

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:

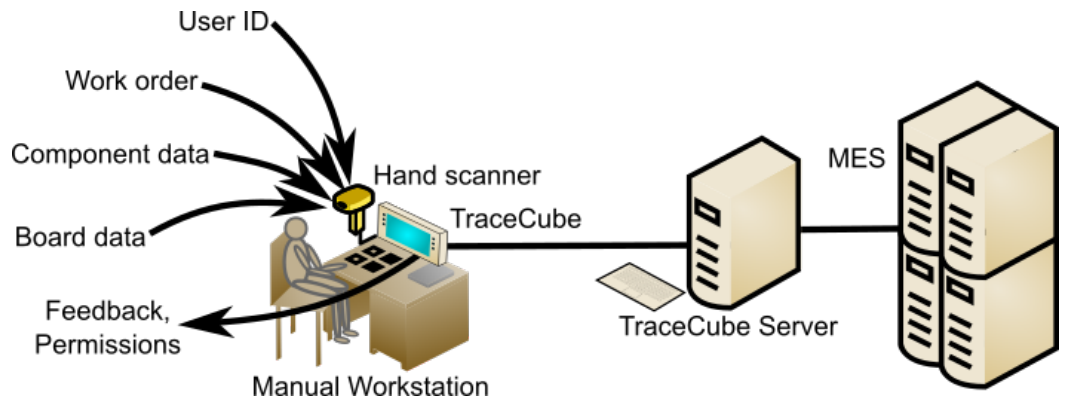
- Track Products
- Track machine performance
- Enforce process sequences
- Enforce process step times
- Enforce operator rights
- Provide work instructions

Technical specifications at a glance:

- 7" Color-Touchscreen
- 6 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 (250x138x37mm)
- Maintenance-free
- SMEMA Interface
- UpperLink capable (e.g. Omron)
- Low energy consumption

BitTrace14 TraceCube2, example application:

Manual Component Insertion under control of an MES system



Problem to be solved:

Manual workstations are difficult to integrate into an MES system. For example when components are to be manually inserted into a board, it is normally required to know if the inserted components are correct for the board, i.e. if they are explicitly assigned to that particular work order and board. In addition manual insertion should only occur after the successful completion of all prior operations. How can this be ensured?

Solution:

Add a TraceCube2 to the workstation. The operator can begin by scanning the work order to see if it is approved. Next the component batches can be scanned, and finally the individual boards. All operations are verified immediately with the MES system. Inconsistencies, such as inserting components of the incorrect electrical tolerance, or accidentally processing a board from an incorrect work order are all avoided. Additionally, work instructions can be provided.

Advantage:

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

