



## COMPARE CRYSTAL BALL EDITIONS

		Standard	Professional	Premium	
FEATURES	BENEFITS				
<b>Monte Carlo simulation</b> – automatically calculate thousands of scenarios in your spreadsheet model	Frees you from the constraints of estimates and best-guess values	✓	✓	✓	<b>Crystal Ball®</b> Get a credible picture of risk. Automate “what if” analysis. Quickly assign ranges of values to your inputs, automatically calculate ranges of forecasted outputs and their probabilities.
<b>Categories of distributions</b> – create pre-defined distributions, modify your existing distributions and organize them using custom categories	Create your own library of distributions, organized in categories. Re-use distributions from one project to the next	✓	✓	✓	
<b>Publish and subscribe</b> – publish categories and share with many users	Work as a team sharing models and data to get your work done faster	✓	✓	✓	
<b>Forecast charts</b> – display your simulation results to analyze thousands of possible outcomes. Fit distributions to your forecasts during simulation	Represent your simulation results in an easy-to-understand chart	✓	✓	✓	
<b>Sensitivity and Tornado analyses</b> – identify your most critical input variables in easy-to-read charts and data views	Enable users to focus on high-risk model input variables	✓	✓	✓	
<b>Charting and reporting</b> – create summary or in-depth reports. Use default reports or create your own	Share your findings. Graphs, charts and reports let you vividly present and communicate the results of your analysis	✓	✓	✓	
<b>Correlation</b> – model dependencies between uncertain input variables. Span worksheets with correlated assumptions	Provides more accurate modeling and forecasting	✓	✓	✓	
<b>CB Tools</b> – batch fit, bootstrap, correlation matrix, decision table, scenario analysis, tornado chart and 2D simulation	Enhances your modeling process	✓	✓	✓	
<b>OptQuest</b> – automatically search for your optimal solution, given model uncertainty, constraints and requirements	Search for the best solution while accounting for uncertainty and constraints		✓	✓	<b>CB Predictor™</b> <b>OptQuest®</b> Create accurate predictive models and search for the optimal solution to make the right decision.
<b>Extreme Speed</b> – Large simulation models and complex optimizations demand extreme performance. Run you simulations up to 100 times faster than normal.	Get your simulations and optimizations done, fast.		✓	✓	
<b>CB Predictor</b> – incorporate advanced time-series forecasting methods by analyzing your historical data to predict future outcomes	Provides future performance predictions and integrates with Crystal Ball simulation.		✓	✓	
<b>Real Options Analysis Toolkit</b> – can solve problems such as: - Abandonment, contraction, expansion - American options with dividends and European options with dividends - Changing risk-free rates and changing volatility options - Compound options - Switching, forward and barrier options - Rainbow options with dual assets - Mean reversion and jump-diffusion options - Volatility estimates	- Leverage existing static NPV - Identify, value, select and prioritize the right projects - Improve insights into strategic value - Correctly evaluate intrinsic value - Eliminate potential undervaluing in strategic projects - Identify, frame and value future strategic opportunities - Analyze multiple strategic decision pathways - Provide a reliable, consistent and repeatable process			✓	<b>Real Options Analysis Toolkit™</b> Discounted cash flow analysis estimates a project’s base value, accounting for the impact of negative risk. Add real options to account for the impact of positive uncertainty in your project’s value.
<b>Risk Analysis Using Crystal Ball</b> – this interactive multimedia training CD guides you through 15 units with software tips, application ideas, and tests and exercises	Get the most from your Crystal Ball software with a multimedia training CD and textbooks			✓	
<b>Textbooks*</b> – <i>Real Options Analysis</i> and <i>Applied Risk Analysis</i>				✓	

\*Commercial version only



## MAKE MORE CONFIDENT DECISIONS

Crystal Ball is a suite of Microsoft® Excel-based applications that harnesses and extends the analytical power of spreadsheets. With Crystal Ball, you define variable inputs as realistic ranges, calculate all possible outcomes and record the results for later analysis and reporting. With insights gained from this approach, known as simulation, you can better understand the accuracy of your bottom line and pinpoint which factors most drive success.

Crystal Ball is a flexible tool that can be applied to solve almost any problem where uncertainty and variability distort spreadsheet forecasts. In addition to simulation, use your historical data to create accurate predictive models and search for optimal solutions that also account for uncertainty and constraints. Since Crystal Ball can quickly be applied to new or existing spreadsheet models, you can make the most of the technology you already own and use every day.

## SYSTEM REQUIREMENTS

Microsoft Windows® 2000 or XP operating system  
Microsoft Excel 2000, 2002 (XP), or 2003  
Microsoft .NET Framework 1.1

## DECISIONEERING SERVICES

Decisioneering offers regional training classes and on-site training and consulting, tailored for different industries, applications and customers. The regional classes, conducted frequently across the United States and Europe, cover introductory and advanced Crystal Ball, Crystal Ball for Six Sigma Practitioners, Crystal Ball for the Oil and Gas Industry and Real Options for Analysts. On-site training is customized for an organization's specific risk analysis and modeling needs and can include several of the customer's own models.

## ABOUT DECISIONEERING, INC.

Since 1986, Decisioneering, Inc. has been providing risk analysis software and solutions. With offices in the United States, United Kingdom and Germany, and an international network of partners, Decisioneering, Inc. provides customers worldwide with the tools, solutions and services they need to make better informed decisions.

### DECISIONEERING, INC.

**toll free USA** 1 (800) 289 2550  
**telephone** +1 (303) 534 1515  
**fax** +1 (303) 534 4818  
**e-mail** [sales@crystalball.com](mailto:sales@crystalball.com)

**web site** [www.crystalball.com](http://www.crystalball.com)

### DECISIONEERING (UK) LTD.

**toll free UK** 0800 1077858  
**telephone** +44 (0) 20 7814 7373  
**fax** +44 (0) 20 7724 1742  
**e-mail** [europe@crystalball.com](mailto:europe@crystalball.com)

### DECISIONEERING EUROPE GmbH

**telephone** +49 (0) 69 97503 401  
**fax** +49 (0) 69 97503 200  
**e-mail** [info.germany@crystalball.com](mailto:info.germany@crystalball.com)

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**DECISIONEERING**

## MARKETS SERVED

### INDUSTRIES

Academia Insurance  
Engineering Management/Consulting  
Environmental Oil & Gas  
Finance Pharmaceutical  
Healthcare Telecommunications

### APPLICATIONS

Commodities Trading Project Management  
Financial Analysis Real Options  
Petroleum Reserve Analysis Six Sigma  
Portfolio Analysis Toxicity Screening  
Process Modeling Value at Risk

### ORGANIZATIONS USING CRYSTAL BALL

3M GE  
Boeing Harvard Business School  
Deloitte & Touche Hewlett-Packard  
Deutsche Telecom Texaco  
Eastman Kodak TRW

*"The beauty of Crystal Ball is its simplicity and ease of use for novice users and its advanced capabilities for experienced users."*

-Tim Bohdan, IBM Global Services