Table of Functions of StatWorks/V5（English version）	
Functions	
Basic Procedure	Worksheet(1,000 column x 100,000 row,253 category)
	Data file I/O(CSV, TXT, Excel)
	Graphic file Output(bmp, jpeg, PNG, HTML)
	Data-transformation
	Batch process
Basic Analysis	Basic statistics/Correlation coefficient
	Frequency table/Multiple cross table
	MA chart
	Quick view
	Chart
QC Seven Tools	Cause-and-effect diagram
	Pareto diagram
	Histogram
	Control chart
	Scatter diagram
	Chart
Process Analysis	SPC
	MSA(Analysis by chart, Analysis of Stability, Analysis of Bias, Analysis of Linearity, GageR&R, Cross tabulation analysis)
	FMEA
	QFD
Design of Experiments	Factorial experiment(Planning, One-way layouts, Two-way layouts, Multi-way layouts)
	Orthogonal array(Planning, Orthogonal array)
	Response surface analysis(Response surface design, Optimization of Single response, Optimization of Multiple responses)
	Effect plot
Quality Engineering	Planning for Parameter design
	Robust parameter design
Multivariate Analysis	Simple regression analysis
	Multiple regression analysis / Quantification Method〔I〕
	Orthogonal polynomial regression
	Logistic regression analysis
	Principal Component analysis
	Quantification Method〔III〕
	Discriminant analysis / Quantification Method〔II〕
	Hierarchical cluster analysis
Reliability Analysis	Probability plot(Probability plot, Consider of distribution)
	Accelerated test model(original data, lifetime indicator)
Test and Estimation	Test and estimation of discrete data(Nonconforming ratio in population, Difference of nonconforming ratio in two populations, Number of defects in population, Difference of defects in population, m*n contingency table)
	Test and estimation of continuous data(Population variance, Ratio of two population variances, Uniformity for more than 3 population variances, Population, Difference between two population means, The difference of the two population means for the paired data, Test of outliers)
	Nonparametric test(Chi^2 test, Wilcoxon rank sum test, MOOD test, Kruskal-Wallis test, Wilcoxon signed rank test, Friedman test)
	Power of test and Sample size
	Calculation of probability