**Single PDA system and SCADA**

**Your potential at a glance:**

Two systems can help to uncover additional productivity potential in the packaging process: SCADA and the single PDA system. The difference: while SCADA controls a complete line, the single PDA system handles the operation and data acquisition of a single machine.

The single PDA system links all relevant components to build a machine network whereas the SCADA system controls a combined machine and line network. This is the precondition for central monitoring, operation, administration and storing of data from all components – even including integrated devices from other manufacturers. All data is clearly presented in various modes on the TouchControl screen.

Both systems monitor all critical process parameters. The values are filed with a batch reference so that they can be retrieved at a later date. This allows long-term monitoring, which is very important for quality assurance.

The PDA system and SCADA offer additional functions which make them highly beneficial: central fault recording and analysis, batch management and control as well as work planning. In addition to the integrated standard report forms, customized forms for batch-related, shift-related or period-related reports can be compiled. Both systems calculate the OEE efficiency indicator (Overall Equipment Effectiveness) and thus – following the evaluation of the data – provide the basis to achieve efficiency upgrades.

Indicators and analyses at the touch of a button.
What advantages do you gain?

• Continuous monitoring of process-relevant parameters
• Fast recording and analysis of faults
• Format, batch and user management (via a Central Line-Terminal if SCADA is added)
• Centralized batch control for all machines or lines and forward production planning
• Calculation of productivity indicators as basis to achieve efficiency upgrades
• 21 CFR Part 11-compliant
• Time saving thanks to a central batch control
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**Who profite and how?**

**Production Manager**
- Up-to-date, precise reports and analyses
- Central interface for production data, evaluation and downtime analysis
- Improved transparency of all processes

**IT and Quality Commissioner**
- Seamless integration of production system into existing IT infrastructure
- Reduced maintenance and support requirements thanks to latest technology
- Remote access to complex systems; optional web-based access if desired
- Standard open interfaces for integration into existing superordinate systems such as PPS, ERP and MES

**Controller**
- Quick, precise and reliable real-time data
- Maintenance schedule generated by production times
- Remote access to all data via company network
- Optimized logistical processes and forward production planning
- Minimized risk due to redundant data structures

**Operator**
- Well-known user-friendly operating system
- Reduced training requirements thanks to a uniform operator interface
- Production data, time accounts and batch management available at a glance
- Straightforward, quick format change
- Set-up reduction due to central batch start

Details are subject to change due to product development.