

MPANEL NEWS

Form-finding and patterning software for AutoCAD

August 2007



MPanel v12.5 releasing week of August 20, 2007

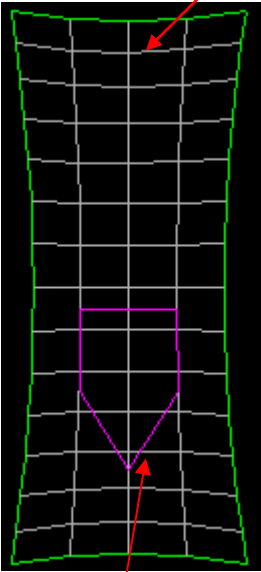
Our latest MPanel release, v12.5, is full of exciting new features. If you are an MPanel customer with a current Support Contract then you will be receiving this new release automatically. If your Support Contract has expired, please [contact us](#) for information on how to renew.

MPanel v12.5 new features include:

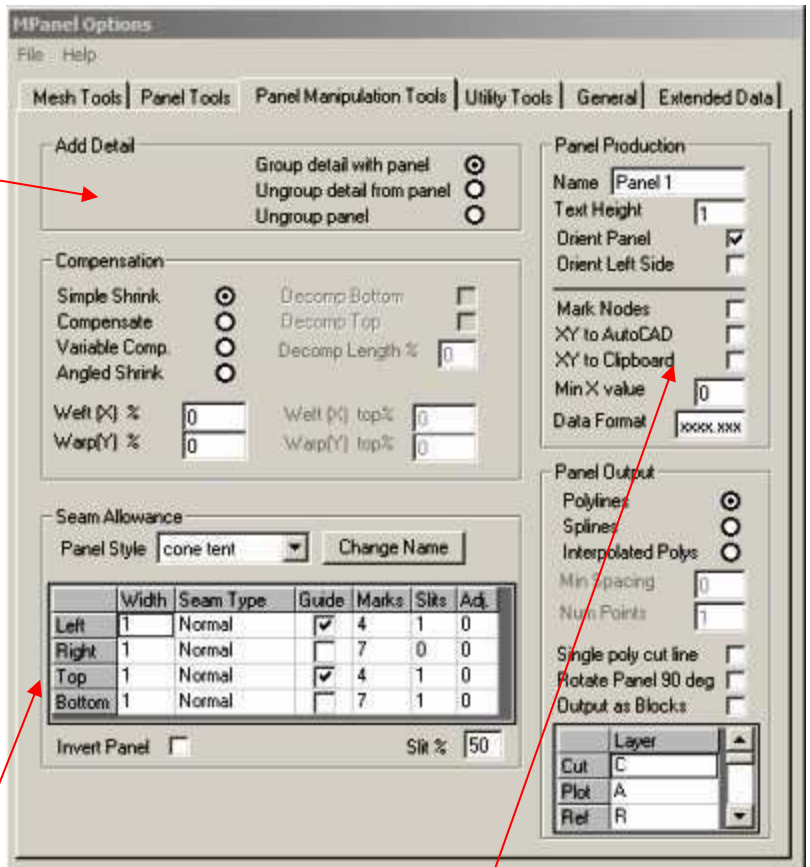
- You can now increase the mesh density by specifying `nsurf` and `msurf` values. This allows you to easily make a high definition model and also helps with direct paneling from a mesh.
- You can now place markers for graphics, cutouts, etc on your drawing using our new option to draw the internal grid on panels. These markers are carried through all of the production phases.
- When designing and producing hypars and triangular frame tents, you can now create triangular panels. Seam allowances, compensation, production, and output are all carried through correctly.
- New output and marking features include additional layers to better control output for plotters, slits for key-hole reliefs in catenary edges, and new seaming options, all resulting in significant productivity improvements.
- Improved handling of paneling distortions at high shear strains. High shear strain panels are used on cost sensitive jobs, and also jobs involving shade cloth.

Some of the new features are show below. More detailed documentation is included with the shipment of MPanel v12.5.

Detail can now be placed on the internal grid, and is carried through MPanel functions such as compensation, seam allowance, stamping, etc. Add Detail is also helpful in adding corner plate detail to a panel.



Magenta indicates detail placement marker, in this case a company logo.



Our new Seams dialogue box now has 10 seam styles that you can name and save for each project.

There is now an option to draw panel coordinates directly into AutoCAD, and/or onto the clipboard for a spreadsheet. Coordinates can be drawn in, sized and located with reference to the panel.

Panel_4			A			B			C		
PT	X	Y									
1	0.000	0.000	1	Panel 4							
2	1.275	9.267	2	PT	X	Y					
3	2.569	19.476	3		1	0					
4	3.764	30.400	4		2	1.275	9.267				
5	4.770	41.843	5		3	2.569	19.476				
6	5.526	53.645	6		4	3.764	30.4				
7	5.994	65.672	7		5	4.77	41.843				
8	6.152	77.807	8		6	5.526	53.645				
9	5.993	89.943	9		7	5.994	65.672				
10	5.525	101.97	10		8	6.152	77.807				
11	4.768	113.77	11		9	5.993	89.943				
12	3.761	125.21	12		10	5.525	101.97				
13	2.566	136.13	13		11	4.768	113.772				
14	1.272	146.34	14		12	3.761	125.215				
15	-0.004	155.61	15		13	2.566	136.138				
16	16.510	153.41	16		14	1.272	146.348				
17	32.945	152.68	17		15	-0.004	155.614				
18	49.381	153.41	18		16	16.51	153.414				
19	65.895	155.61	19		17	32.945	152.682				
20	64.619	146.34	20		18	49.381	153.414				
21	63.325	136.13	21		19	65.895	155.614				
22	62.130	125.21	22		20	64.619	146.348				
23	61.123	113.77									
24	60.366	101.97									
25	59.898	89.943									

IFAI EXPO 2007... Design Workshops using MPanel

The IFAI is presenting 3 design workshops during the Expo 2007, being held in Las Vegas on October 3-5. there will be workshops on **Banners, Exhibits & Displays, Awnings & Canopies, and Tents & Tensioned Structures**. These are 2 hour sessions and will be conducted by our own Timothy Akes, US distributor for MPanel Software.

To register for the above workshops, or for additional information, go to the IFAI [website](#), phone 866-988-0677, or email bjconnett@ifai.com

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