Name: Ucancam V9 Standard Version Engraving Software G Code
With Operation Video disc, suitable for Windows 7 & 8
Item Code: CS-UCANCAMV9-S

Overview	Specifications	Packing list	Warranty

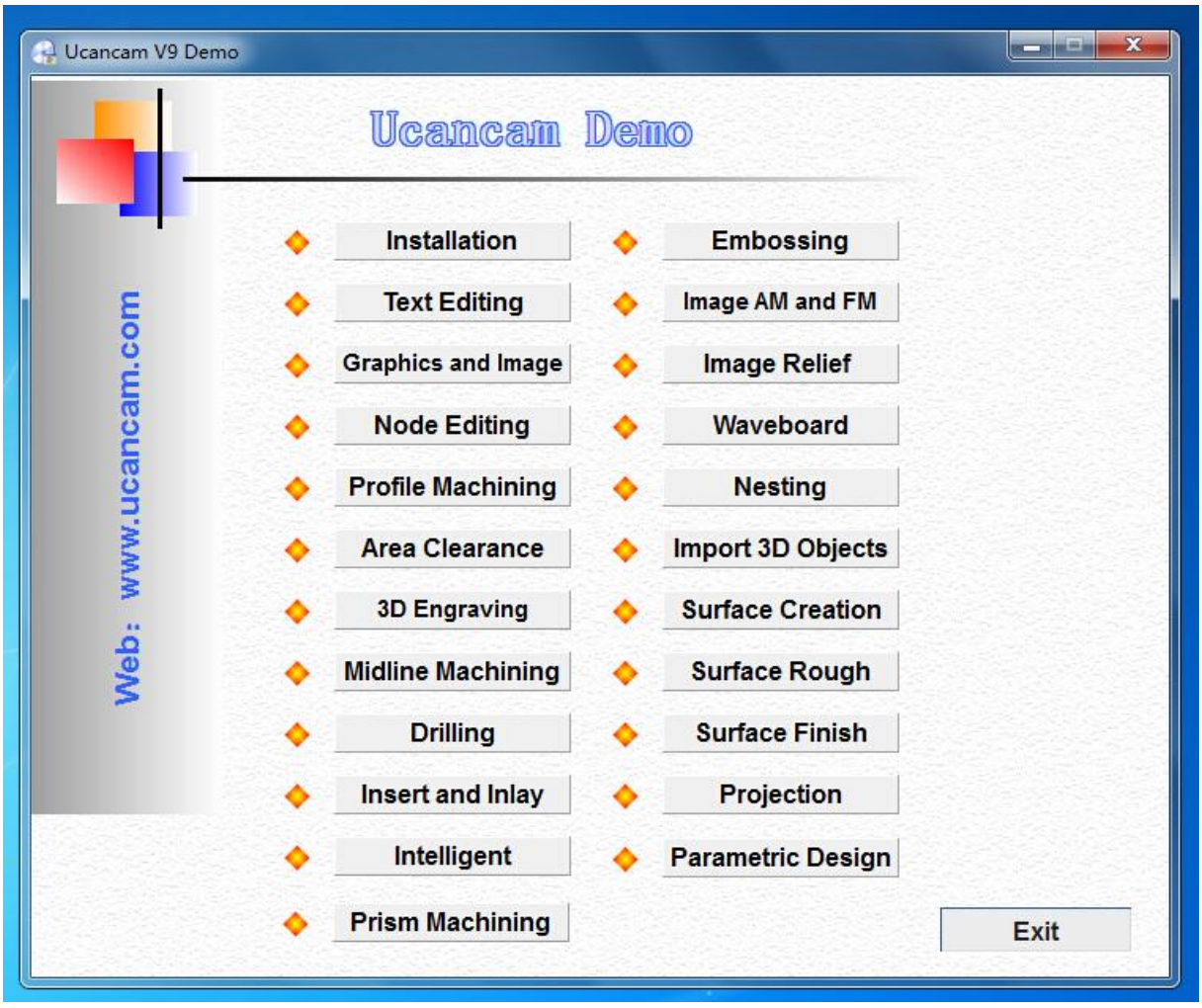
Ucancam V9 Engraving Software is a professional solution to CAD and CAM. It is widely used in such fields as advertisements, exhibition, decoration, artwork, moulds, seal-making, signs, gifts, architectural moulds, wood working, etc.

IDEA FOR DOING:

Ucancam V9 3D engraving software can help you do anything, such as:
- Light-box advertisement.
- Folding screen door.
- Make sign mark through Area Clearance.
- Insert and inlay.
- Image engraving and stripping.
- Relief, etc.

You can develop your creation by this software; it can make your dream come true!

INSIDE THE VIDEO DISC:



SYSTEM REQUIREMENTS:

Operation system: Windows2000/XP, Windows 7 / 8
CPU: Intel Pentium II, 300 or above, or same-level CPU, (preferable P4 2.4G or above)
RAM: 128MB or above, preferable 256MB
Hard disk: 500M
Monitor display: resolution 800 x 600, 256 colors, preferable 1024 x 768, true color
CD drive: CD-ROM/DVD driver
Port: available with Mouse port and USB 2.0 port

Functions Adds:

1. Add the parametric function (Geometry constraint and dimension constraint).
2. Improve the user interface of ucancam, keep pace with Windows 7 and Windows 8.
3. Support F1 key to wake up the help of command and dialog.
4. Improve stl file importer to create the less triangle face.
5. Improve the speed to create the toolpath.
6. Add the dwell in drill toopath.
7. Add the plunge in surface zig-zag finish toolpath.
8. Improve the post processor; support most of the control system, such as Biesse, CAMTech, Datron, Emc2, Fanuc, Gravograph, Heidenhain, Homag_Weeke, Laguna, Masterwood, MultiCam, NC_Studio, SCM, Syntec, Thermwood, Viccam.

CAD

Drawing & Editing

Ucancam V9 software has a great drawing and editing function, which supports accurate-coordinates input and feature capturing. Many file types can be imported into Ucancam V9, such as vector files: DXF EPS, PLT, AI and bitmap format files: jpg, bmp, tif, png.

Image Tracing

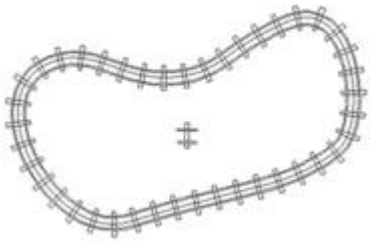
Quickly extract image outlines, and convert the bitmap into the Vector diagram.

Text Editing

Text can be rotated, scaled, moved, sheared, arranged along curves, etc. and can be edited again in text edit mode after these transformations. Besides, text input in a frame is also available, with automatic line feed.

Serial Number Text

Ucancam V9 software can quickly make products with serial numbers, and thus save so much time for product design.

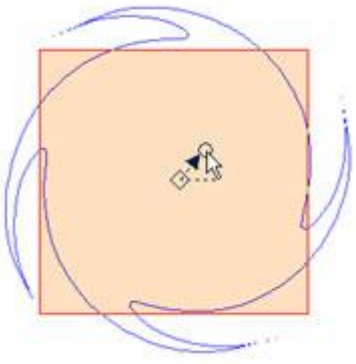


Along-the-line Paste

Along-the-line Paste refers to that a target is copied and arranged along a straight line or a curve, which can connect the head and tail of the target repetitively, so that a very beautiful floral design can be made.

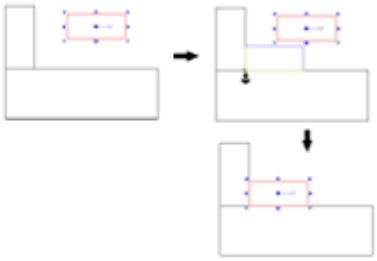
Bulk-copy

When you modify parameters, the updated result can be dynamically shown; when the control point is adjusted, whinch can keep the original row or column unchanged, but can change the copied row and column numbers; but when the control point is adjusted with pressing “Ctrl” button, the row and column numbers will not be changed, and the gap between rows or between columns can be changed, which makes the operation easier and more convenient.



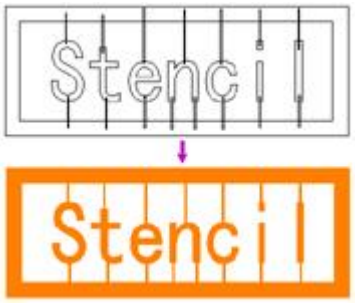
Artistic Transformation

It has changed the traditional straight line and curve mapping methods, improved the flexibility of art mapping, and facilitated to make graphs with art features.



Locate and Align in Dragging

When dragging or moving images, you need to press the “Alt” button. Through dynamism, you can capture image characteristics and get accurate positioning and scaling, to achieve fast nesting.

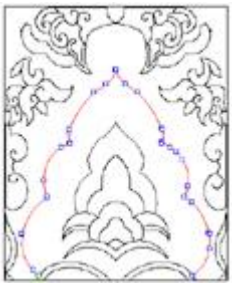


Boolean Operation

Boolean operation includes join, common, not common and subtract.

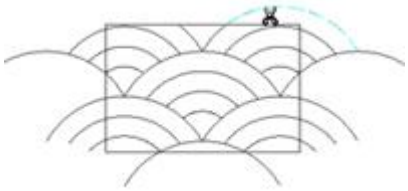
Auto Nesting

The auto testing function, through word and image layout rearrangements, improves material utilization, which can improve the efficiency of working and utilization rate of material.



Node Editing

Functions in node editing include: add, delete, disconnect, connect, close, convert to line, convert to curve, smooth, symmetry, align, start point, auto remove points, fillet, and vertical. The aim is to make image editing and modification more easily.



Dynamic Trimming

You can trim out any parts you do not need by the user-friendly trim,, which is much more convenient for CAD designing.

Layer Management

In Ucancam, you can create graphs on different layers that can exist together. You can add or delete layers so as to perform operations on many objects at the same time. Other layers’ images can also be displayed under any one layer, which is used as reference and has replaced the multi-window display function.

Size Marking

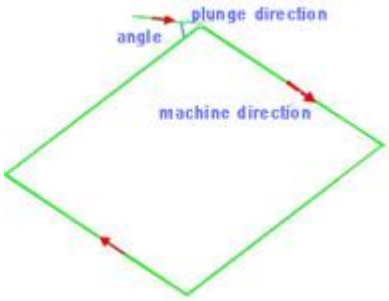
Ucancam provides linear, semi-diameter, diameter, and angular dimensions, which can directly reflect the size, mutual alignment and other information of the object.

CAM

The 3D toolpaths are calculated quickly and accurately. Ucancam has a database where a user can choose, edit or delete a tool. It offers profile machining, area clearance, 3D corner engraving, mid-line, drilling, inlay, prism, intelligent, circular engravure, image engraving, and image relief and other machining methods. Users can apply toolpath simulation to check whether toolpaths are valid and to preview machining results. These simulation functions are also useful to reduce trial cutting times and cut down machining costs and help users to get valid and effective machining results.

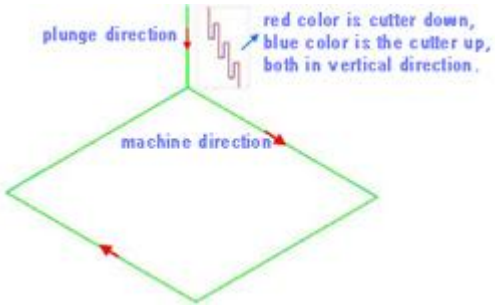
Profile Machining

Profile machining is widely used for incising, including on line, outside, and inside machining; also it features three ways for incising: ramp, pecking plunge, and lead in/out.



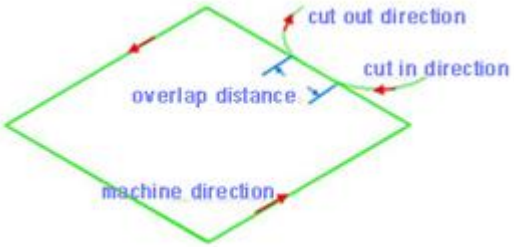
Ramp

Ramp is to plunge in a certain angle. Tools goes into the material not in a vertical direction but in slanting direction so that the tool will not be destroyed or broken because of force during entering material. This also ensures that no mark or scar be left on the surface of the material.



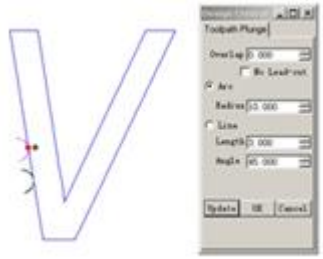
Pecking Plunge

When using Pecking plunge, the tool goes into a certain depth into the material, and then goes up to a certain height, and repeat this process when cutting the material. Pecking plunge prevents the tool breaks especially when cutting hard materials.



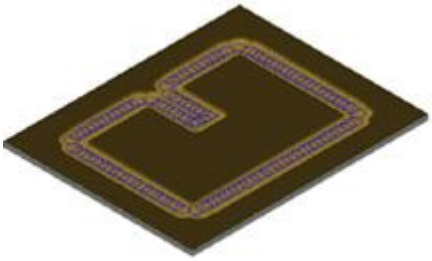
Lead in/out

When using Lead in/out, the tool first goes into a certain depth outside of material, and then cuts into the side of the material.



Toolpath Plunge Editing

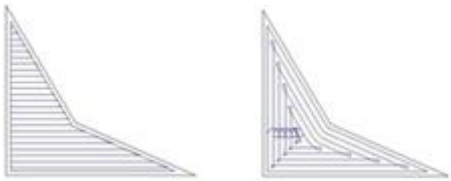
You can drag the start point of the profile path to anywhere you want. At the same time the plunge will be modified by the parameter of dialog.



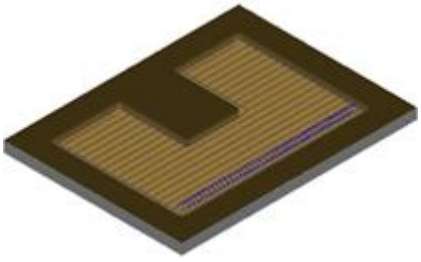
Trochoidal Toolpath in Profile Machining

The Trochoidal Toolpath is designed especially for brittle materials such as glass or granite or extremely hard materials that generate a lot of heat upon cutting. The Trochoidal Toolpath produce a circular toolpath at high feed rates with low load on the tool, therefore keeping the heat down while providing for longer tool life.

Area Clearance

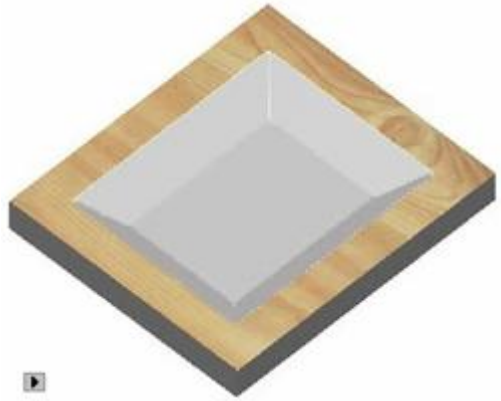


Area Clearance is to mill an area in the material. Raster and offset are the two major ways of milling. Offset (a machinery strategy of Area clearance) has changed the line-transition into arc-transition and the arc buffer has been added as a transition for sharp corners to adjust to high-speed milling.



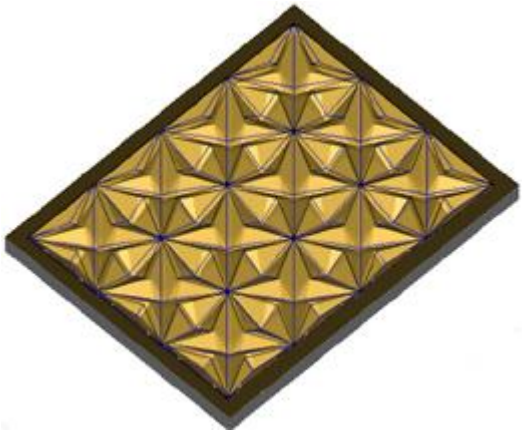
Trochoidal Slot in Area Clearance

Trochoidal slot in area clearance is used to create slots, and has created very favorable conditions for area clearance; at the same time combing the broken line and spiral cutting methods, it makes the whole process in the same high speed, without adjusting the processing speed after creating a slot; and this has perfectly avoided breaking the knife in the process of area clearance.



3D Corner Engraving

This can create the corner effect on the surface of the material. And as the side blade of the knife deepens into the material, a smooth effect can be made, which ensures the clarity, fineness and 3D effect.



Mid-line Machining

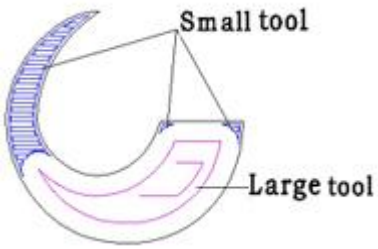
This function refers to machining the outline along the axis of the drawing. Its methods include 2D, 3D and 3D conical surface machining.

Drilling

Drilling on points, on curves, on the center of object or in region all can be made.

Insert and Inlay

This is one of the important methods to make sign marks and beautiful craftworks. When materials with different colors and textures are inlaid together, the product levels can be largely improved.



Intelligent Machining

Efficiency in milling can be greatly improved when applying Intelligent Machining. Two different tools can be chosen from the toolpath, the tool with lager diameter will be used for rough machining, and the smaller one will be used for precision machining. In the first machining, the speed is greatly improved, and after the second process, you will get what you want.

Prism Machining

This function is sued to process and make characters with prism effect, and sign mark with less materials. It is simple, convenient, practical, efficient and beautiful.

Circular Engravure Machining

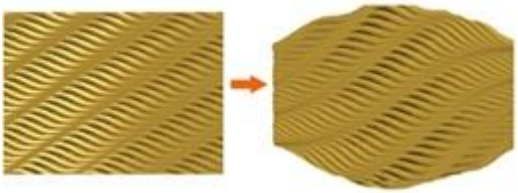
With 2D relief as its edges, it is very convenient to make the circular engravure effect, mainly used to smooth the words or relief on the cambered surface.

Image dot machining

Image dot machining is to engrave the object after the image is converted into grayscale image. Its effect is similar to that of black-and-white photos, very similar to the folk art “show carving”.

Image Relief Machining

You use this function to engrave in greyscale. Based on brightness level, the machining makes the relief effect.

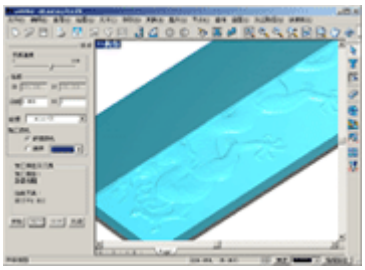


Toolpath Artistic Transform

Perspective distortion and envelop distortion can support the toolpath transform, and can be applied to the waveboard toolpath.

Rotary_Axis Engraving

This supports the rotary_axis engraving machine, and can also do cylinder engraving.



Toolpath Simulation

Machining process can be previewed through toolpath simulation. The simulation effect is very vivid.

Post Processor

The Post Processor is a program which converts the tool path in some standard neutral format into the format required by a specific machine control system.

Overview	Specifications	Packing list	Warranty

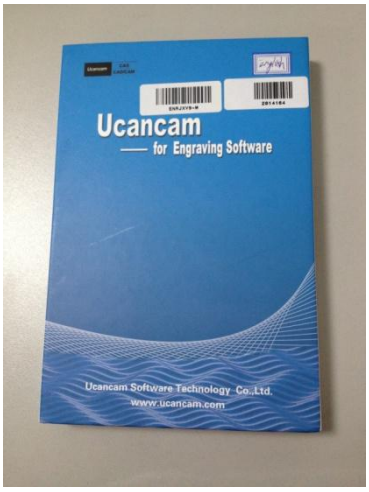
Lead Time: After receiving customer's deposit, within 1 - 2 days.

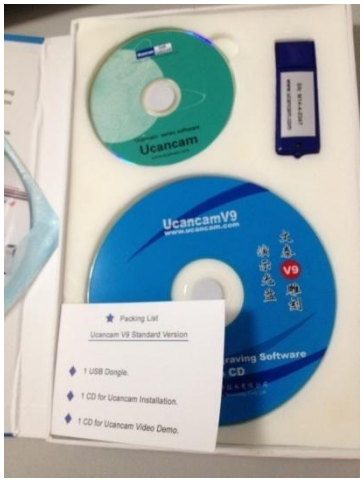
Wooden Box: There is total one box.

Product Dimension	190mm x 145mm x 15mm (7.5" x 5.7" x 0.6")
Net Weight	160g
Package	Carton box
Packing Size	200mm x 155mm x 20mm (7.9" x 6.1" x 0.79")
Gross Weight	200g

Packing List:

1 USB Dongle
1 CD for Ucancam Installation
1 CD for Ucancam Video Demo





Overview	Specifications	Packing list	Warranty

Comprehensive guarantee for 1 year except the wearing parts

24 - hour technical support by email or calling

User - friendly English manual for machine using and maintaining

Satisfaction Guarantee

For the items other than consumable products sold via www.Sign-in-China.com, we provide 12 months warranty after delivery. All the extra parts for equipment can be purchased from www.Sign-in-China.com.

We offer 14 days 100% satisfaction guarantee on all our machines. If you are not satisfied after receiving an item, Sign-in-China.com promises that, within 14 days after actual delivery of such an item, you are allowed to return the item to us and get complete refund, provided the returned item does not affect its subsequent re - selling and you also undertake the charge of returning delivery.