

# ASM OIB

## ASM OPERATIONS INFORMATION BROKER - THE ALL-INCLUSIVE SOFTWARE INTERFACE

The components of the Smart SMT Factory are intelligent. Machines, sensors, robots, AGVs ... - their data creates transparency about the running processes. At the same time, system components must be synchronized and supplied with control data and process parameters. This communication is a critical success factor and requires high-performance, bidirectional interfaces.

With the modular ASM OIB (Operations Information Broker) you can transfer all production-related data to where it's needed. Only data that is being processed by the target application is being transferred: e.g. SIPLACE and DEK traceability data, process data, maintenance data, BE consumption data, etc. Its "Board Gate Keeper" ensures reliable processes: Production does not start until the materials have been verified and all process parameters are correctly set.



### Reduced costs for software integration and increased customer satisfaction - these are your benefits with ASM OIB:

- Easy integration of external software and ASM applications via open interfaces ensures maximum quality and performance
- Transparent recording of process and maintenance data
- Basis for integrated, software-supported workflows
- Bidirectional communication between shop floor and IT systems
- Simple, cross-vendor integration
- Third party applications do not have to be technically compatible
- Customer workflows can be seamlessly integrated
- Clearly defined interfaces and responsibilities enable outstanding service
- Process security through version management
- Ensures ongoing production even after upgrades
- Risks and downtime are minimized due to upgrades
- Modular design to keep data communication lean and efficient
- Networking of information minimizes the risk of errors

## The Vision

ASM OIB serves electronics manufacturers as an integration interface for their preferred software. That means for your production:

- Highest quality
- Maximum power
- Smooth installation
- Upgrades with minimal susceptibility to failure
- Best service and support

### Challenges in electronics manufacturing

Nowadays electronics manufacturers face many very demanding challenges in software:

- Superordinate software solutions must be used that fully exploit the functionalities of ASM software solutions
- Software upgrades pose a security risk over and over again
- Due to the high complexity of integrated software solutions and their networking, the work of service technicians is becoming increasingly difficult

### Our solution: The integration interface ASM OIB

The complete ASM OIB package has the solution to all these challenges and enables you to achieve smooth software integration.

This is ensured by three components:

#### 1) Familiar functions and rules

- The functions and structures of the integrated software are retained
- Dynamic access to data and functions

#### 2) Integration via open interfaces

- A single standardized interface for the entire ASM portfolio
- ASM OIB developer workshops and support for know-how transfer
- Best service & support based on clearly defined interfaces

#### 3) Version management - made easy

- Stable interfaces that can be easily extended, for a smooth expansion of your system landscape
- Interconnected modules can be upgraded independently

**Your benefit:** ASM OIB reduces integration and operating costs while increasing satisfaction with your system landscape.

ADVANTAGES FOR ASM CUSTOMERS	ADVANTAGES FOR THIRD-PARTY SOFTWARE PROVIDERS
<b>Integration</b>	
<ul style="list-style-type: none"> <li>■ Faster installation</li> <li>■ Improved quality of integration</li> <li>■ Customer workflows require no new solution</li> </ul>	<ul style="list-style-type: none"> <li>■ No "reverse engineering" necessary</li> <li>■ Professional support through training and consulting</li> <li>■ Reduced integration and testing effort</li> </ul>
<b>Combinability</b>	
<ul style="list-style-type: none"> <li>■ Use of the manufacturing solution without compromising quality or performance at line level</li> <li>■ Contingency plan available, so that the line solution continues to run even in the event of disruptions at production level</li> </ul>	<ul style="list-style-type: none"> <li>■ Guaranteed constant quality and performance thanks to combined software solutions</li> <li>■ Reduced development and maintenance costs</li> </ul>
<b>Version management</b>	
<ul style="list-style-type: none"> <li>■ Malfunction susceptibility through upgrades is minimized</li> <li>■ No need for coordination upgrades between ASM solutions and third-party software applications</li> </ul>	<ul style="list-style-type: none"> <li>■ No maintenance effort for existing integration solutions</li> <li>■ No need to schedule version upgrades with the ASM solution</li> </ul>