Shop floor data collection with
B-COMM for SAP

Benefits at a glance:

- View up-to-date order progress and order status information at any time
- Improvements to the production process for shorter throughput times
- Minimization of overheads and idle time
- Better delivery reliability
- Precise data for preliminary cost-ings and product costing analysis

Shop floor data collection helps you examine and continuously optimize your cost structures and production processes. As a company, you want to know what your production capacity is, where you stand with your orders, and what each order costs at any given time. Exact figures are essential for this. A PDA system from dormakaba provides you with this data.

All relevant order data is recorded and made available to the SAP system in real time. This avoids duplicate data entry and maintenance. Evaluations in the SAP system ensure permanent transparency.

The dormakaba solution includes

- the recording of set-up, processing and clearing times,
- the reporting of product quantities, rejects and reasons,
- checking for under/over-delivery,
- time-event and time-ticket recording,
- job rotation,
- process- and person-related status tracking,
- the processing of a transaction by several people and
- the reporting of reasons for mal-functions in the event of unplanned interruptions.

Fact sheet

SAP Silver Partner

Modular structure, simple dialogs
B-COMM for SAP is a modular subsystem for order data entry, and supplements the SAP modules PP, PM, PS, CS and CATS. The operational data generated in production is recorded, validated and transferred to the corresponding SAP modules. It is transferred via the SAP-certified PP-PDC interface, among others.

The system provides convenient, easy dialogs customized for the employee and requiring only a very short familiarization period. Thus, entry times are minimized and incorrect entries are avoided. All postings are checked for plausibility and then transferred to the SAP system. The processes are then updated in SAP and the order data is synchronized.

Ongoing synchronization ensures a high level of data security and accuracy. Data maintenance and costing take place exclusively in the SAP system.

Additional modules to make your shop floor data collection even more effective

Automatic recording module

Automatic start, interruption and end of a job: Fewer postings
This module from dormakaba closes the gap between HCM and PDA. That is because your employees automatically start or end the last job they worked on with a time recording. If an employee enters an interruption, e.g. the start of a break, the current job is also automatically interrupted. This module reduces the number of input steps, saves you time and reduces incorrect entries. This makes data confirmation even easier, and gaps in data collection are a thing of the past.

Order change: simple and convenient
This function makes your order entry easier and more convenient, as active orders from PP, PM, PS or CATS are automatically ended when a new order is started. This reduces the effort of data entry, especially for short work processes.

Automatic standard process reporting: assign idle times
This allows you to automatically record an employee's 'unaccounted time'. These are posted to an overhead cost order defined for them. You determine when unaccounted times are to be determined. If the employee exceeds the set period of time between arriving and the start of the order, or the end of an order and the start of a new order, the non-productive time is posted to the stored overhead cost order. Idle times are thus automatically assigned and 'filled' with a process. This gives you the best possible correspondence between posted order times and the employee's actual attendance time.

The Team module

Group work
With the 'Group work' function, B-COMM for SAP enables simultaneous or retrospective login to one or more work steps for several employees. A distinction is made between dynamic and static groups. Dynamic groups are created directly on the dormakaba terminal. Static groups are processed in the SAP system and the settings are transferred to B-COMM for SAP. Quantity notifications are possible as individual or overall notifications, e.g. when the last employee leaves the group. Integration into the multi-machine operation and time leveling modules is supported.

Collective entry: reduces data entry effort
dormakaba has developed the additional 'Collective entry' module for rapid recording of order data as well as time and quantity confirmations. With this solution, the user can quickly and easily confirm times and quantities from an existing order pool. Order packages are compiled here for each employee and workstation. This reduces the effort of data entry and avoids incorrect entries. Several collective packages can be registered per employee. The orders can originate from the SAP modules PP, PS and PM, to which the recorded data flows back automatically.

The multi-machine operation module

If several employees work together on a job or one employee operates several machines at the same time, the multi-machine operation module can be used to correctly determine the actual times used.

The solution developed by dormakaba as an extension for the SAP modules PP, PM and PS uses the recorded time events (start/end) to determine the services used for multi-machine operation and multi-order processing. It calculates net times for different services such as working time, machine time, set-up time, etc. and transfers the calculated time to the SAP system as a 'time ticket'.
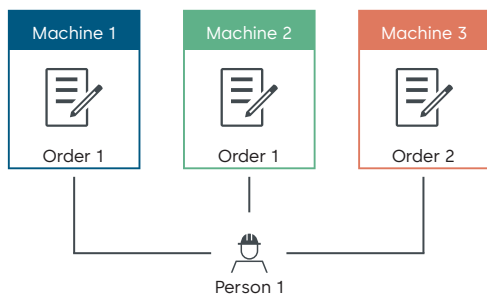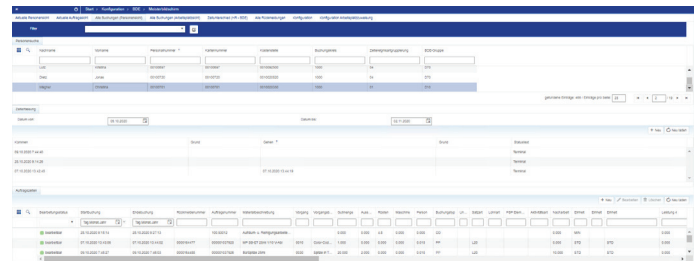
This allows you to divide the machine times accordingly for multi-machine processing. The machine's running times and the person's processing time are calculated in proportion to the number of orders and machines running and are posted to the orders.

Even in the case of multi-order processing, where several orders are processed by one person on one or more machines, the working time can be divided up according to different specifications. Break times can be deducted automatically in accordance with SAP working time planning.

The PDA master screen module

The PDA master screen module contains an overview map of the individual machines and workstations. The master data is transferred from the SAP system and the overviews are continuously filled and updated by B-COMM for SAP with order data from production in real time.

The foreman or supervisor can thus obtain detailed information about the current status of the production orders at any time. They can also use the master screen to make any corrections to time and order postings. In addition, the current employee status for their area is also displayed in real time in the morning so that they can quickly take remedial action if they are understaffed, for example.

	08:00	1hr break	17:00	Machine time	Person time
Machine 1	Machine time	Order 1		8 hrs	3 hrs
Machine 2	Machine time	Order 1		8 hrs	3 hrs
Machine 3	Machine time	Order 2		6 hrs	2 hrs
Person 1	Person time			22 hrs	8 hrs

Machine time per order = 100%
Person time per order split
Option: automatic break deduction

Any questions? We will be happy to assist you.