

AMS^{PDC} Production Data Capture

Efficient Documentation of Work Processes on the Production Floor

AMS^{PDC} Production Data Capture provides useful functions for documentation on the production floor. User can access functions from the AMS modules Jobs, Image Generation, Dispatch, and Charging.

Work processes carried out can be documented on site and changes can be made to previously loaded jobs.

Input via the special PDC terminals is optimized for production environments and can be carried out intuitively on a robust touchscreen.

The recognition of job items in AMS takes place conveniently via the reading of the worksheet with a barcode scanner. Hardness test results or quality tests are also recorded efficiently in this way. This saves time and prevents incorrect entries.

Document the processes directly on the production floor!



The screenshot shows a terminal window titled 'BDE-Terminal (C) by TTC Informatik (Session 1)' with a timestamp of '03.04.2024 09:01'. The interface is designed for data entry on a touchscreen.

Messages: A... RES ESC Aktion

Recognized entry: Load 2024-000065330
You can edit the load data or use them as template for a new load. For this purpose, scan next the barcode 'start load'.

Form Fields:

- Barcode:
- Treatment charging
- Load No. (msr): 2024-000065330
- Status: NEW
- Created by: Max Mustermann20
- Logged in: Max Mustermann20
- Equipment: Anlage 2
- Step: Anlassen- Luftumwälz
- Program: wälz (Temperatur später festlegen)

Items Table:

| No. | Customer | Process | Description | Material | Piece | Weight[...] |
|----------------|----------|----------------------|-------------|----------|-------|-------------|
| 2024-0117515-4 | | Anlassen- Luftumwälz | | | 433 | 1299.0 |
| 2024-0117515-3 | | Anlassen- Luftumwälz | | | 433 | 1299.0 |

Action Buttons: Create (<Alt+G>), Transfer (<Alt+D>), Start (<Alt+S>), Quit (<Alt+B>), Exit (<Alt+E>), Cancellation (<Alt+O>), Replace (<Alt+R>).

Recently started loads Table:

| # | Load No. (msr) | Created by | Work station | Step | Status | Start | Quit |
|---|----------------|------------|--------------|------|--------|-------|------|
| | | | | | | | |

Your Benefits:

Practical Access on the Production Floor

Documentation of work processes on the spot

No Inconvenient Input via Keyboard

Data input via touchscreen and barcode scanner

Safety Before Treatment

Final checks are possible directly on-site at the start of the process

Robust Terminal

Touchscreens specially designed for harsh production environments are available

Input Options:

- Input with and without keyboard/mouse
- Input via barcode scanner
- Input via touchscreen/finger

General Features:

- Documentation of work processes
- Multiple machine assignment
/multi-machine use possible
- Validation/control function
for mandatory/optional systems
- Validation/control function for mandatory/optional
process steps and sequence problems
- Selection of process control system programs
(only in connection with TAM)
- Display of detailed work instructions/procedural
instructions for processing
- Load image recording
(recording of load images possible)
- Interface for scales/image capture available
- Listing and further use of planned jobs
(loads) from the planning table (only possible with
additional license AMS^{PT} Planning Table)

Access to Selected Functions of the Following AMS Modules:

- Jobs
- Image Generation
- Dispatch
- Charging

Detailed Load Management:

- Time recording of the work progress
of the entire load
- Working time booking
- Quickly end loads by scanning a worksheet
- End or cancel loads
- Tabular search of loads
- Safeguards for load release, process control,
and load start

Editing the Job Items:

- Adding job items to a load
- Splitting job items into smaller production lots
- Removing items from a load
- Printing documents
- Automated creation of delivery notes
for packaging processes
- Image view of work instructions
- Booking work to be charged extra and additional
expenses by the production staff, transmission for
invoice generation

Superordinate Control and Suggestion Functions:

- Monitoring of items actively
reported in other processes
- Display of work steps already carried out
- Avoidance of duplicates
- Information about work steps
that are not in the work plan
- Indication of unsuitable equipment
or exceeding the capacity
- Error message in the event of non-compliance
with the sequence of all work steps
- Message in the event of incorrect separation
of the job items
- Suggestions for other suitable loads,
when splitting into partial items.
- Message if the target result cannot be achieved
due to the selected treatment/system
- Reference to work instructions
from alternative work plan
- Indication if the maximum age of the load media
has been exceeded

Selection of Optimal Hardware:

Take advantage of our knowledge in selecting
industrial-compatible input-devices.

We will be happy to support you.

Required Licenses:

AMS^{PDC} Production Data Capture

Recommended AMS Extensions and Equipment:

AMS^{Q&A} Questionnaire

AMS^{mPDC} Mobile Production Data Capture incl. Mobile Charging

AMS^{mPO} Mobile Production Overview

TAM - Technical Order Management

Barcode Scanner



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