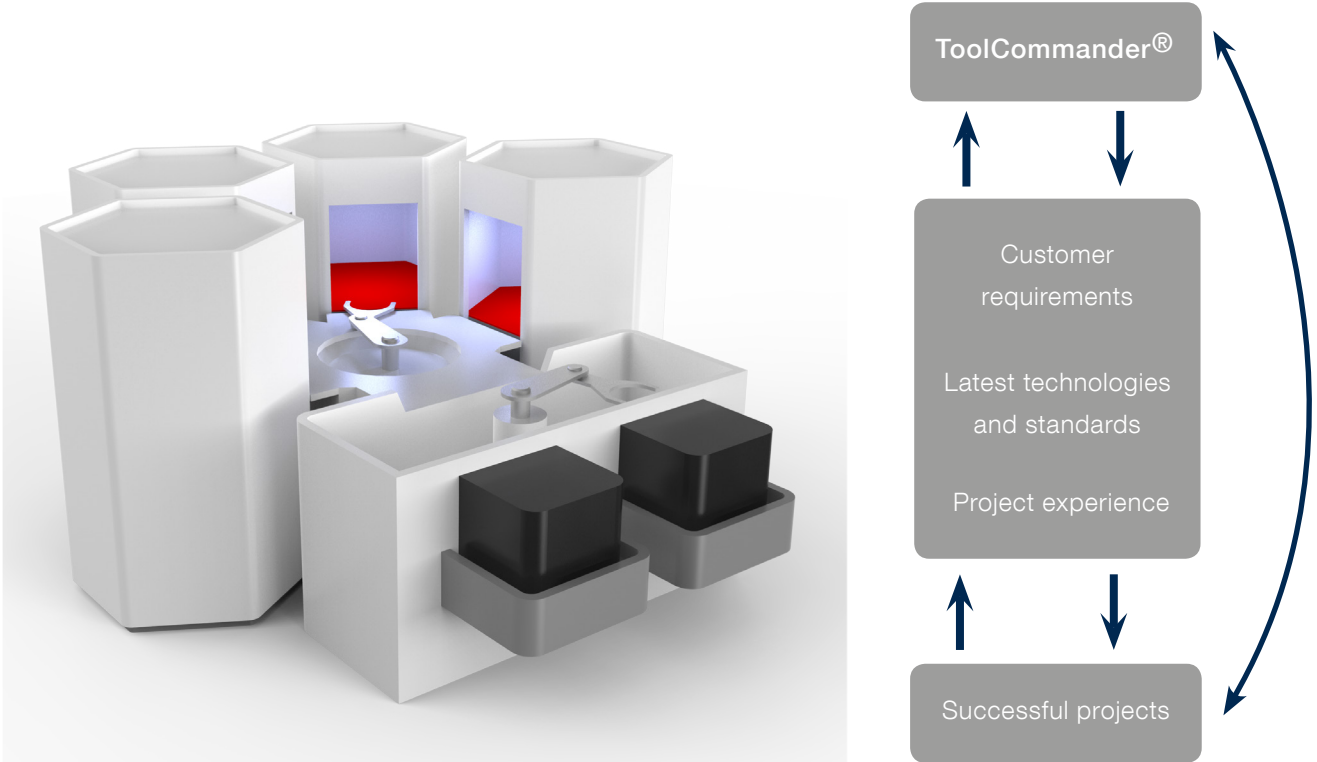
## SEMI Compliance

The ToolCommander® complies with the following SEMI standards:

- E95 Graphical User Interface
- EDA/Interface A (E120, E125, E132, E135)
- SECS/GEM (E5, E30, E37)
- E39 Object Services
- E40 Process
- E87 Carrier Management
- E90 Substrate Tracking
- E94 Substrate Tracking

## Information about AIS Services for ToolCommander®

AIS stands for 25 years of experience in equipment control. As a full service provider AIS offers the complete software development from consulting, specification, realization, testing to documentation commissioning and service. We also offers trainings to keep you fit for the easy realization of your own control software



## Short Overview about AIS Automation Dresden GmbH

For over 25 years now, AIS Automation Dresden has been the system and software house for automation and offers you innovative software solutions for factory and production automation, machine integration and machine control. Our software solutions are employed across a large variety of technological fields in the semiconductor, photovoltaic, LED, automotive, and other industries.

Over 135 experienced and committed engineers create, develop and install our software solutions for your needs in close cooperation with you. AIS accompanies you over the entire life cycle and is available as a competent partner from specification, via implementation and installation, through to comprehensive customer service.

Since 2011 AIS is part of Meyer Burger Technology Ltd (SIX Swiss Exchange: MBTN) which ensures a comprehensive service and support network for the project work and customer service worldwide.