

## Segmented Project Planner – A Short History

The program was born out of a need to reduce errors encountered when designing segmented rings using a simple CAD program. When a search of the Internet failed to come up with a viable design tool, the decision was made to create one. This activity began in June of 2001 and culminated in a working tool in November of the same year. It worked so well, the program was put up on the WEB to see if anyone else would be interested. The first sale occurred on Christmas Eve, 2001.

That first program was rather simple with a file size of only 284kb. The program has been continuously improved with added functionality and has now become the most complete design tool available for segmented projects with a current main program size of 2.68mb. The users of the program, now numbering in excess of 4,552 in 42 countries, and using the program more than 250 times per week, have been a significant force and source of ideas for program enhancements.

The following briefly recounts the significant additions and changes that have been made through the course of releases made since 2001:

Version	Release Date	Changes
1.03	03/2002	Zooming of side & top views added. Solid layer defined.
1.04	05/2002	Created "Named Colors" & "Segment Designs/Mosaics"
1.05	06/2002	Added "AutoBowl" and project export
1.06	09/2002	Layer numbers, more zoom levels, metric units
1.07	10/2002	Local rings, staggered layers, "Sketch-A-Bowl"
1.08	12/2002	Undo, paint functions expanded
2.00	03/2003	Redesigned primary dialog, "Gallery View", intelligent inserts, painting with pictures, open segments, vertical spacers, incline angle calculator
2.01	01/2004	"Layer Tuner", create shape from project, project document
2.02	07/2004	"Sketch Pad", Ring Master support
2.03	09/2005	"ZigZag" & "Diamond" designers, variable stagger
2.04	09/2006	Bezier curves, expanded sample shapes, "Combine Layers", "Current Layer Details"
2.05	03/2007	Support for Vista OS, improved segment painting
2.06	01/2008	Automatic software updates, project design efficiency improvements
2.07	01/2009	Improved Vista support, "Design Assistant", "Shape Report"
3.00	06/2010	"Shape-A-Bowl", Plug-In environment, new help system, volume calculator, Diamond Border Designer and Slicer Designer Plug-Ins
3.01	03/2011	Layer Tuner expanded to include Stagger and trim display to walls
3.02	05/2012	Project Report modifiable for content and column colors. All dialogs made resizable to support "tired" eyes.
3.03	06/2013	Restructured segmented project logic into object oriented design to separate code used to manipulate project information from code involved with display and human interface to provide a more robust program.
3.04	09/13	Collapsed all code (including designers) into a single unit. All downloads are now a bit longer, but gone are the Active-X Create errors. When program upgrades occur, it is no longer necessary to separately

		<p>download and install purchased plugin designers.</p> <p>Corrected metric units activities project generation in Shape-A-Bowl, Upper/Lower Diameter in LayerTuner, Shape Report.</p> <p>Enabled automatic grid column width adjustment to what is needed in main dialog.</p> <p>Modified ZigZag Designer display and report for improved clarity. Modified Diamond Border Designer display and report for improved clarity/readability.</p>
3.05	3/17	<p>Added layer display to shape display so a user can visualize where layer boundaries will be.</p> <p>Added Feasability Report checking Max Planer, Max Lathe, Max Steady Rest, and Max Foot. Report can be manually called from file Print menu or automatically via a preference whenever Project Report or CutList are exercised.</p> <p>Added display of space for plug in bottom layer for detail side view.</p> <p>UnDo and ReDo controls added for shape and project changes.</p> <p>Project cost model supports user determination of project prices.</p>