

CopyCAD 6

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CopyCAD 6 further enhances Delcam's industry leading tools for reverse engineering and developing complex 3D models.

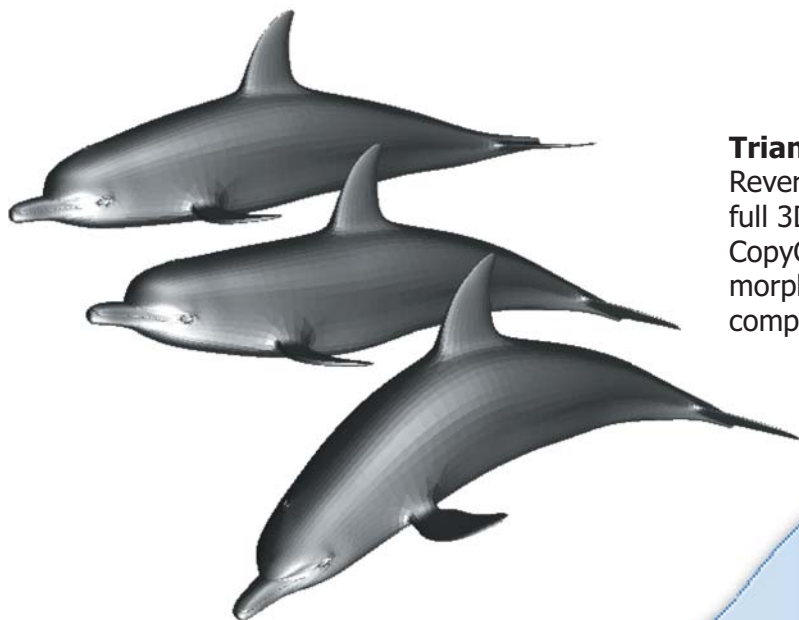


Triangle Booleans

Triangle models can be combined, merged, or intersected directly with one another using 'Boolean' operations. For design, these operations give unrivalled freedom and flexibility. For manufacture, they allow the user to remove the geometry for a product from a solid block to create the necessary tooling pieces.

3D Profile Limit

For complex 3D parts, flat split-lines are not enough. These parts can now be split along their 'natural' horizon curves, or user-defined 3D profiles.



Triangle Morphing

Reverse engineering techniques allow the user to create full 3D CAD models direct from physical samples. CopyCAD's powerful, yet simple to use triangle morphing tools allow the user to make extremely complex modifications quickly and efficiently.



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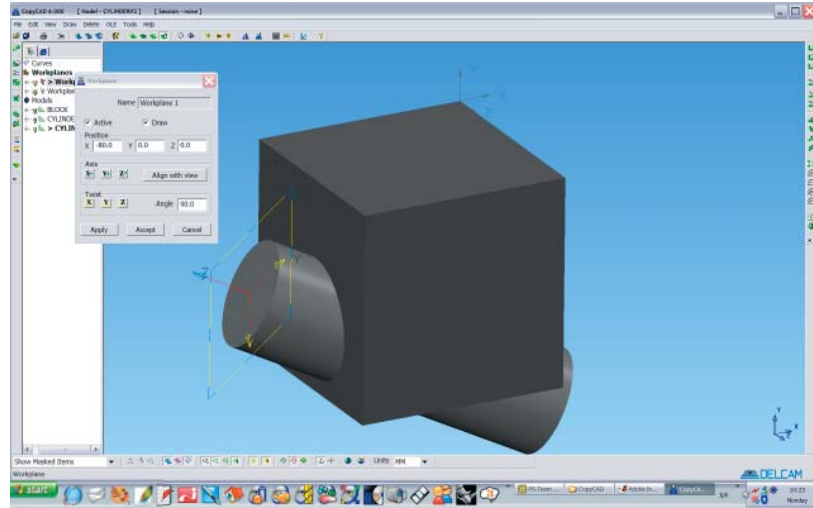


Surface Creation

Two new surface creation methods have been added – best-fit planes, and patches fitted to point-clouds. These two methods are further complemented with the optional embedding of the PS-Surfacers editing suite inside CopyCAD's main window.

New Look

CopyCAD's colour scheme has been changed. The default background is now graduated pale blue and the principal foreground colour is black. The model explorer has been extended to allow multiple model selection, and new drag and drop operations to append models, apply transformations etc.



Workplanes

CopyCAD 6 allows the user to create and edit Workplanes, or local coordinate systems. Workplanes can be used to control the orientation used by complex operations such as wrapping and offsetting, without the need to modify the entire triangle model.