

TAOSoft Corporation was set up in Shanghai the economic center of China. We mainly engage in industrial software development, sales, training and after-sales service and technical support. Relying on famous university talents, we continue to learn from the top nesting algorithm theory. With the accumulation of years of industry and the latest software programming techniques, we have been successful on hundreds of companies at home and abroad in the CNC programming and nesting solutions.

CutLeader CNC cutting & intelligent nesting software is the result of years of independent research and development. Base on the third generation of CAD/CAM software design concept. The system can not only intelligent assign cut features, but also optimize the cut sequence. With anti-over-cutting, anti-collision functions, the system will greatly improve the safety of operation and meet today's business needs. It also provides the process library, cut knowledge library, materials library, which make it possible to use the process of knowledge accumulation.

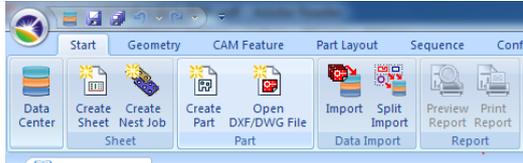
CutLeader CNC cutting and intelligent nesting software is mature software with years of independent research and development. It is mainly used in CNC laser cutting machine, plasma cutting machine, flame cutting machines and water-jet cutting machines and other cutting systems. Support BURNY, DGE, HYPER THERM, LYNX, ANCA, NUM, FAGOR, SIEMENS, SYSTEM32, PDF32, including nearly 40 kinds of numerical control systems, as well as ESAB, MESSER, CIGWELD, FARLEY, KOIKE, TANAKA, LOW, 3000 GROUP and other world famous NC cutting machines.

Main Basic Functions

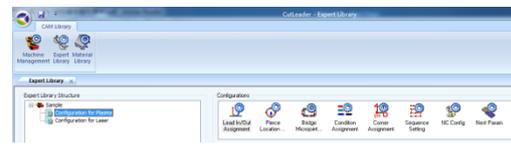
- 1) CAD Design Module: DXF / DWG graphics optimization, CAD drawing, editing, and other functions.
- 2) Cutting Process Module: support lead in/out, micro connection etc.
- 3) Sequence Simulation Module: support common cutting, auto-assignment, sequence editing, simulation
- 4) Expert System Module: support machine parameters, process parameters, material library.
- 5) Intelligent Nesting Module include: Intelligent nesting, remnant management and statistics.

Special Features

- Ribbon UI designs make it simple and efficient to handle



- The Expert Library module helps you to easily become an excellent process engineer



- Unique cutting range design allows your machine to work more smoothly

Num	Rect. Zone	Rect. Zone
1	0.000000	12.000000
2	12.000000	20.000000
3	20.000000	30.000000
4	30.000000	40.000000
5	40.000000	50.000000

- Flexible post process module can support a variety of CNC cutting equipments



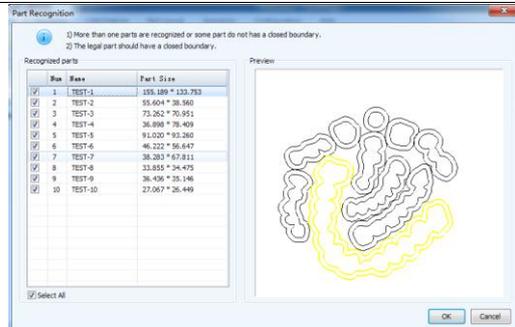
- Advanced dynamic database storage technology can ensure the safety of your data



- Supports all major Windows operating systems, strong compatibility enables you to upgrade safely



- Automatic identification and extraction single parts functions let you no longer afraid of some DXF/DWG parts containing a large number of parts

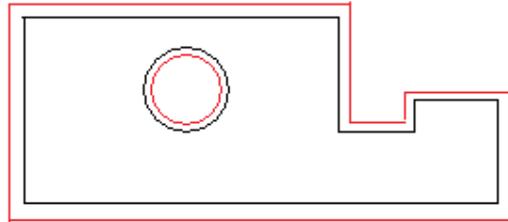
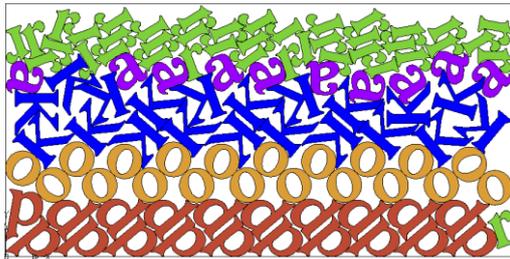


- Wizard with auxiliary teaching function will save you couple complex training process



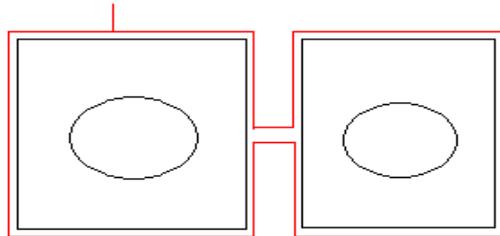
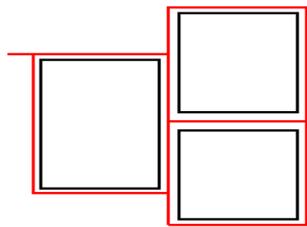
- Convenient irregular graphics intelligent nesting layout function

- Software compensation function



➤ Software chain cut function

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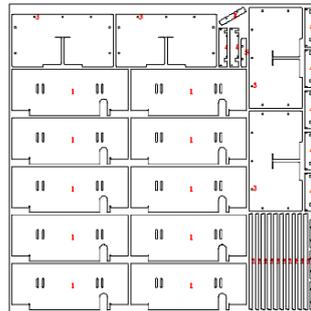
➤ Manual layout with intelligent system adsorbing function

➤ Nesting Report function



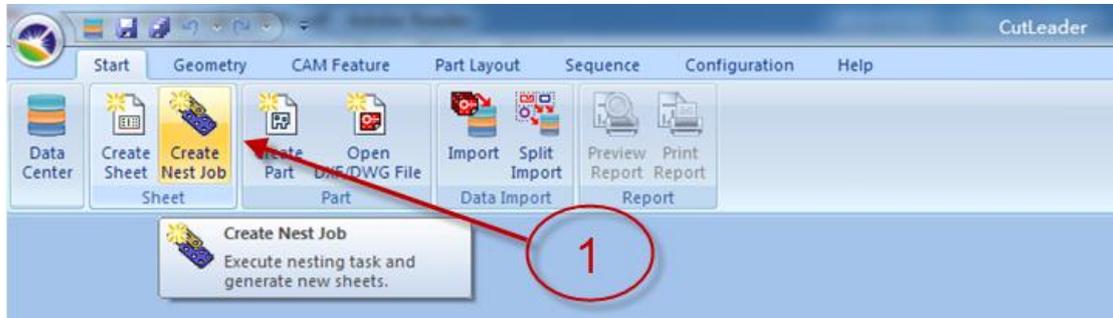
Sheet layout and cutting information

Sheet name	sheet-1	Cutting path length	0
Sheet size	1200.0 * 1200.0	All contour length	35244.2
Utilization(%)	80.1	Rapid crossings	0
Material type	Q235	Pierce count	0
Material thickness	1.2		

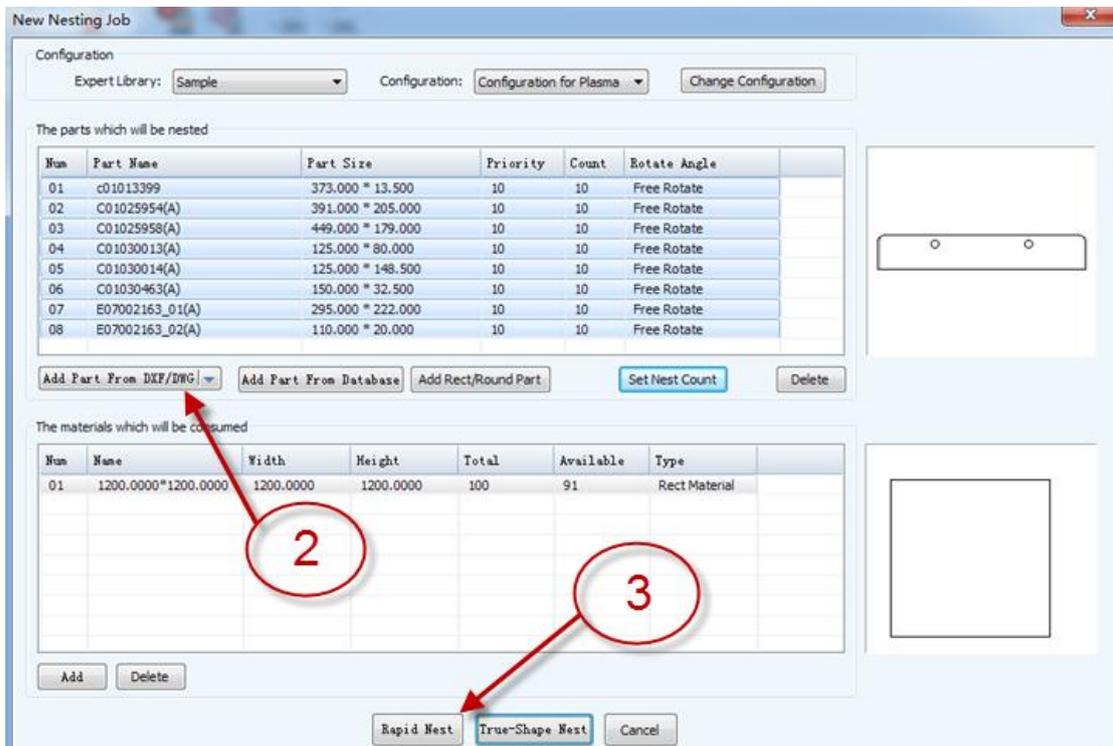


Quick Start

1. Click Create Nest Job button



2. Add DXF/DWG part files and update the nesting quantity



3. Click Nest button

Nest Result

Usage of Material
 Submitted Count: 91 Consumed Count: 3 Total Utilization(%): 55.9

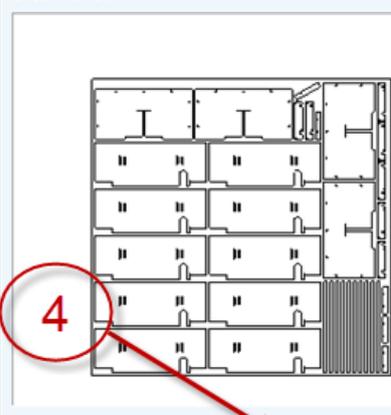
Nested Part Statistics
 Submitted Part: 80 Nested Part: 80

Num	Name	Priority	Submitted Count	Nested Count
1	c01013399	10	10	10
2	C01025954(A)	10	10	10
3	C01025958(A)	10	10	10
4	C01030013(A)	10	10	10
5	C01030014(A)	10	10	10
6	C01030463(A)	10	10	10
7	F07002163_01(A)	10	10	10

Generated Sheet

Num	Name	Sheet Count	Material
1	Sheet-1	1	1200.0000*1200.0000
2	Sheet-2	1	1200.0000*1200.0000
3	Sheet-3	1	1200.0000*1200.0000

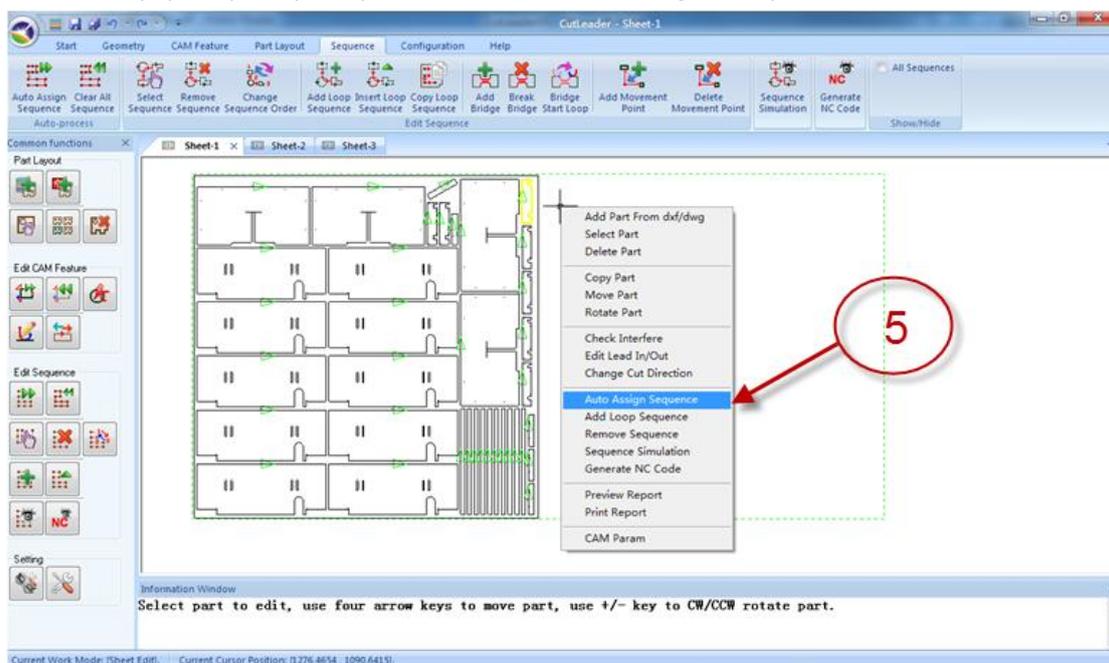
Sheet Preview



Save Remnant Material

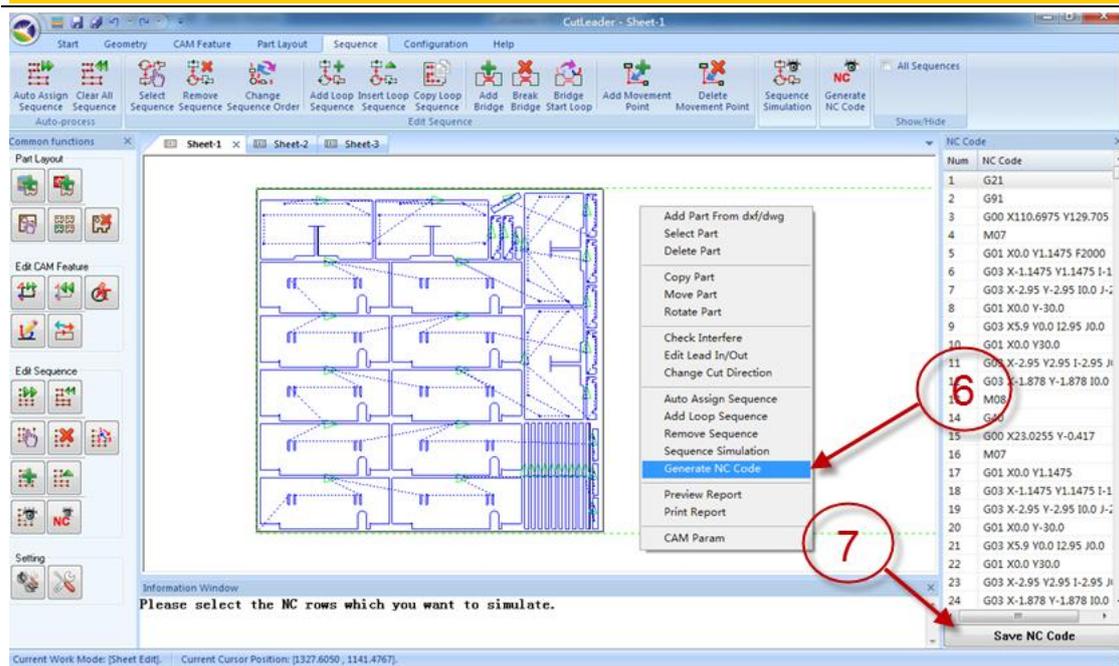
Preview Report Print Report Open generated sheets after saving the nest job. Save Nesting Job Cancel

4. Manually update part layout, update cut features and auto-assign cut sequence.



The screenshot shows the CutLeader software interface. The main window displays a part layout on a sheet. A context menu is open over the layout, with the 'Auto Assign Sequence' option highlighted. A red circle with the number '5' and an arrow points to this option. The menu includes options like 'Add Part From dxf/dwg', 'Select Part', 'Delete Part', 'Copy Part', 'Move Part', 'Rotate Part', 'Check Interfere', 'Edit Lead In/Out', 'Change Cut Direction', 'Auto Assign Sequence', 'Add Loop Sequence', 'Remove Sequence', 'Sequence Simulation', 'Generate NC Code', 'Preview Report', 'Print Report', and 'CAM Param'. The bottom status bar shows 'Current Work Mode: [Sheet Edit]; Current Cursor Position: [1276.4654, 1090.6415]'.

5. You can export DXF/DWG part layout file or export NC code file as below.



If you cannot find your post-processing file, or you have some special needs, please contact our technical support staff via support@cutleader.com



TAOSoft Corporation

We make cutting products as simple as operation of the printer!