

InterMix

BHR. Ltd. (UK)

When most companies were still using rows of hard-copy design guides, UTS fashioned the InterMix Fluid Mixing and Reactor Engineering guide for the FMP and Hiline consortia of the UK-based BHR Group.

It was nothing less than an interactive summing-up of the vast store of data and practical design information on chemical processes accumulated over many years from the consortia's fluid mixing research programs.

As with the DuPont Chemical Process Design Guides, InterMix was fully hyperlinked (including links to other design guides) and equipped throughout with interactive models powered by UTS's TK Solver. All the design guides had flowcharts detailing their calculations. The calculations, along with the data and design limitations, were compiled into mathematical models using TK Solver. This allowed calculations to be conducted quickly and effortlessly within the confines of the design limitations.

Program features included warning messages for data entered incorrectly; changeable units for individual variables; across-the-board switching from Imperial to SI units or vice versa using a single click; and full display of all equations and data used.

Along with static graphics, charts and tables, there were animations demonstrating salient features, such as the flow patterns produced by a radial impeller. There was also a "Find" facility to enable the user to search for key words or a phrase.