

conDNC – Smart CNC application for worker guidance and DNC processing



Key Facts

- conDNC is a software that bundles all information relevant for the CNC machine operator in one interface. The aim is thus to save the worker either working with paper or having to get started with various applications.
- This provides optimum support for the following process steps on the machine:
 - Setup
 - Machining
 - Finish signaling



Functions

- Execution of CNC machining steps
- Display machine setting sheets
- Display Vericut simulations and videos
- NC program viewer incl. program comparison
- Machine connection with bidirectional NC program transfer
- Information provision and acknowledgement tool loading and unloading
- Integration of tool management system



Technicals

- Node.js runtime environment (e.g., SAP BTP) for conDNC basic module
- APIs for the provision of order data, program data and tool data



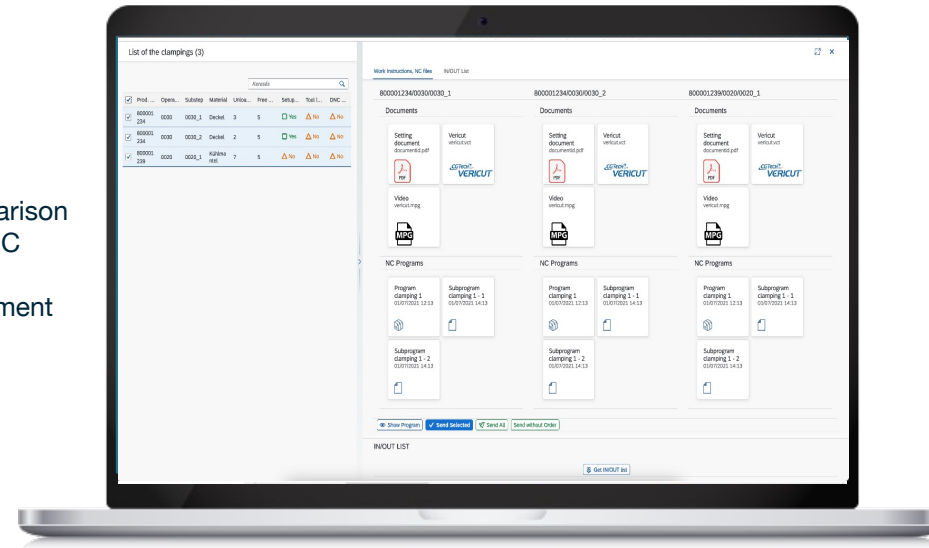
Benefits

- IT-supported standardization of setup and machining steps leads to increased efficiency and reduced errors
- Status management provides transparency on process status and supports decision-making (e.g. tool presetting completed yes/no? Number of free magazine positions versus tool requirements?)
- Flexibility through various optional conDNC modules



Highlights

- High level of worker satisfaction because all relevant information is available in one screen template
- Flexibility in connecting different systems or control components to the machines
- Support for presetting, NC program transfer and tool loading and unloading of the magazine
- Finished message of clamping and operation



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