

PLATO SCIO™-Process-Flow forms and visualizes process flows. The logical sequence of production, inspection, and assembly steps and all other movements of a product (transport, storage, etc.) is analyzed and documented. The representation of the entire flow, including concurrent processes and their interactions, helps to detect the possible causes of a fault.

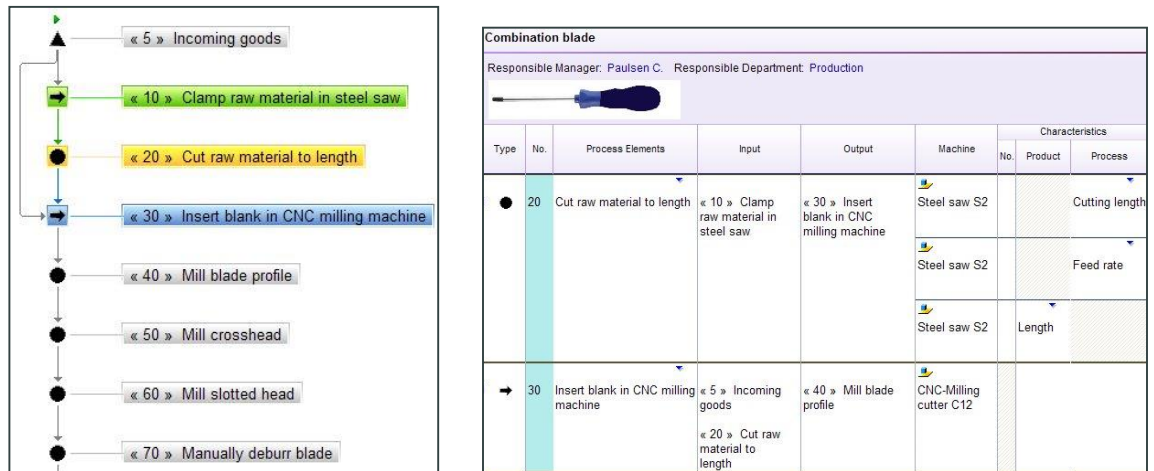


Fig.: The process flow is shown in a graphic and the process data are listed in a table. The table and the graphic are directly interlinked.

Application and Use

- Planning and documentation of process flows
- Visualization of processes for documented procedures
- Forms the basis for the identification and analysis of disruptive factors on machines and materials, and when there are problems with the methods
- Serves as preparation for an FMEA or for planning a new project or a new process
- Supplies data for production control plans

Branches and Standards

PLATO SCIO™-Process-Flow is used for production processes in industry, assembly processes, and processes in quality management and for services, etc.

QS 9000 and ISO/TS 16949 require the generation of process flow charts. They are necessary as PPAP documents for the „Production Part Approval Process“ release process.

The FAO/WHO HACCP Standard (ALINORM 97/13A, Annex II) requires the creation of process flow charts. PLATO SCIO™ -Process-Flow presents the flow charts according to DIN 10503: Food Hygiene

PLATO SCIO™ Database

The process flow chart supplies data for FMEAs, system analyses, and production control plans through the central PLATO SCIO™ database. This integration ensures effective and efficient teamwork throughout all departments – revisions and the necessity to maintain more than one database are eliminated.

Main Features and Functions

Support for the engineering process

- The process flow chart is already needed in the design phase of a new product.
- Process and product assumptions are documented.
- It supplies information on the design of the process and on the „feasibility“ of the product and process.

Consistent data

- A change or update to a process is automatically propagated to all other forms affected (FMEA, Control plan, system analysis, etc.).
- Critical process and product features are consistently identified and updated.
- A process FMEA and a production control plan are generated from a process flow chart at the "click of a button". Conversely, a process flow chart can be generated based on an FMEA or a Control plan.

Documentation

- Visualizes relationships between the steps of a process
- Can be printed out as a graphic or as a table via MS Excel
- Archiving of any planning state you desire (sign off)

Quick and easy operation

- Creation of a new Control plan using the drag&drop function.
- Flexible reorganization and sorting of process steps.
- Process steps or subprocesses can be added at any time.
- You can switch immediately from a process step to the risk analysis of the process step, for example in the system analysis or in the Control plan.

One Model. All Methods. Your Process.

- Project planning
- Requirements management
- Model-based system analysis
- Risk management
- Quality methods - PLATO SCIO™
- FMEA/DRBFM
- Fault tree analysis
- Process planning
- Test planning (DVP&R)
- Action management
- Document management
- Template management
- Lessons Learned
- Key figures
- Generation of product files

