

Traceability:

Traceability without changing your existing system. Our solution integrates seamlessly into existing SMEMA and data interfaces. Enables data collection for manual workstations without the need for a PC.

Integration into the existing MES / ERP landscape:

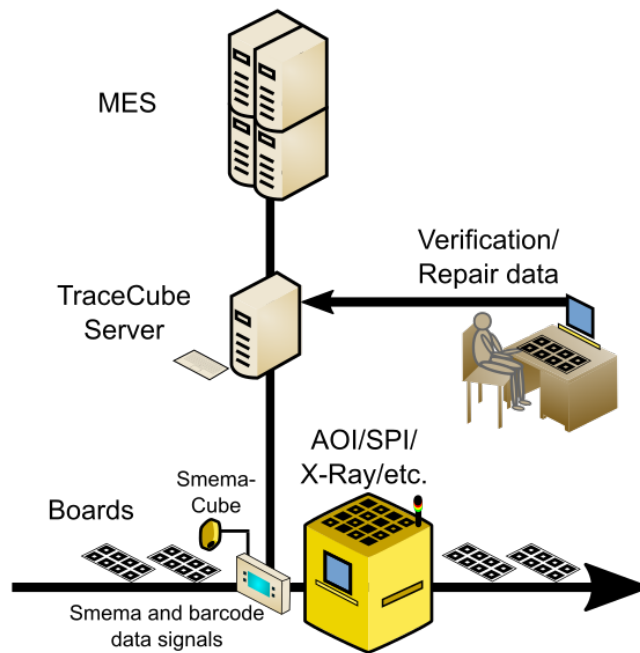
- Track Products
- Track machine performance
- Enforce process sequences
- Enforce process step times
- Enforce operator rights
- Provide work instructions

Technical specifications at a glance:

- 3.2" Color-Touchscreen
- 4 programmable buttons
- No running IT costs
- High IT security
- 24V Digital I/O
- 100Mb Ethernet
- 2xUSB, 2xRS232 und PS/2
- Time tracking via real-time clock
- Compact (170x138x37mm)
- Maintenance-free
- SMEMA Interface
- UpperLink capable (e.g. Omron)
- Low energy consumption

BitTrace14 SmemaCube2, example application:

Integrating an AOI/SPI/X-Ray machine with an MES system.



Problem to be solved:

You have a board inspection machine, which you want to integrate into your MES environment, but the machine in question provides no integration for your system. You require process locking (boards should only enter the AOI if they have completed all previous operations). You also require status information for MES for both the machine and it's verification/repair station.

Solution:

Add a SmemaCube2 to the system: it can supervise operations:

- The barcode scanner and SMEMA signals from the conveyor are routed to the SmemaCube2, and only passed to the machine upon MES approval.
- After inspection, the status information is collected from the vendor's software (board/miniboard/component level, as required) and is registered with the MES.
- Similarly the verification/repair data is collected from the machine vendor's software, and registered with the MES.

Advantage:

Error-free foolproof operation: even with unskilled operators. All work operations are protocolled for you and your clients.

