The ToolCommander® is an open software framework for realizing control and visualization for cluster, inline and batch systems in production and research.

The modularity of the ToolCommander® supports an easy customization to individual requirements of your systems in various industries. Since more than 15 years various control solutions, such as vacuum coating equipment and systems in the semiconductor industry are realized based on the ToolCommander®.
YOUR BENEFITS

- Flexibly customizable due to modular design
- Fast and reliable implementation
- Production control due to logging and material tracking
- Open framework enables in-house development
- Prepared SECS/GEM integration
- Process optimization induced by the “trend” feature
- Entire system simulation
- Complete touch-operation
- Multilingual visualization (Unicode)

STANDARD MODULES

ALARM MANAGEMENT
- Message archive for all alarms, warnings and informational messages
- Integration of alarm related actions

TREND
- Flexible online & offline charts
- Setup of profiles
- Data archive with export function and integrated data management

SINGLE COMPONENT CONTROL
- Control (automatic/ manual mode)
- Parameterization of components
- Visualization of status and actual values
- Lifetime counters

LOG BOOK
- Manual records of equipment related information

RECIPE MANAGEMENT
- Setup and management of recipes
- Definition of recipe status (in development, released and archived)
- Control of process and flow recipes

I/O-DIAGNOSIS
- Diagnose of digital and analog inputs and outputs
- Manual control of channels

USER MANAGEMENT
- Integrated user management
- Configurable user rights

OPTIONAL MODULES

SCHEDULER
- Task management
- Integrated optimization algorithm
- Real-time correction of the schedule based on actual data

ORDER MANAGEMENT
- Management of process jobs
- Assignment of flow to process jobs
- Substrate management

IT & MES INTERFACES
- Integration of custom interfaces
- Utilization of the AIS connectivity packages FabLink for SECS/GEM, GEM300 and InterfaceA (EDA) Interfaces

TOOL KPI
- OEE Data incl. RAM
- Advanced alarm statistics
- Performance tracking of components
COOPERATION MODELS

AS a full service provider AIS offers the complete software development starting with consultancy, specification, realization, test to commissioning and maintenances. We also offer you trainings enabling own control developments independently from AIS.

COOPERATION

AIS provides the ToolCommander® Framework. OEM and AIS develop and manage together the control solution.

INDEPENDENT OEM

AIS provides the ToolCommander® Framework incl. training and support.

EXTERNAL SOFTWARE SUPPLIER

AIS develops and manages based on the ToolCommander® Framework the control solution.

EASY ADAPTION

Integrate predefined modules based on flexible interfaces and a large device library. Create further modules by integrating own developments.

SEMI STANDARDS

ToolCommander® supports the following SEMI Standards:

- SECS/GEM (E5, E30, E37)
- EDA/InterfaceA:
  - E95, E120, E125, E128, E132, E134, E135, E138 und E145
- E39 Object Services
- E40 Process Job Management
- E84 Carrier Handoff
- E87 Carrier Management
- E90 Substrate Tracking
- E94 Control Job Management
- E116 Equipment Performance Tracking
ABOUT AIS

AIS Automation Dresden is a leading solution provider for industrial software in the field of factory automation. For more than 25 years, we have been delivering products and solutions, turning the concepts of Industry 4.0 and Smart Manufacturing into reality. We are your reliable competent partner for machine control, interface solutions, factory automation, process and plant automation as well as for railway and traffic engineering.

As part of the Meyer Burger Group, we provide extensive service and support options for worldwide project work and support.

Consulting & Requirements Analysis
Software Development
Supply of Hardware for Control & IT Systems
Project Management & Training
Flexible, Global Service & Support
On-site Installation & Commissioning