

Fastcut Automation Software

AP100US



Windows 7 Windows 8 & 10

Offline Programming for Laser, Turret Punch Press, and Laser/Punch Combination Machines



Proven Technology and Value

AP100US Overview

API00US is the most widely used CAD/CAM package available for sheet metal fabrication and the leading industry solution for programming Punching, Laser, WaterJet, Plasma and Combination Punch Cut CNC machines.

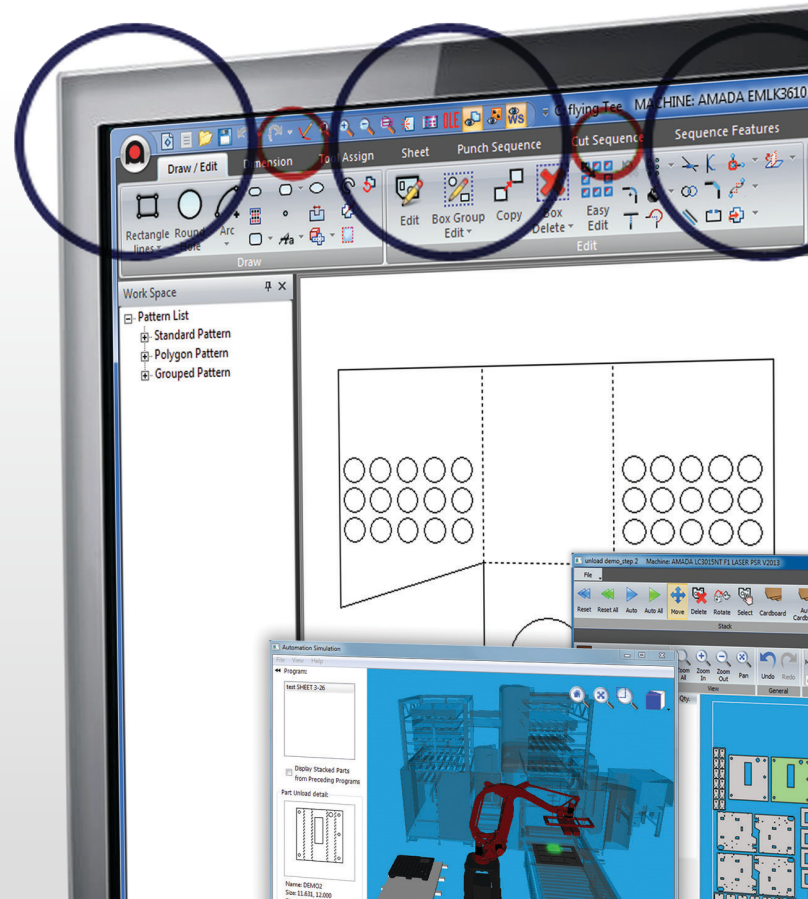
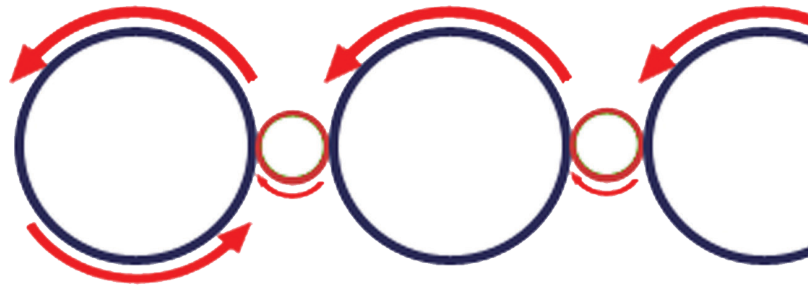
With over 6,000 user licenses worldwide, API00US features a full set of functionalities developed over years of R&D, providing a mature and stable software environment. API00US utilizes a built-in 2D CAD system with sheet metal specific logic and direct integration to best of class 3D Solid Modeling packages. Capable of reading all industry standard CAD files, API00US ensures that you will be able to meet your client's requirements. Compatible across all makes and models of both punching and cutting machines, you can match software functionality and cost to your machine's capability. A large pool of experienced API00US engineers and call center professionals assures that you will have maximum flexibility in hiring and minimal training of your personnel.

AP100US Key Features

- Using machine specific direct drivers, produces NC-code up to 30% faster than other leading CAD/CAM solutions
- Field proven machine-specific drivers produce the most efficient NC-code for virtually all machines, taking advantage of machine-specific functionalities
- Compatible with Windows XP, 7, 8 or 10 — allowing you to use existing computer hardware or upgrade to the latest computers available.
- Compatible across all makes and models of both punching, cutting and combination machines, API00US shortens design and programming time, streamlining the design to manufacturing process.
- OLE integration with SolidWorks, SolidEdge, and AutoDESK Inventor are standard.
- Direct reading of DWG, DXF and IGES files
- Supported by one of the industry's most knowledgeable support staffs with over 50 years of combined product experience
- Match software functionality and cost to a machine's capability, maximizing return on initial investment
- Periodic updates assure compatibility with latest machines and technologies

API00US eliminates time-consuming programming processes with Automatic Tool Selection, Sheet Layout and Sequence Optimization. Cutting attributes, conditions, lead-ins and lead-outs are also automatic. API00US will generate programming code faster and more efficiently for all your punching, cutting and combination machines. You can optimize material utilization and scheduling with our built in Sheet Wizard and Job Wizard Nesting Modules.

API00US will streamline your design to manufacturing processes, maximizing the performance, productivity and profitability of your fabrication operations.

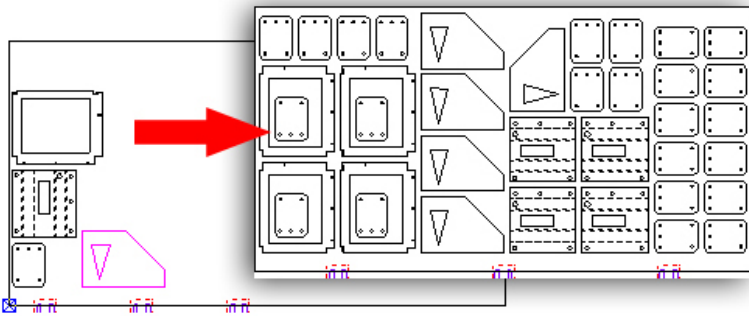


Single Sheet Nesting

Nest a Single Sheet

Single Sheet Nesting Option

Users may nest a single sheet directly in the CAD CAM program.



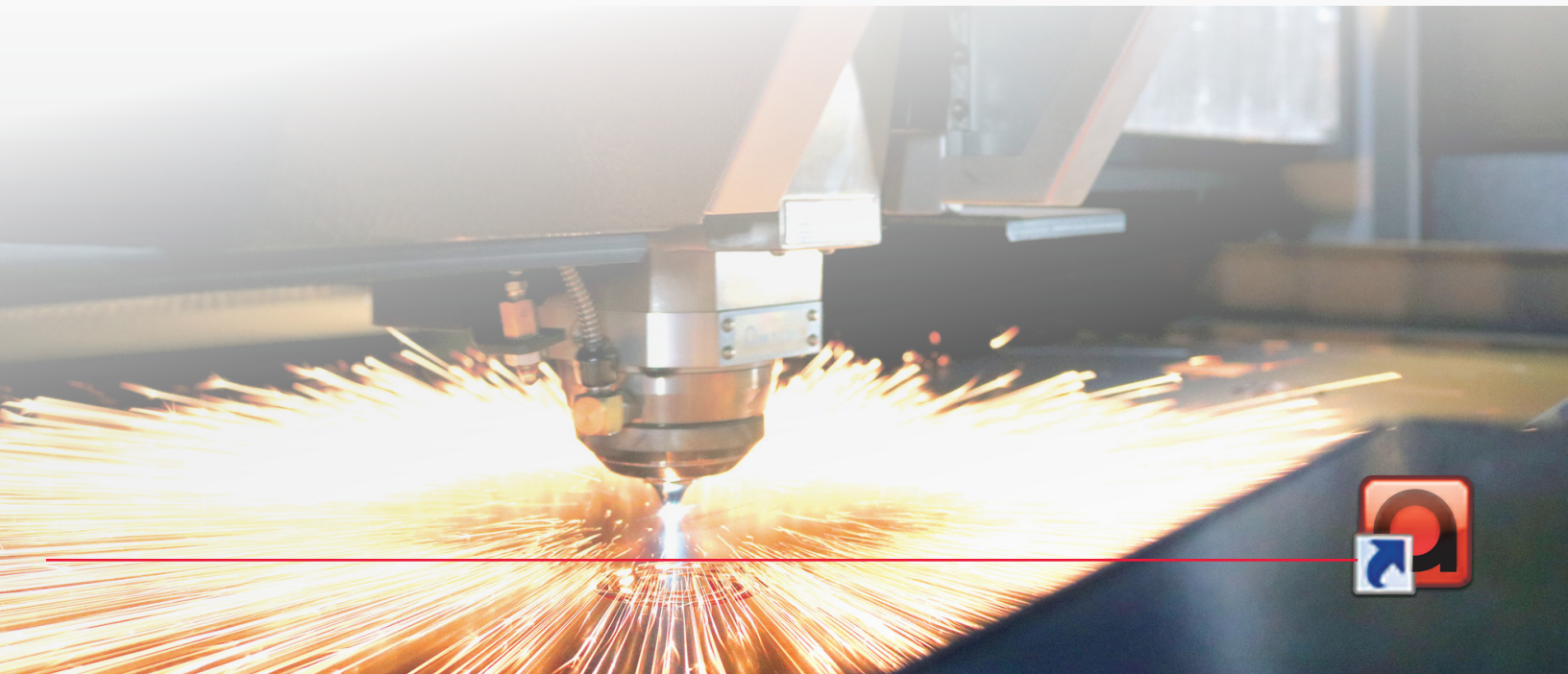
- Using the nesting option on the Sheet Tab users may nest a single sheet. This scaled down nesting option allows users to make the most nesting decisions.
- Select Nest Setting to edit nesting settings.
- Select Nest to open Part Information. Set quantity or ratio. Set part as a filler part. Set nesting direction, rotation angle and clamp location.
- Based on the Sheet Wizard nesting engine parts selected for nesting are automatically nested. Once the nesting is completed parts can be edited, moved or deleted.

Choose Nesting Results

Allows the user to select from various automatically calculated results options.

Rank	Method	Utilization	Sheets Area	Sheets	Layouts	Time	Nested Seconds
1	0	92.946%	42917.434	4.270	4	11:34:34	8 s
2	3	88.469%	49462.917	4.434	4	11:17:31	0 s
3	1	84.946%	43917.434	4.917	4	11:28:17	131 s

- After selecting Method "A" when the Start Nesting button is selected in Sheet Wizard the program launches the Choose Nesting Results.
- Sheet Wizard automatically calculates various nest results option that the user can select.
- Double click the selected row and the Sheet Wizard completes the nesting option.

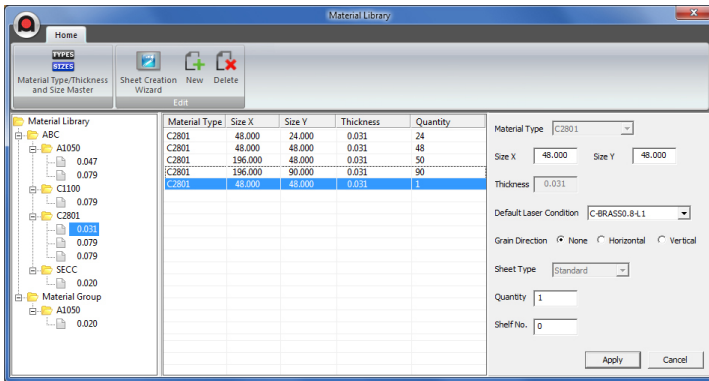


2018 Feature Highlights

Material Library, Slug Destroy and Clipboard

Material Library

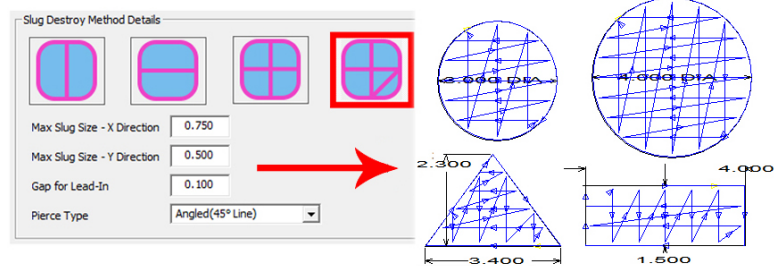
The Material Library allows the user to define and organize their sheet metal stock that exists in their shop.



- All material and condition files in API00US can be stored in this one utility.
- In the Material Types option, the user can create and maintain Material Groups linked to Material Types and Cutting Conditions.
- Create and maintain sheet sizes, thicknesses and quantities.

Slug Destroy

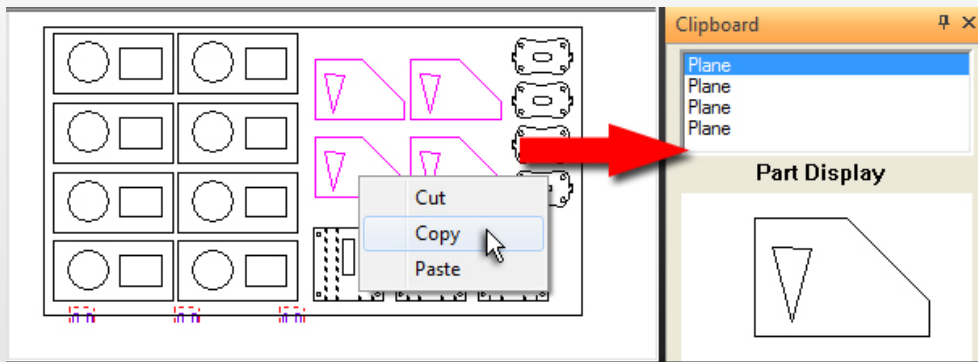
Slug Destroy now allows the user to preset hole destruction.



- Slug Destroy parameters can be set to do not destroy or destroy all inner cutouts.
- Slug Destroy inner cutouts based on a type and size range.
- Select Slug Destroy methods. Either vertically, horizontally, grid or continuous slug destroy based on a slug destroy size.
- Set Slug Destroy pierce type.

Clipboard

The Clipboard allows the users to copy parts from an existing sheet to a buffer.



- Copy parts from a sheet to the Clipboard buffer then copy the parts to another sheet.
- Copy single parts to the Clipboard.
- Copy Boxed or Fenced parts to the Clipboard.



SYSTEM REQUIREMENTS

Description	
CPU	CPU - Intel® or AMD® Athlon™ dual-core processor, 2.0 GHz or higher
Memory	8 GB of RAM (16 GB or more recommended)
Storage	1 GB free hard disk space
Optical Drive	DVD-Drive is required for local installation
Pointing Device	Two-button mouse
Protection Block	You cannot operate the software without a protection block
Video	1,024 x 768 display resolution with true color (1,600 x 1,050 with true color recommended)
Operating System	Windows 7, Windows 8, Windows 10 (32-bit & 64-bit)
Browser	Microsoft® Internet Explorer® 9.0 or later web browser



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SOFTWARE CONTACTS

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www.amada.com/america/software-support-info



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