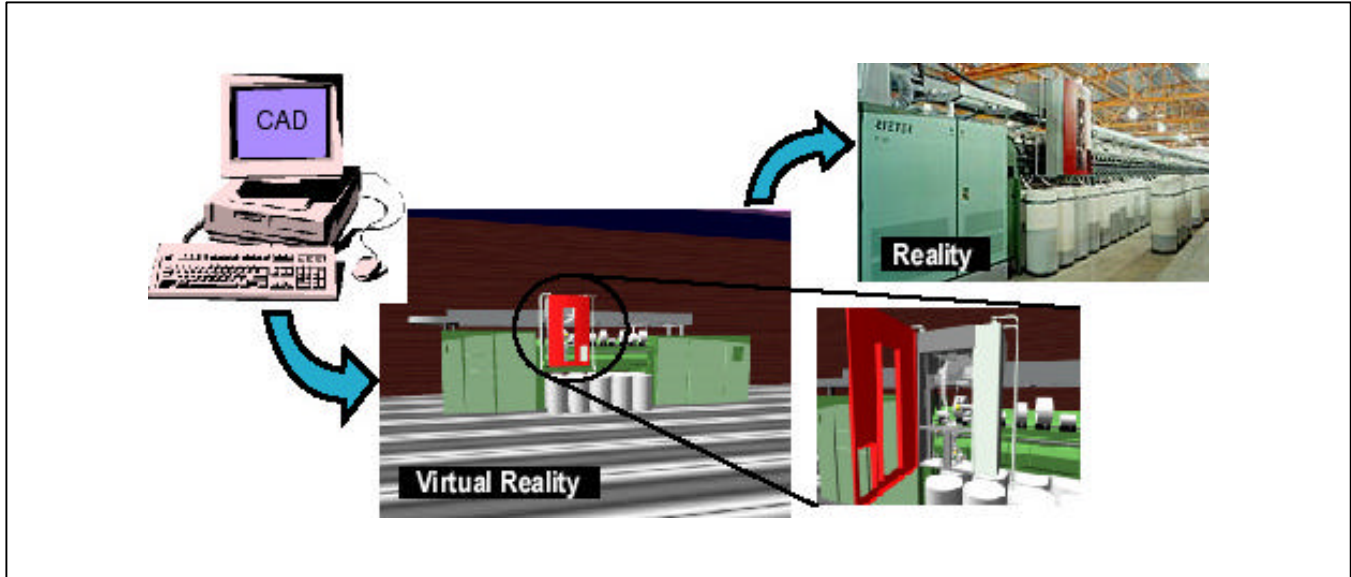


**Project Title:** Presentation and animation of complex assemblies in virtual reality for education of customers and sales personnel



**Project Leader:** Stefan Rüdlinger  
Tel: (864) 656-7189  
mail-to: [sruedli@ces.clemson.edu](mailto:sruedli@ces.clemson.edu)

**Project status:** VR-model created, parts of animation an interaction completed

**Project Duration:** Aug 2000 - Dec 2000

**Project Partners:** Rieter textile systems ([www.rieter.com](http://www.rieter.com)), ETH Zürich ([www.imes.ethz.ch](http://www.imes.ethz.ch))

**Funding:** In House

**Project Abstract:**

Complicated processes and details of a machine are usually difficult to explain to people who are not experts. Even if there is an object to observe, it is not often possible to open a machine while it is running. As a consequence, complex and expensive models are necessary, in order to show and explain the processes. However, modern methods of visualization offer a number of opportunities and advantages. With the ongoing improvement of performance in computer technologies, both in the hardware and software, the promise of great potential for commercial benefit exists.

The possibility of using a virtual assembly to explain the functionality of a process will be shown using an assembly taken from a Rieter textile machine. The resulting application shall then be useful for the benefit of educating customers and sales personnel.