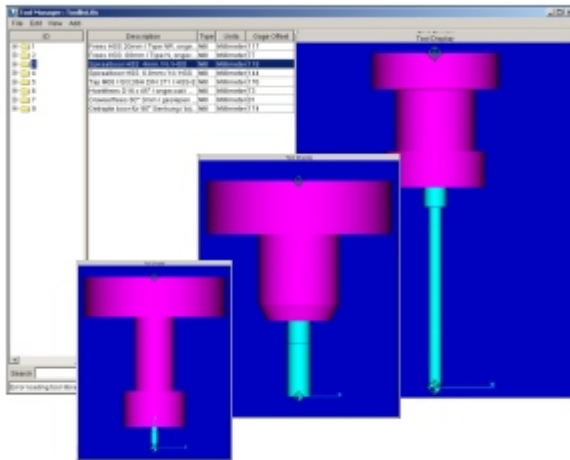


Integrated Tool Library at Dutch Aero

"Philips Aerospace", since July 2005 known as "DutchAero", is a leading manufacturer of parts for the aviation industry. The company is known for its high efficiency and robust production processes. This competitive advantage is being achieved because of the extensive use of **Vericut** simulation and optimization of NC-programs for complex parts. It is crucial for a smooth workflow, that all users in programming, simulation, and manufacturing are using the same information. This data is stored in a *central database* and can be accessed from all users in an *integrated solution*.



While designing NC-programs with UG CAM, DutchAero imports tool data online from the **WinTool** tool library. Detailed information about cutting data and collision points are at hand conveniently, and new graphic tool assemblies are created error-free with a few mouse-clicks. All information is digitally available to NC-program and simulation systems.

To verify NC-programs, tool data is being directly accessed in the *WinTool* tool library, which is maintained in the tool crib. Therefore, the programmed tools are always in sync with the physical tools on the shop floor.

Also, set-up sheet and tool data exchange files for pre-setting gauges are automatically generated out of up-to-date *WinTool* library information. This assures error-free preparation of tool assemblies by the qualified staff.

Tool assembling		616121	
profiled mill HSS 10mm long type N, uncoated HSS Co8		Machine: Christ SK40	
Diam: 10	Cutting: 22	Radius: 5 Angle: 0	
Quant	Description	Design part no.; storage place	Quality
1	Draw-in rod	DIN69872 A, SK 40	
1 *	shrink fit holder Ø6mm	long 51218	balanced
1 *	profiled mill HSS 10mm long	type N, uncoated 51071	HSS Co8

This solution found favor with the production workers at DutchAero and now allows them to move on to the next level of improvement with *WinTool*: reducing tool stock and improving tool quality, as well as managing the logistics of tool assemblies for machine magazines.

