



# Tool Data Management

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## *Product Description*



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## Product Description

### Concept

FORCAM FORCE™ offers Tool Data Management in cooperation with TDM Systems. The interface with TDM provides the function of requesting tools via FORCAM FORCE™ and having them assembled. TDM responds by returning the status of the assembly process. Tools are mounted and measured during assembly and the status is reported as finished after completion.

The query and display of tool status is integrated in various modules of FORCAM FORCE™. Each query involves communication with TDM Systems, where tool status can be displayed in FORCAM FORCE™.

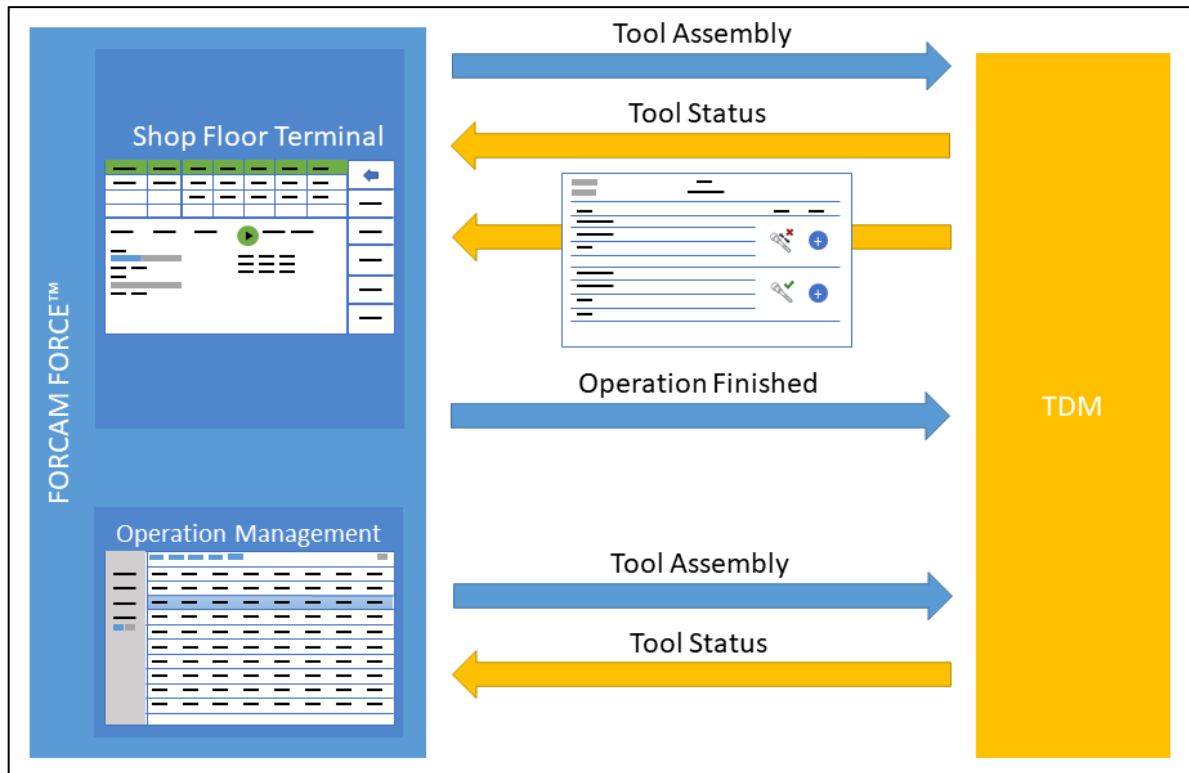
In FORCAM FORCE™, the assembly can be requested both in the Shop Floor Terminal and in the Operation Management in the Office platform. It can also be initiated automatically.

In the Shop Floor Terminal, buttons are specially configured for communication with the TDM interface. Tools can be requested for the selected operation and the assembly can be ordered. TDM then provides the status of the desired tool and indicates whether the tool can be assembled. TDM can also display additional information such as tool data in a separate dialog that is called directly in the Shop Floor Terminal. Tools can also be reordered here. Finally, TDM is automatically notified by the Shop Floor Terminal when the corresponding operations have been completed.

The Operation Management in the Office platform provides an overview of operations and their planning. The TDM interface is also integrated here. It is possible to request tools for a desired operation. Data query at TDM also takes place here and the assembly status is displayed directly in the operation list. The respective tool status always provides information about the current assembly status.

The various tool statuses can be viewed in the FORCAM FORCE™ Workbench. These are predefined and cannot be edited. However, it is possible to assign a specific color to a status and thus make it recognizable.

The Workbench can also be used to activate automatic tool assembly. The assembly is automatically requested for each operation without a tool status. Automatic assembly can be configured flexibly. The assembly interval, the time horizon and an initial delay can be controlled as desired.



Concept of the TDM interface in FORCAM FORCE™

## Feature Specification

- General
  - Tool Data Management in cooperation with TDM Systems
  - TDM interface for the exchange of tool statuses between TDM and FORCAM FORCE™
- Shop Floor Terminal
  - Request tools via configured button
  - Indicate the assembly status in the terminal
  - Display tool data in a dialog provided by TDM
- Operation Management
  - Request tools via the button
  - Receive the assembly status
- Workbench
  - View tool status and assign desired colors
  - Trigger assembly automatically with flexible configuration