

Comparison of EngineRoom (6.0) with Minitab (16) and Quality Companion (3)

What is EngineRoom?

- A Microsoft® Excel® add-in
- A suite of powerful, simple-to-use Lean and Six Sigma data analysis tools
- Built for Lean Six Sigma professionals at all expertise (belt) levels
- All the most commonly used tools, templates, tests and charts, presented in the DMAIC order in which you work.
- Software that achieves the balance between Usability and Affordability

Why Is EngineRoom the Right Choice?

1. Cuts the Cost of Calculation

Deployments are switching to EngineRoom to help realize significant cost savings.

- An EngineRoom license starts at \$295 for a single license, with progressive discounts beginning at the purchase of 2 licenses.
- EngineRoom licenses and upgrades are about 10% of the cost of Minitab.
- To get all the features in EngineRoom, you would need both Minitab (16) and Quality Companion (3) for a total cost of \$2,290 per license.

2. Delivers the Tools You Use Most

EngineRoom provides all of the tools used by Green Belts and most Black Belts in 95% of projects.

- Over 55 Lean and Six Sigma tools, templates, tests and charts
- Includes Lean and Design for Six Sigma (DFSS) tools not found in comparable software.
- Organized in the DMAIC order in which you work, from project planning to completion.

3. Takes Advantage of Excel

As an Excel-based program, EngineRoom is instantly familiar.

- Almost everyone owns and uses Excel, so EngineRoom requires no special training - the learning curve is greatly shortened.
- Anyone with Excel can view the results and output, irrespective of whether or not they have EngineRoom.
- EngineRoom appears as a menu or ribbon in Excel, providing the tools you need with a click of a mouse.



4. Designed for Ease of Use

Your focus should be on the data, not on how to use the tools.

- The tools are simplified, contain step-by-step instructions and color coding, and provide easy-to-interpret, annotated output.
- Patented EngineRoom wizards (Hypothesis testing and DOE) guide novices to the appropriate test/design, while experienced users can bypass them.
- Many tools flow naturally into others, such as Affinity Diagrams > CTQ Trees > QFD/Cause & Effect Matrix > Input Screening Report > Control Plan.

5. Supports the Training Process

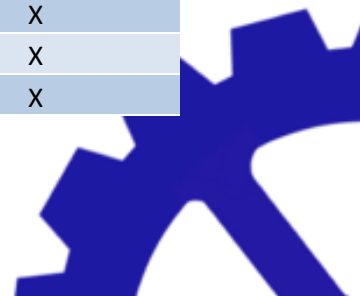
EngineRoom resource materials are configured to help Belts in training.

- EngineRoom is closely connected to the online MoreSteam course content through tutorials and practice exercises.
- Help files contained within EngineRoom include screenshots, definitions, and instructions.
- Online Resource Center is a growing central portal for all things EngineRoom, including news, updates, and helpful links.

Tool Comparison Table

Tools	Minitab Quality Companion 3	Minitab 16	EngineRoom 6.0
Single license	\$895	\$1,395	\$295
Upgrades	\$375	\$595	\$95

Order	Six Sigma Specific Tools	Minitab Quality Companion 3	Minitab 16	EngineRoom 6.0
1	Project Charter	X		X
2	Process Map	X		X
3	Balanced Scorecard Analysis	-		X
4	Project Prioritizer	X		X
5	Affinity Diagram	X		X
6	Gantt Chart	X		X
7	CTQC Tree	X		X
8	QFD	X (House of Quality)		X
9	Sigma Level Calculator	X		X
10	SIPOC	X		X
11	Value Stream Map	X		X

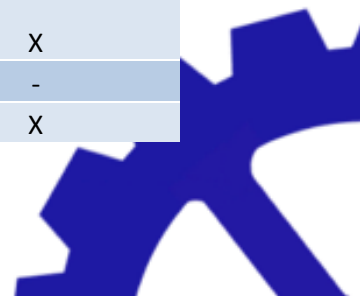


12	Check Sheet	X		X
13	Input Screening	-		X
14	Data Measurement/Collection Plan	X		X
15	Pugh Matrix	X		X
16	Corrective Action Matrix	-		X
17	Fishbone (C&E) Diagram	X		X
18	Cause & Effect Matrix	X		X
19	Monte Carlo Analysis	-		X
20	Solution Selection	X		X
21	Control Plan	X		X
22	Project Closeout template	X		X
23	FMEA	X		X
24	Flowchart	X		X
25	Financial Analysis	X		X
26	Project tracking capability	X		X (Gantt chart)

	Lean Tools	Minitab Quality Companion 3	Minitab 16	EngineRoom 6.0
1	Little's Law	-		X
2	5 Why	-		X
3	Value Stream Analysis	X		X
4	Process Load Balance	-		X
5	A-3 Template	-		X
6	5S (CHECK) checklist	X		X
7	OEE form	-		X
8	Standard Work	-		X

	Data Manipulation	Minitab Quality Companion 3	Minitab 16	EngineRoom 6.0
	Descriptive Statistics		X	X
	Pivot Table		X	-

	Graphical	Minitab Quality Companion 3	Minitab 16	EngineRoom 6.0
1	Pareto Chart		X	X
2	Dotplot		X	X
3	Histogram		X	X
4	Box Plots		X	X
5	Scatter plot/Matrix plot		X	X
6	Trend/Run Chart/Time Series Plot		X (includes Test of randomness)	X
7	MultiVari Charts		X	-
8	Capability Analysis		X	X



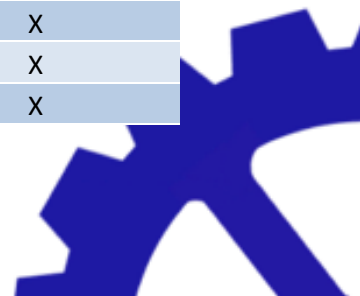
	Measurement System Analysis	Minitab Quality Companion 3	Minitab 16	EngineRoom 6.0
1	Gage R&R (Xbar-R)		X	X
2	Gage R&R (ANOVA)		X	X
3	Attribute MSA		X	X

	Statistical Process Control	Minitab Quality Companion 3	Minitab 16	EngineRoom
	Variable			
1	XmR/ ImR		X	X
2	Xbar-R		X	X
3	Xbar-S		X	X
4	CUSUM		X	X
5	EWMA		X	X
	Attribute			
1	p		X	X
2	np		X	X
3	c		X	X
4	u		X	X

	Process Capability Analysis	Minitab Quality Companion 3	Minitab 16	EngineRoom
1	Process Capability Analysis - Short		X	X
2	Process Capability Analysis - Complete		X	X

	Correlation and Regression Analysis	Minitab Quality Companion 3	Minitab 16	EngineRoom 6.0
1	Correlation Matrix		X	-
2	Simple Regression		X	X
3	Multiple Regression		X	X
4	Logistic (Binary) Regression		X	X
5	Ordinal Regression		X	-

	Hypothesis Tests	Minitab Quality Companion 3	Minitab 16	EngineRoom 6.0
	Parametric			
1	1 Proportion Z		X	X
2	2 Proportions Z		X	X
3	Multiple Proportions Chi-Square		X	X
4	1 Mean Z		X	X

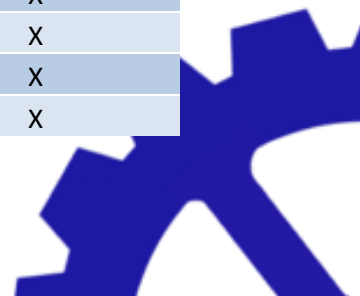


5	2 Means Z		X	X
6	1 Mean t		X	X
7	2 Means (paired) t		X	X
8	2 Means (pooled) t		X	X
9	2 Means (independent) t		X	X
10	One-way ANOVA		X	X
11	Two-way ANOVA		X	-
12	One Variance Chi-Square		X	X
13	Two Variances F		X	X
14	Multiple Variances F (homogeneity)		X	X
15	ChiSquare Test of Independence		X	-
	Non-Parametric			
1	1 Sample Sign		X	X
2	1 Sample Wilcoxon		X	X
3	Paired Sample Sign		X (use 1-sample test)	X
4	Paired Sample Wilcoxon		X (use 1-sample test)	X
5	2 Sample Mann-Whitney		X	X
6	Mood's Median		X	-
7	Kruskal Wallis		X	X
8	Friedman		X	X

	Confidence Intervals	Minitab Quality Companion 3	Minitab 16	EngineRoom 6.0
1	Mean		X	X
2	Std Dev		X	X
3	Proportion		X	X
4	Cp, Cpk		X	X

	Normality	Minitab Quality Companion 3	Minitab 16	EngineRoom 6.0
	Normality Test		X	X
	Normal Probability Plot		X	X

	Power and Sample Size	Minitab Quality Companion 3	Minitab 16	EngineRoom 6.0
1	Estimate 1 Proportion		X	X
2	Estimate 1 Mean		X	X
3	1 Mean t test		X	X
4	2 Means t test		X	X
5	One way ANOVA		X	X
6	Design of Experiments (DOE)		X	X



	Design of Experiments	Minitab Quality Companion 3	Minitab 16	EngineRoom 6.0
1	Two-level Full Factorials		X (2-15 factors)	X (2-6 factors)
2	Two-level Fractional Factorials		X (2-15 factors)	X (3-8 factors)
3	General Factorials		X (2-15 factors)	X (2-5 factors, <=5 levels each)
4	Plackett-Burman Designs		X (2-47 factors)	-
5	Response Surface Methods		X (2-10 factors)	-
6	Mixture Designs		X (2-10 factors)	-
7	Taguchi Designs		X	-

