

witness 14

The latest version of Lanner's award winning desktop simulation platform

WITNESS 14 delivers a rich set of professional tools to model and simulate any business process no matter how complex. Whether you work in manufacturing or service industries, are focused on continuous improvement strategies or faced with the analysis of a particular investment decision, WITNESS offers an extensible, flexible platform to test and verify business change scenarios in a risk free and cost effective way.

WITNESS 14 makes both 2D and 3D modeling faster and more intuitive than ever, helping to deliver business planning answers faster, keeping you ahead of your competitors.



Key Product Features

Powerful Element Libraries and Control Options

WITNESS offers a unique range of elements with real breadth and depth coupled with a comprehensive set of logic rules and control options which enable rapid and flexible modeling. It is this productivity that makes WITNESS stand out from the crowd.

Powerful Modular Modeling

WITNESS delivers professional capability with a track record of large scale model production. Powerful hierarchy features allow users to clone, manipulate and reuse sections of existing models using modular saves and concepts of inheritance.

Comprehensive Experimentation & Optimisation

WITNESS benefits from our new Experimenter. This supports simple through to sophisticated experimentation, via an easy to use interface. Live graphs and tables of results give the user immediate feedback and insight. For those who seek more control, it supports a full API. For those who seek more power, Experimenter comes as standard with extensive optimization capabilities. Set objectives, parameters and constraints and let Lanner technology do the work for you.

Costing and Sustainability Support

WITNESS can provide complete cost and revenue analysis for models and supports the measurement of sustainability factors such as energy consumption, carbon emissions and the use of water, steam, etc. These features allow processes to be designed and manipulated to take advantage of sustainability benefits and cost savings.

3D Simulation with Quick3D™

The all new Quick3D engine powering WITNESS allows modelers to view models in full 3D with just a single mouse click. The additional module [Quick3D™ Pro](#) allows modelers to import their own 3D objects to create stunning virtual environments and animated actions. Quick3D allows users to focus on logic rather than design, yet still deliver professional 3D visualization that can be augmented with data displays to provide an unparalleled method for communicating ideas and concepts.

Process Optimization

Simulation models developed within WITNESS can utilise Lanner's cutting edge optimization algorithms to deliver the best possible answers. Set objectives, parameters and constraints and let Lanner technology do the work for you.

Connectivity

WITNESS supports CAD and XML imports and includes linkage options to and from a wide range of platforms. Wizards enable easy connections with Excel and a wide range of databases such as Oracle, SQL Server, Access, etc. WITNESS also features methods to control simulations using VBA, C# and other options for simulation application development.