1. Introduction

NestProfessor can nest parts on the materials intelligently.
✧   The result will be optimized to get the best utilization of the materials.
✧   Rapid speed to perform nesting.
✧   Support Part-in-Part nesting.
✧   Can use remnant material to perform nesting.
✧   Can read/write DXF/DWG files.
✧   Can support ancillary data for geometry. e.g. for sheet metal industry, you can add
     manufacture features (lead in/out, micro joint) to the boundary of the part.
✧   High quality and inexpensive.

Applicable Industry：
✧   Sheet metal working.
✧   Geometry layout.
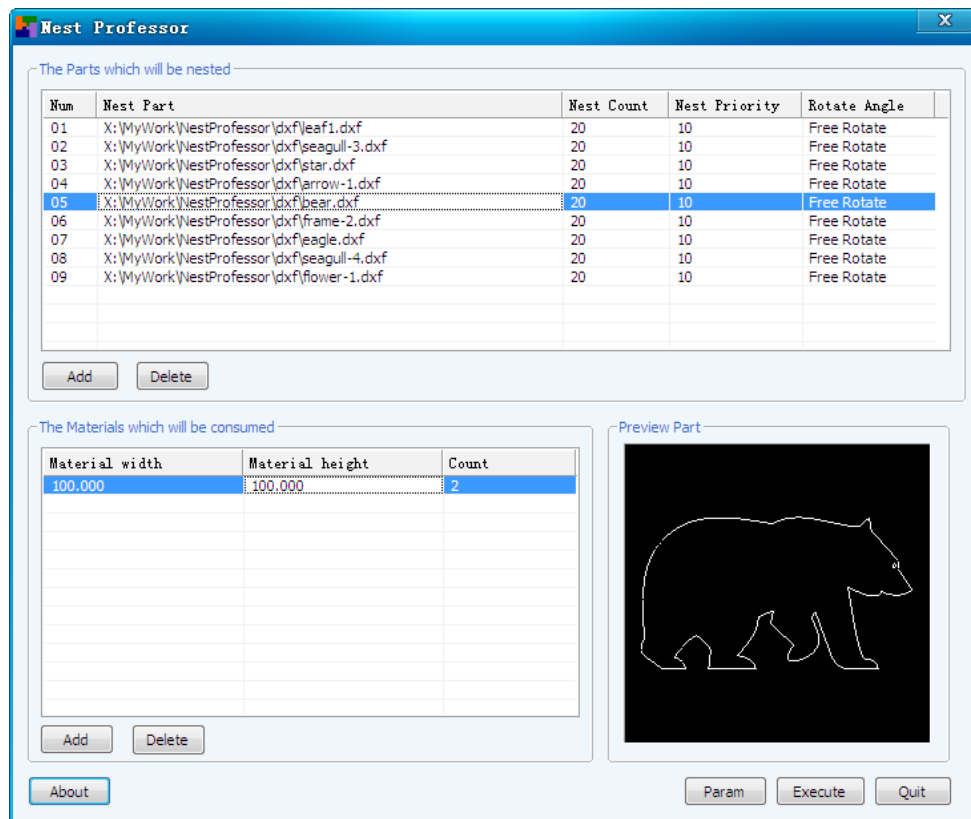✧   Printshop.
✧   Can be customized for your purpose.

2. Release Notes

New features:
✧   Interspace between parts were used to nest the smaller parts, so utilization of the materials
     is improved.
✧   User can specify the rotate angle of the part on sheet.
✧   Provide a more friendly user interface.
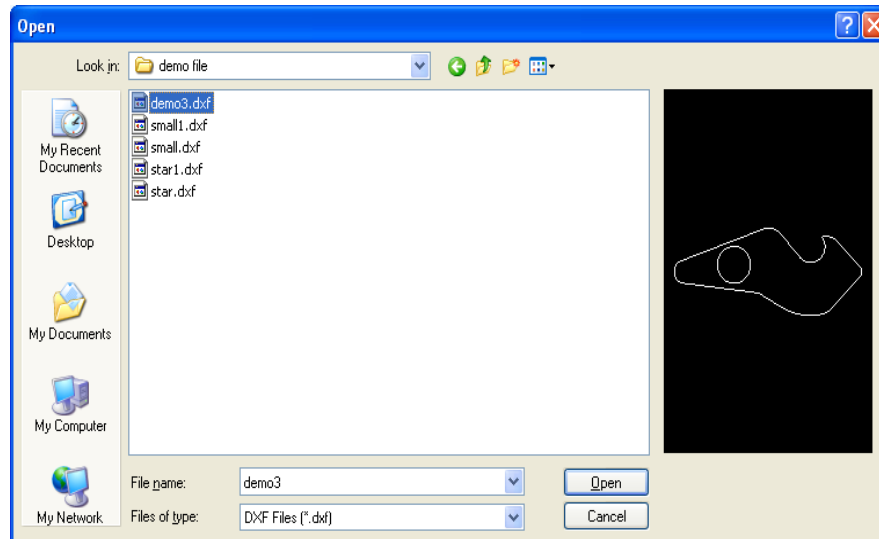✧   Part/Sheet can be previewed.

3. How to run NestProfessor

Step 1: Launch nestClient.exe.

Notes:
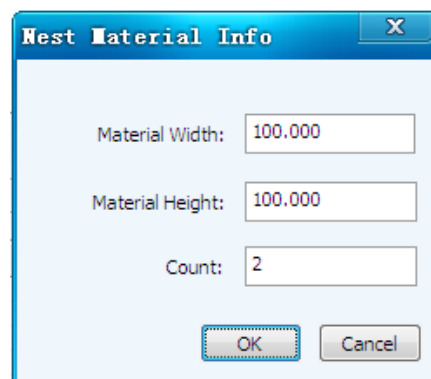
✧ Nest Priority: The part which has the higher priority will be prior nested.

✧ Rotate Angle:

1) Free Rotate: during the nesting, the part can be rotated randomly to get the maximum utilization of the materials.

2) 0/90/180/270 degree: the part will be placed on the sheet with the specified angle.

Step 2: Add/Edit parts which will be nested.

You can find sample DXF/DWG files in "demo file" sub folder. Before add the part, make sure the part only has one boundary and the boundary is closed.
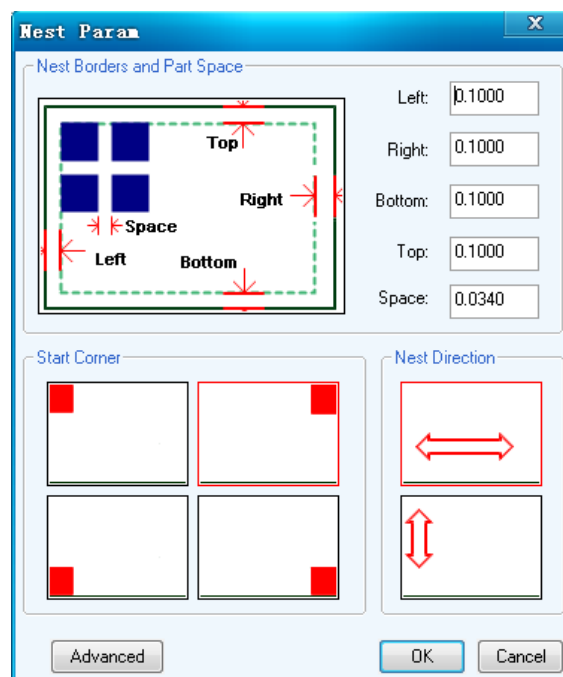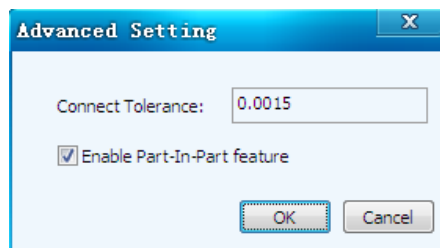
Step 3: Add/Edit material which will be consumed.

Step 4: Set the param of the nesting.

In this dialog, you can control the params which will be used in nesting progress.
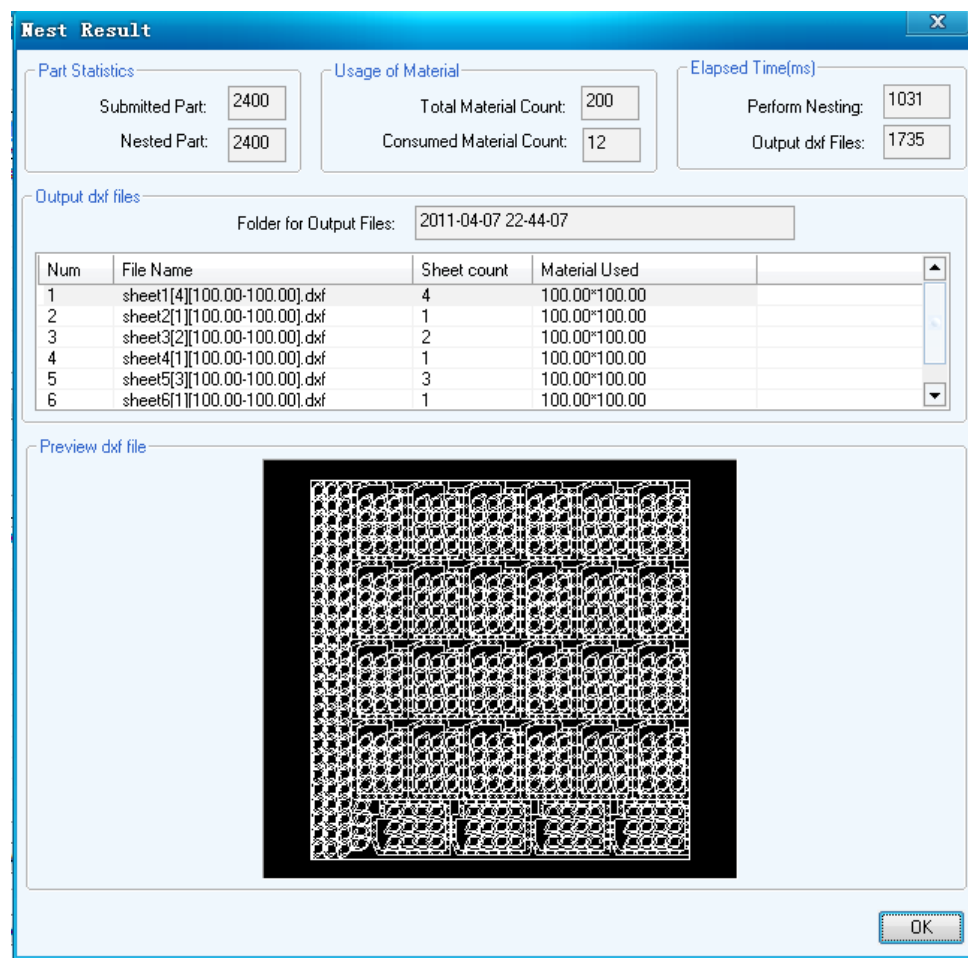
Notes:
- ✧ Space: the spacing of the parts when nesting them on the material.
- ✧ Connect Tolerance: use this param to check whether the part boundary is closed.
- ✧ Part-in-part: some small parts can be nested within the holes of other large parts, this can improve the utilization of the materials.

Step 5: Perform nesting

Click Nest button, if succeed, a report of the nest result will be displayed.

The nest result are saved as dxf files in the folder which is named with the timestamp.

The file name is named with such format: <sheet#[sheet count][material used].dxf>.

4. License

Limitations of trial version:

This product is release as shareware, so if you do not buy the official version, the software will popup such message sometimes to display the limitations.
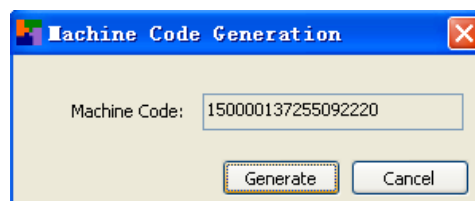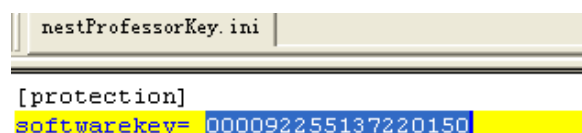

Some functionalities are limited:

1) Part spacing cannot be changed, it will be always 0.034 or another value.
2) There will be only one Material Type and the Material Count should be less than 3 or another value.

How to buy Official Version:

1) Run macCodeGen.exe, this app can generate a machine code for your PC.

2) Email the machine code to us, then we will send you a software key, overwrite the old software key in NestProfessorKey.ini, then you can enjoy the official version of NestProfessor.

5. Contact Info

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