

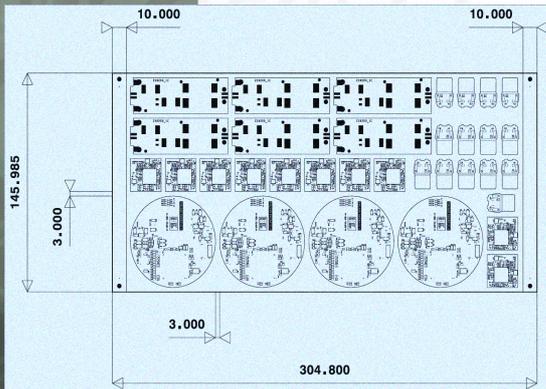
SOFTWARE

LASER PHOTO PLOTTERS

DIRECT IMAGERS

MultiJob Dynamic Panel Optimizer

Create panel drawings, reports and documentation



- Reduce material costs
- Speed up assembly panel documentation
- Unambiguous assembly panel drawing and report
- Automatic dimensioning
- Time saving parameter sets
- Standalone or Integr8tor client tool

MARKETS

- ✓ Rigid PCB Mfr
- ✓ Flex PCB Mfr
- ✓ Flex-Rigid PCB Mfr
- ✓ HDI PCB Mfr
- ✓ PCB Masslam Mfr
- ✓ PCB Equipment Mfr
- ✓ PCB Traders
- ✓ PCB Designers
- ✓ PCB Test Centers
- ✓ IC Packaging
- ✓ Chemical Milling
- ✓ High Resolution Graphic Arts
- ✓ Flat Panel Display

PRODUCT FAMILIES

- ✓ CAM
- ✓ PreCAM and Engineering
- Electrical Test
- Equipment Front Ends
- Format Converters & RIP's
- OEM Software

Laser Photo Plotters
Direct Imagers

64 Bit

Multi Core

Reduce material costs

Reduce material costs by selecting the optimum assembly panel size for either a single PCB or a multi PCB panel. Pick your optimum solution from a list of possible panels containing percentage panel usage, panel sizes and job counts.

Design of consistent and high-quality assembly panels

Allows the design of single-job (same PCB) as well as multi-job (different PCBs) assembly panels. Visualizes dimensions, fiducial locations and tooling hole positions.

Storing and retrieving settings to a panel setup library

Speed up the creation of necessary panel documentation by storing and retrieving Parameter Sets.

Clear assembly panel drawing and report

MultiJob Dynamic Panel Optimizer provides a convenient QED PDF report listing the various PCBs on the assembly panel and the consolidated panel design minima to avoid costly mistakes or misunderstandings.

Automatic dimensioning and customized drawings

MultiJob Dynamic Panel Optimizer adds the necessary dimensions like spaces and sizes automatically to the drawing. For customized drawings it outputs the assembly panel drawing in DPF format for further use with the UcamX' dimensioning tool in case additional notes or instructions

Ucamco protects your Investments

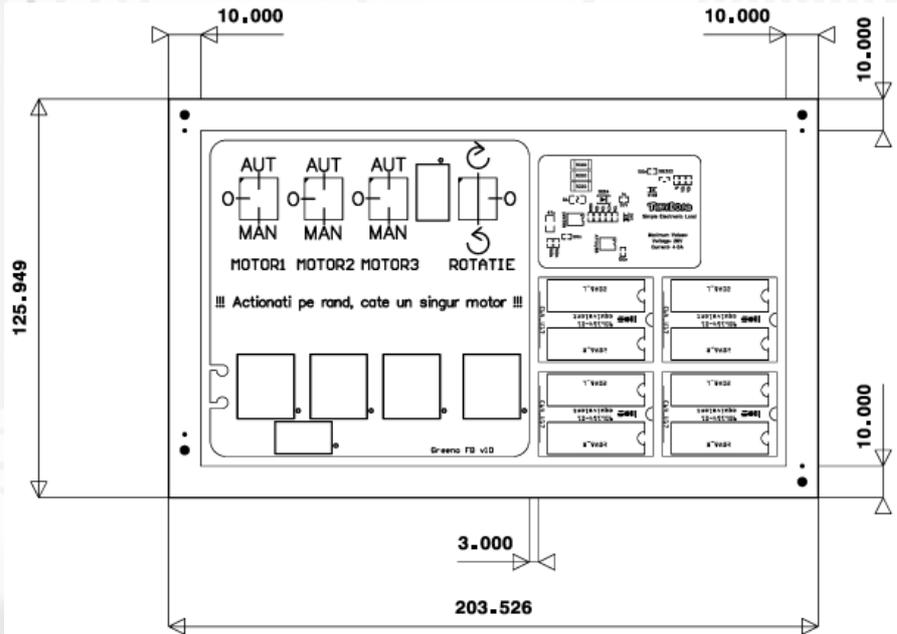
Ucamco has a longstanding tradition of protecting its customer's investments. **YELO Legend Adjuster** is no exception: it seamlessly works with your existing **UCAMX** installation and reuses all of the available software setups or precious automation that you have diligently gathered and carefully maintained over the years.

Direct link to the MDPO feature page



For more information on any of our products or services please contact us:
Email: info@ucamco.com
Web: www.ucamco.com

Clear assembly panel drawing



Uncluttered easy-to-use GUI

Multijob Dynamic Panel Optimizer-200407

Setup

Panel

Set Panel Properties

Parameter Set: MDPO_2

Steps & Sizes Registration

Single PCB Step & Repeat

Number: X=3, Y=2

Clearance: 8

Rotated:

Multi-PCB Panel Optimization

Min Panel Size: X=100, Y=100

Max Panel Size: X=410, Y=275

Border Size

Left: 10, Right: 10, Top: 10, Bottom: 10

Offset X: 3, Offset Y: 3

Calculate PCB Placement, Fit Panel Size

Editing toolbox

Job List Solutions Shuffled Jobs

ID	Panel Usage (%)	# Panels	# Jobs	Panel Size X	Panel Size Y
1	54	13/2		193.622	101.862
1	33	13/3		332.5	100
1	27	13/3		410	100
1	23	13/3		332.5	143.75
1	18	13/3		410	143.75
1	17	13/3		332.5	187.5
1	14	13/3		332.5	231.25
1	12	13/3		332.5	275
1	11	13/3		410	231.25
1	9	13/3		410	275

Offset X: 0, Y: 0, Repeat X: 0, Y: 0

1 0/9 151.65154 104.99715

QED PDF Report

Multijob Panel QED Report Integr8tor

Panel Name	ucs2	Report Generated on	29-Oct-2018 13:57:15
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Job Name	Routed Holes	Testable Points		Soldermask		Legend	
		Top	Bottom	Top	Bottom	Top	Bottom
TopSolderMask_i8	0	733	85	yes	yes	yes	yes
L41EUC_1_01_0_GERBER	1	365	100	yes	yes	yes	yes
Panel	4	2,926	570	yes	yes	yes	yes

L	TopSolderMask_i8		L41EUC_1_01_0_GERBER		Panel	
	dm ²	%	dm ²	%	dm ²	%
1	0.42	53	0.06	45	1.09	44
2	0.57	72	0.09	68	1.51	61
3	0.58	73	0.09	68	1.53	62
4	0.43	54	0.08	57	1.17	48

Job Id	Job Name	# on panel	Size
861	TopSolderMask_i8	2	80,000 x 99,300
860	L41EUC_1_01_0_GERBER	4	34,500 x 39,250

Job Name	Min. End Dia.	Min. Critical Trace Width	Min. Cir. to Copper	Min. Cir. to Plated Hole	Min. Cir. to NPTH
TopSolderMask_i8	0.254	0.152	0.081	0.292	
L41EUC_1_01_0_GERBER	0.400	0.250	0.210	0.248	0.006
Panel	0.254	0.152	0.081	0.248	0.006

Storing and retrieving settings from a panel setup library

Set Panel Properties

Parameter Set: MDPO_3 [Save] [Delete] [Up]

Steps & Sizes: **Registration**

Single PCB Step & Repeat

X: 3 Y: 2
 Clearance: 8 8
 Rotated:

Multi-PCB Panel Optimization

X: 186 Y: 261
 Min Panel Size: 186 261
 Max Panel Size: 186 261

Border Size

Left: 10 Top: 10
 Right: 10 Bottom: 10
 Offset X: 3 Offset Y: 3

Calculate PCB Placement Fit Panel Size

Gerber Format

Convey your design intent from CAD to CAM
 The Gerber format now offers support for CAD netlist, Nested Step & Repeat and Fabrication documentation

Scan this QR code to find:

- Gerber format info
- Gerber Reference Viewer
- Gerber format Specification



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