

Multi-Job Dynamic Panel Optimizer Webinar June 02, 2020



***** How does it work?

- All attendees are muted during the webinar
- Questions can be asked using the 'Questions' button
- Answers will be handled at the end of the webinar
- After the webinar, a copy can be downloaded

***** Who does the work?

- Moderator: Karel Langhout
- Co-Moderator: Sylvia Liemer



*** Webinar content**

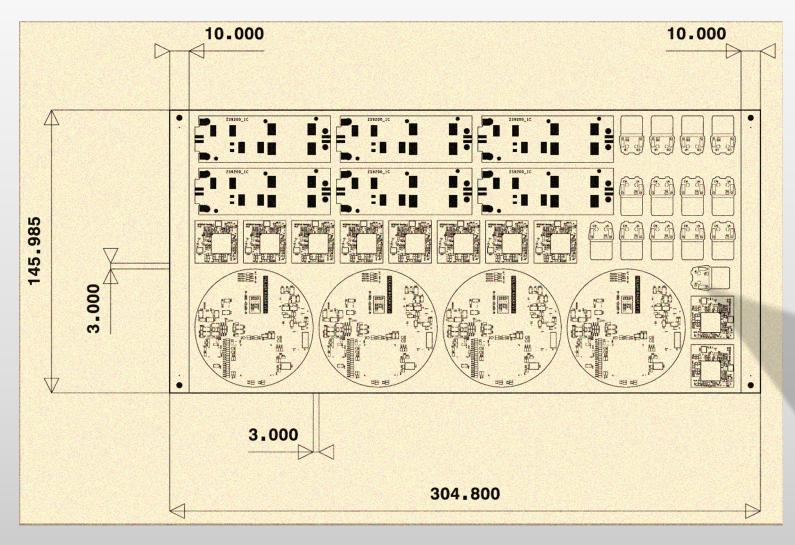
- Short Ucamco introduction
- MultiJob Dynamic Panel Optimizer introduction
- Live demonstration of MultiJob Dynamic Panel Optimizer
- **Questions and Answers**

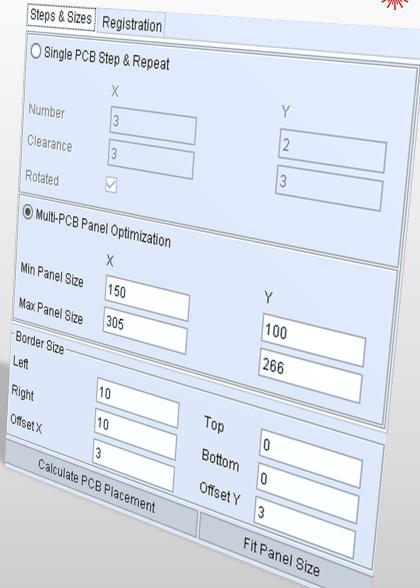
* Serving the global PCB industry

- * Laser Photoplotters/Ledia DI
 - Best-in-class performance
 - Long-term reliability
 - Constant evolution
- ***** PCB manufacturing software
 - Integr8tor, UcamX
 - Web-based: iamcam, Communic8tor
- ***** PCB bundled front-end software
- ***** Gerber developments: X2, X3, Gerber Job







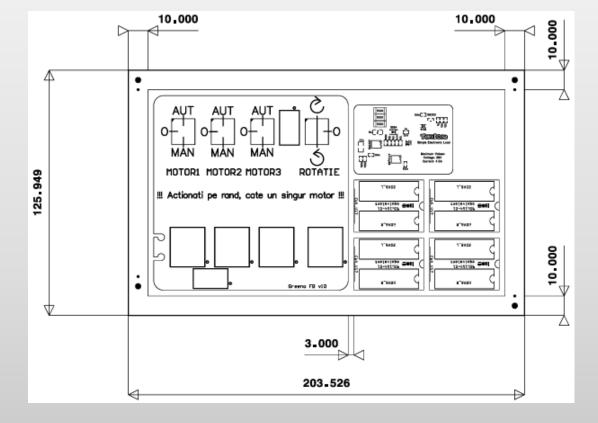






- Integr8tor analyses the customer data
- Solution needed to create assembly panel design using several datasets
- MDPO is the solution
- Stand alone application
 - DPF/ODB++ Jobs

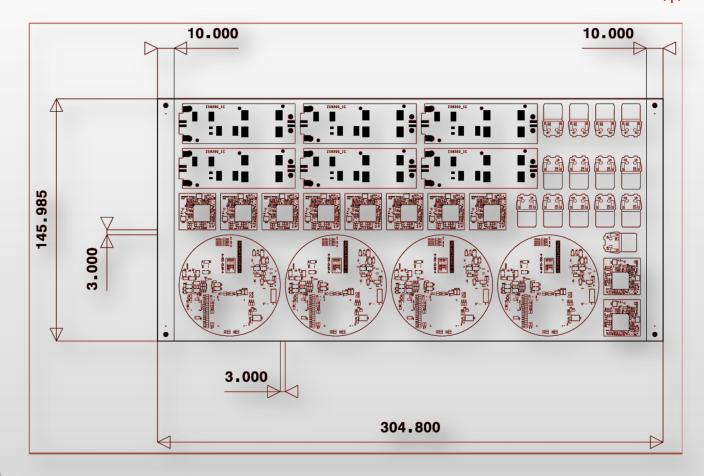
Id	Handler	CUSTOMER REFE	Original Data	Location
49		Project C	WC2555_single.zip	🔢 QED With Image Data
48		Project B	WB2355_Mirror.zip	QED With Image Data
47		Project A	WA2354_LeftRight.zip	QED With Image Data
46		Project A	WA2354_Motor.zip	■■ QED With Image Data
45		Project A	WA2354_Main.zip	QED With Image Data





***** Features

- Create PDF assembly panel drawings
- Send the assembly panel layout to your customer at the time of quotation
- Including panel rail information as well as tooling holes and fiducial locations



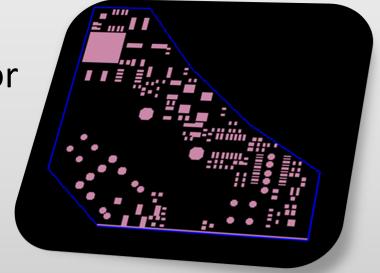




Connects live to Integr8tor job queue to pick up the jobs required to go onto the assembly panel

Tie	Add from Ir	ntegr	8tor						×
ld	Handler		Original Data	#C	X Size	Y Size	Customer	Location	
49			WC2555_single.zip	2	73	51		QED With Image Data	^
48			WB2355_Mirror.zip	2	76	71,5		QED With Image Data	
47			WA2354_LeftRight.z	2	26,8	35,79		QED With Image Data	1
46			WA2354_Motor.zip	2	99,95	99,95		QED With Image Data	
45			WA2354_Main.zip	2	50,8	35,56		QED With Image Data	u
4.4			1517 -in		100	400		OFD With Imaga Data	T
								Add	d

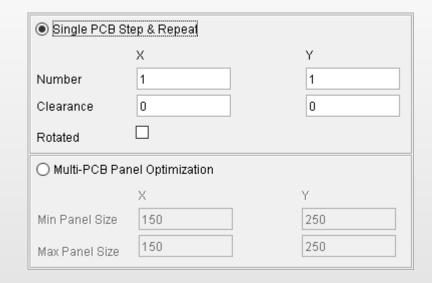
 Combines PCB outline and legend layers for clear visualization and easy recognition





Features

- Allows the design of single-job (same PCB) as well as multi-job (different PCBs) assembly panels
- Calculates several assembly panel layouts and sizes and reports the panel usage for each of them

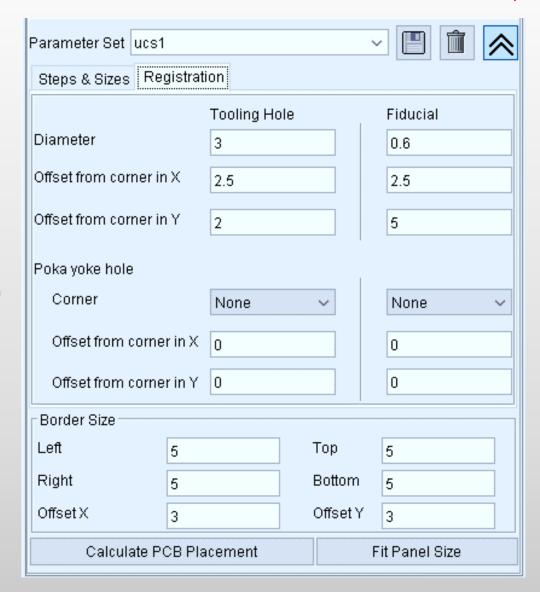


ID	Panel Usage (%) 1	#Panels	Panel Size X	Panel Size Y
1	61	1	204,948	181,098
1	61	1	155,999	239,01
1	61	1	155,999	239,01
1	60	1	155,999	240,509
1	59	1	164,738	231,746
1	59	1	186,892	206,146
1	59	1	164,509	231,746
1	59	1	297,508	128,797
1	58	1	210 500	127 200



Features

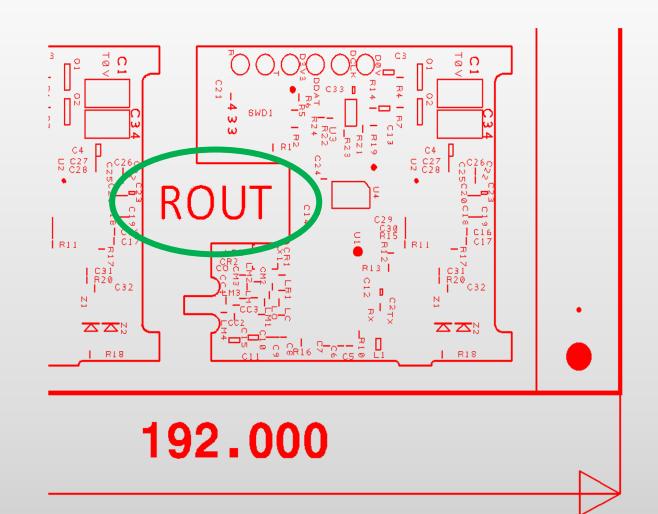
- Automatically dimensions sizes and spaces on the panel drawing
- Visualizes assembly panel tooling holes and fiducial locations





Features

Outputs the assembly panel drawing in **DPF** format for further use with UcamX' dimensioning tool in case additional call-outs or instructions are required







Includes a convenient **QED PDF report**

listing the various PCBs on the assembly panel and the consolidated panel design minima.

Panel Name	ues2		Report Generated on			29-Oct-2018 13:57:15			
						1			
Miscellaneous									
Job Name	Routed Holes	Routed Holes Testable Point		Solder	mask	Legend			
		Тор	Bottom	Тор	Bottom	Тор	Bottom		
TopSolderMask_i8	0	733	85	yes	yes	yes	ує		
L41EUC_1_01_0_GERBER	1	365	100	yes	yes	yes	уe		
Panel	4	2,926	570	yes	yes	yes	ye		

0.06

0.09

0.42

0.57

omposition						73	0.09	68	1.53	
							0.08	57	1.17	
Job Id	Job Name	# on panel Size								
					mm x mm					
861 TopSolderMask_i8		2	2 80.000 x 99.300			L41EUC_1_01_0_GERBER			Panel	
860	L41EUC_1_01_0_GERBER	Design Rule C	Design Rule Checks							
Panel			Job Name	Min. End Dia.	Min. Critical Width	Trace	Min. Clr. to Copper	Min. Clr. to Pla Hole	ed Min. Clr. to NP7	TH =
				mm		mm	mm		mm	mm
		TopSolderMa	isk_i8	0.254		0.152	0.081	0.	292	
		L41EUC_1_0	1_0_GERBER	0.400		0.250	0.210	0.	248 0.0	006
		Panel		0.254		0.152	0.081	0.	248 0.	006

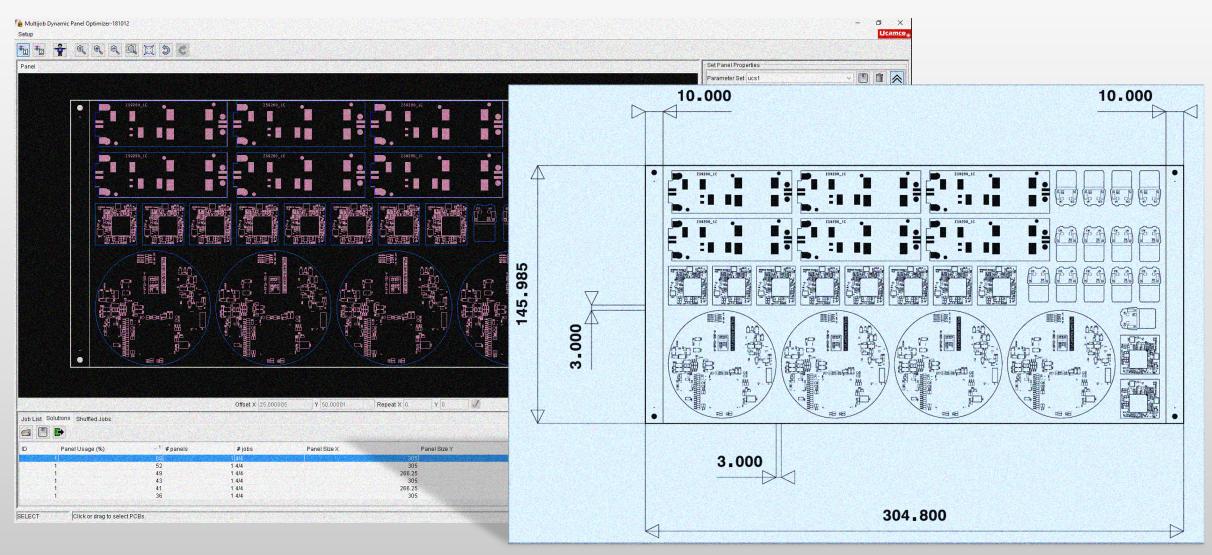
1.09

1.51





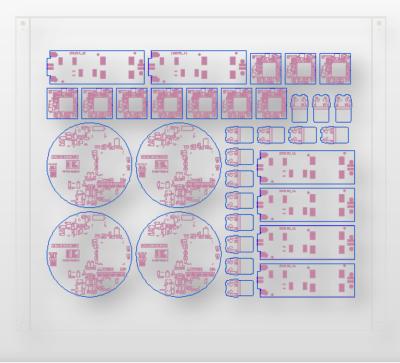
Live demo

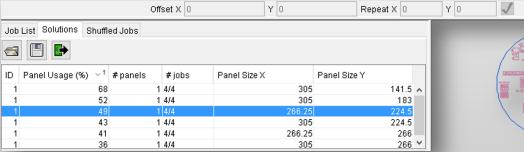




Benefits

- Avoid costly mistakes or misunderstandings
- Clear assembly panel drawing and report
- Reduce material costs by selecting the optimum assembly panel size







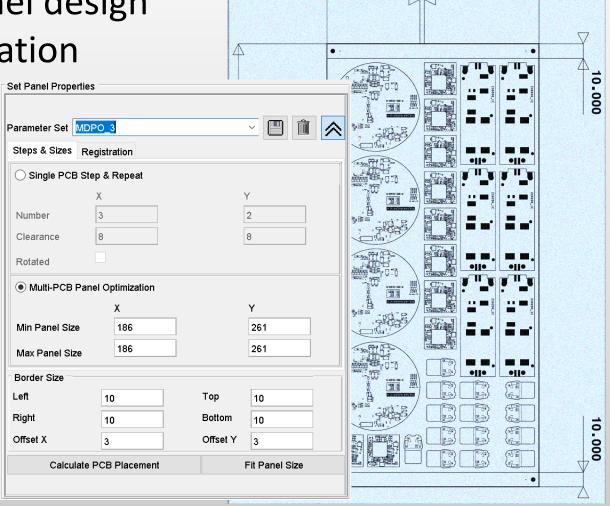
145.985

3.000



Speed up of the assembly panel design and the necessary documentation

- Design of consistent and high-quality assembly panels
- Storing and retrieving settings to a panel setup library





* Thank you!

Interested? Request a trial version at sales@ucamco.com

Unanswered questions will get a response later this week via email.

Use your feedback to add future webinar topics.

We will inform you about any new webinars coming up.

Thank you for attending this webinar.

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