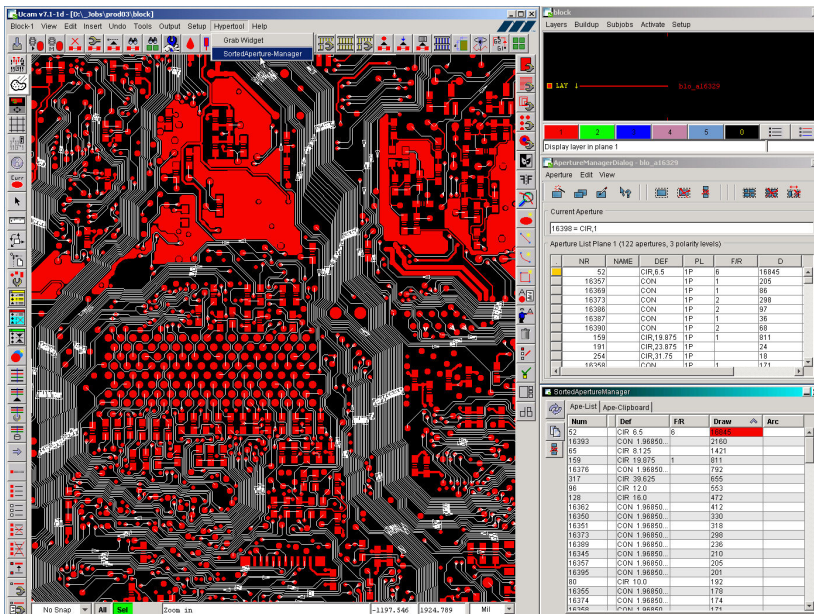


# HYPERTOOL

*A new dimension in custom  
CAM automation*



Custom SortedApertureManager HyperTool GUI

Method	Signature	Description
<code>Uape</code>	<code>apesearch(Uape ape, java.lang.String opt)</code>	Searches the aperture list for an aperture with the same definition and/or name
<code>java.lang.String</code>	<code>attach ()</code>	Gets the attachment of the extra layer.
<code>boolean</code>	<code>box test (Urectangle rect)</code>	Checks whether this layer contains objects whose enclosing rectangle overlap
<code>int</code>	<code>build netlist ()</code>	Builds netlist information for this layer.
<code>int</code>	<code>build netlist (int sta)</code>	Builds netlist information for this layer.
<code>int</code>	<code>build netlist (int sta, int pgb)</code>	Builds netlist information for this layer.
<code>boolean</code>	<code>CheckShortDonDraw (boolean bMessage)</code>	Check the length of draws created using donuts apertures.
<code>java.lang.Object</code>	<code>CLASS ()</code>	Gets the class of this layer as a String
<code>Uapeobj</code>	<code>closestobj (Upoint pt)</code>	Gets the closest aperture object within a radius of 5 mil of a point.
<code>Uapeobj</code>	<code>closestobj (Upoint pt, double radius)</code>	Gets the closest aperture object within a specified radius of a point.
<code>Uapeobj</code>	<code>closestobj (Upoint pt, double radius, java.lang.Str</code>	Gets the closest aperture object within a specified radius of a point.
<code>int</code>	<code>copy net (Ucamobj src, int net)</code>	Copies all objects from the given net number to the

HyperTool API extract

**HyperTool** is Ucamco's ground-breaking advanced customization resource for UCAM. Unlike C-shell scripts, useful in the main only for command-sequencing, **HyperTools** are true application extensions to current UCAM functionality. Like much of UCAM's core development **HyperTools** are written in Java™. The use of Java™ ensures seamless integration between UCAM and your **HyperTools** as well as unlimited access to all UCAM functions.

### Unlimited customization

UCAM's world-beating graphic automation delivers a wealth of customization options "out of the box".. Java™ **HyperTool** adds **unlimited** customization possibilities to maximize your CAM productivity and reliability. Typical applications include a single menu output to plotters, drills, testers and AOI, an automatic link to your ERP system, custom drill tolerance calculations, controlling new technology (a custom SBU workflow or buried resistor DRC rule-set), extending existing UCAM functionality (e.g. by embedding new panelisation rules) or developing UCAM new functions and windows like the SortedAperture Manager shown on the left.

### Practical implementation

Access to the power of Java™ **HyperTool** is straightforward. Java™ development kits are available as free Internet downloads. UCAM includes a clear and comprehensive Application Programming Interface (API) developed from the original UCAM source-code. Java™ contains powerful debugging facilities with comprehensive Internet support. We provide a dedicated Help line for **HyperTool** users. Alternatively commission our engineers to write **HyperTools** to your specification.

### Seamless integration into UCAM GUI

**HyperTool** menus and windows are incorporated seamlessly into UCAM's standard user interface either as pull-down menus or in the icon tool-bar - . maximum ease of use for your operators.

- High-level customization and automation – more power for UCAM
- UCAM application extensions not command shells
- Powerful, Java™ based implementation tools
- Unrivalled CAM productivity and reliability

**Ucamco**  
Former Barco ETS

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