

Ucamco  
Bijenstraat 19

9051 Gent  
Belgium

## UcamX v2021.12

# UcamX v2021.12

We proudly present the latest version of our groundbreaking CAM software for Rigid, Flex and HDI PCBs.

Upgrade now to enjoy all the new exciting functionalities!



YELO

Extensions to  
YELO Adjusters

## YELO Copper Adjuster

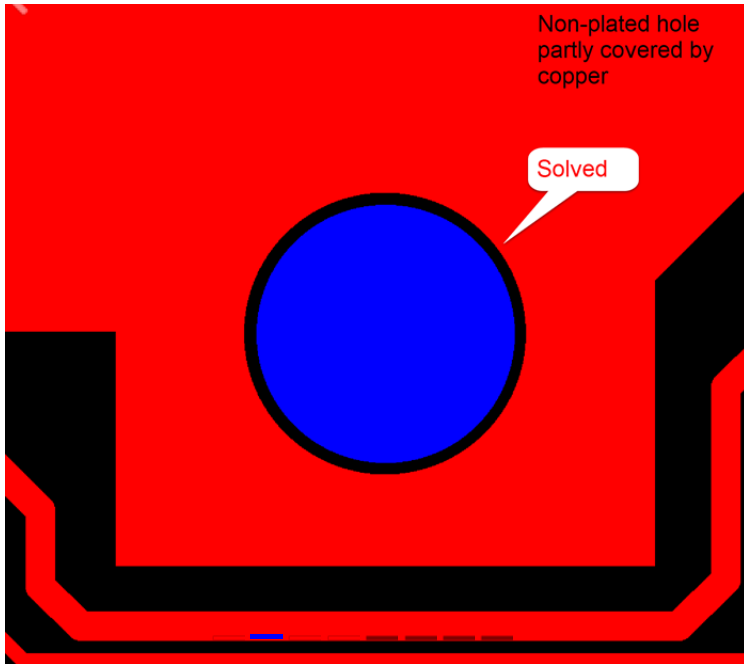
### Extension

- New copper adjustment of **non-plated holes** and **non-plated slots**
- Avoids manual handling in CAM
- Less intervention in production

*(Additions to existing Copper Adjuster license)*

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## YELO Legend Adjuster

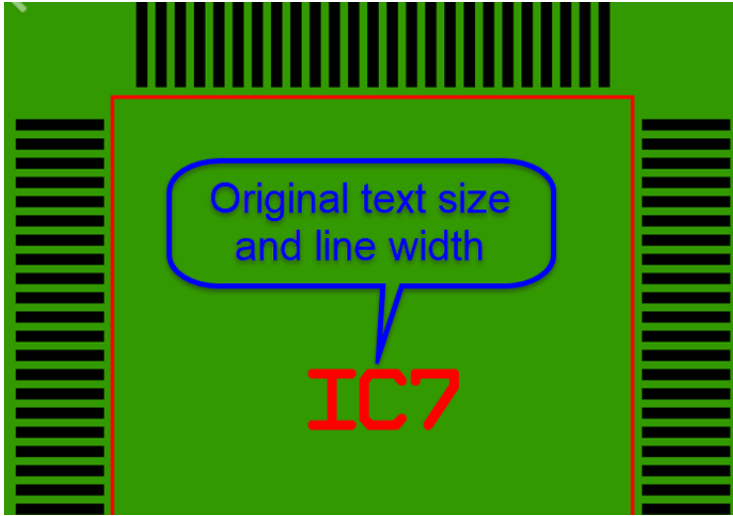
### Extension

- One click to specify if the **text line width** should be **scaled** at the same time as all text size.
- No time-waste for adapting aperture sizes

*(Additions to existing Legend Adjuster license)*

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## YELO Mask Adjuster

### Extension

- New **adjustment** of mask for **non-plated** holes
- Automatic correction in case of wrong openings
- Option : "Ignore rings bigger than set value"

*(Available to customers under maintenance and with the existing Soldermask Optimizer license)*

YELO Mask Adjuster (Beta)

Parameter Set  
YELO-MAJ

Data Preparation  
Drill Tool Manager Markup Assistant

Ring Handling  
Ring 0.05  Ignore rings bigger than set value  
Copper overhang 0.05  
Solder web 0.1 Mask to Mask 0.08  
Adjust

Outline Handling  
Edge Clearance 0.3  
Copper Overhang 0.05  
Adjust

Via Handling  
 Remove existing via mask openings  
 Ignore rings larger than set value

	Reference			
	Pad	Hole	Ring +/-	Middle
<input checked="" type="checkbox"/> Via pad free or partially free of mask	<input type="radio"/>	<input checked="" type="radio"/>	0.025	<input type="radio"/>
<input checked="" type="checkbox"/> Via pad fully covered by mask	<input type="radio"/>	<input checked="" type="radio"/>	0.05	<input type="radio"/>
<input checked="" type="checkbox"/> Via without via pad, hole free or partially free of mask	<input checked="" type="radio"/>	<input type="radio"/>	0.075	<input type="radio"/>
<input checked="" type="checkbox"/> Via without via pad, hole fully covered by mask	<input checked="" type="radio"/>	<input type="radio"/>	0.1	<input type="radio"/>

Adjust

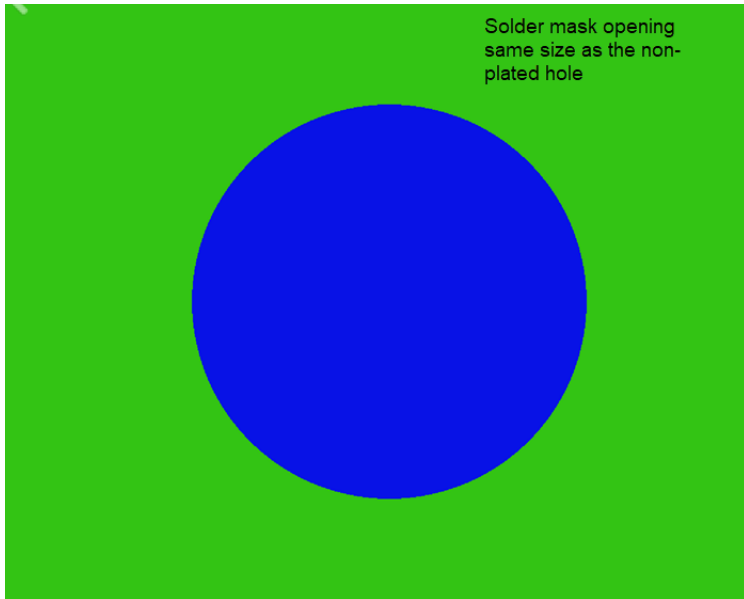
Tombstone and Solder Escape Prevention  
Ring for pads in copper (pour) 0  
Ring reduction for copper (pour) without pad 0  
Ring on connecting tracks 0.025  
Ring for clearance of standard ring to connecting tracks 0.05  
Solder mask width at the corner 0  
The narrowest width of solder mask 0  
Adjust

Non-plated Handling  
Ring 0.1  Ignore rings bigger than set value  
Adjust

Eliminate negative objects in mask  
 Backup original layers  
Adjust All Cancel

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## DXF Input

### Extension

- Support for **ELLIPSE** and **SPLINE** added to DXF Input
- Handle a bigger variety of DXF files

*(Additions to existing DXF input license)*

ARC	DIMENSION	MTEXT	RTEXT
ARCALIGNEDTEXT	INSERT	POINT	SEQUEND
ATTDEF	LEADER	POLYLINE	TEXT
ATTRIB	LINE	VERTEX	HATCH
CIRCLE	LWPOLYLINE	REGION	<b>SPLINE</b>
<b>ELLIPSE</b>			

## Rout Manager

### Optimization of Insert Overlap

- The position of the overlap is now selectable via mouse click
- Higher flexibility to create overlaps

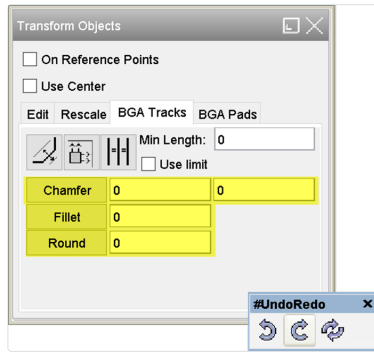
*(Additions to existing license)*

# Transform Objects

## Extensions

- UNDO/REDO now available for corner modifications in the BGA Tracks tab of Transform Objects
- **Easier handling** on inserting Chamfer, Fillet and Round
- Check a possible modification and UNDO if it does not fit the requirements

*(Additions to existing license)*

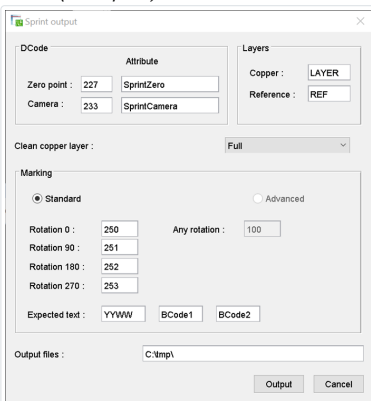


# Inkjet Output

## New Output

- **New inkjet output** for Sprint machine

*(New option)*



# ODB++ Output

## Extension

- A **new option** in the CAD resource file: output arcs in the job outline layer either as true arcs or approximated by straight lines
- Work around limitations of software that cannot handle arcs in the ODB++ profile

*(Additions to existing ODB++ Output license)*

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**And more ...**

UcamX v2021.12 comes with a host of [fixes](#) for issues you have cared to report.

Please keep on doing so. Your feedback is highly appreciated.

Thank you!

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## Install v2021.12

The installer can be downloaded from the Ucamco FTP download server. As most internet browsers have stopped supporting FTP download, we recommend that you use an FTP client to do so.

We recommend installing this update at your earliest convenience.

For any further questions you may have, please contact our local business partner or the Ucamco helpdesk.

We thank you for choosing a Ucamco product.

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## Detailed demo

The video below provides a more technical, in-depth look at the newest version of UcamX. Click play to start the video, or watch it directly on our [YouTube channel](#).

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