



# STRIKER

## Sheet Metal CAD/CAM & Nesting Software

For more than twenty-five years, Striker Systems has focused on providing integrated manufacturing solutions for the sheet metal fabrication industry. Our mission is to deliver our clients the most productive sheet metal CAD/CAM and nesting software technology through innovative industry research, excellence in product development, and a customer support system second to none.

A private corporation headquartered in White House, Tennessee, Striker Systems has shown extraordinary stability in an often tumultuous market. As many in our industry have come and gone, Striker Systems has remained a consistent leader. Our management team is devoted to the long term success of Striker Systems for our customers, our employees, and our community.

Although Striker Systems maintains a global presence, our executive management, product development, and customer service teams are located at our Tennessee headquarters. This allows us to respond quickly to continually evolving technology and gives our customers confidence - knowing that our service department is directly supported by the architects of our products.

We appreciate you considering Striker Systems for your sheet metal fabrication software needs. Striker Systems operates through a direct sales team as well as a network of key distributors. It is our sincere desire to provide you with the information necessary for you to make an informed, confident decision as you consider our products and services. If you have additional questions or if you would like to arrange a STRIKER CAD/CAM & Nesting software demonstration specific to the needs of your organization, please don't hesitate to contact a Striker Systems Sales Team member today.

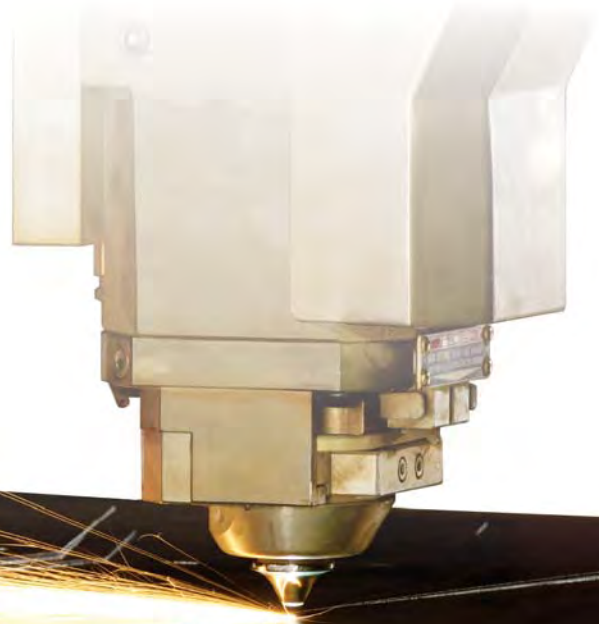
### STRIKER SYSTEMS®

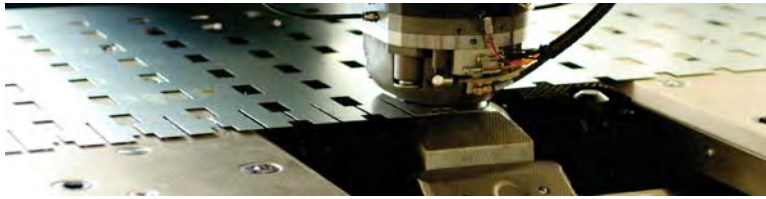
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Powered by  
**AutoCAD**® OEM

**Autodesk**





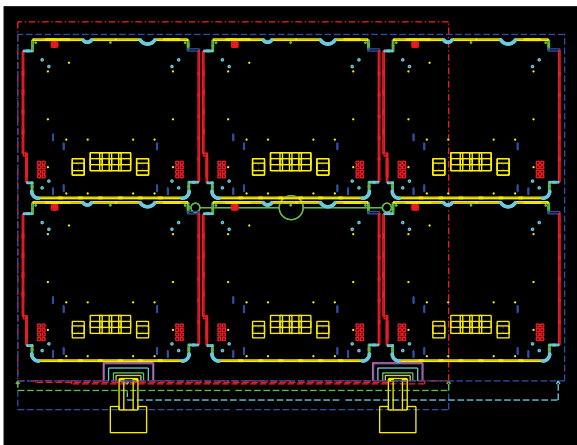
# SS-PUNCH™

## CNC Punch Press Programming

Take control of your CNC punch programming. SS-Punch provides complete management of your punching process, from fully automatic to completely interactive. And SS-Punch's unique CAD/CAM environment delivers unsurpassed flexibility.

### ADVANCED TOOLING SETUP & CONTROL

SS-Punch includes an advanced tooling database that is the heart of the automatic punching features. Usage parameters can be assigned to each tool providing greater control over tool selection and use. One or more default tool loads (turrets) can be saved and retrieved as needed for specific punching jobs. Tools can be locked into a station, or a station can be unlocked allowing SS-Punch to automatically select and load tools as necessary. The user friendly tooling interface provides drag and drop loading and unloading of tools, with user configurable color coding of tools and stations.



### ADAPTABLE PUNCHING TECHNOLOGY

One of the more time consuming aspects of CNC punch programming is achieving the desired application of tool hits. There may be numerous ways to punch a part; but only one that meets your standards. SS-Punch provides extensive control over the punching process with both standard and special tools. Additionally, you can "teach" SS-Punch how to process specific geometric configurations through geometric pattern recognition. You're able to define your own punching rules.

SS-Punch also includes extensive interactive punching capability, so you can always achieve the desired punching result.

### COMPREHENSIVE NC PROCESSING

Whether you're processing a single shear-to-size part or a complex nested layout, SS-Punch automates many aspects of the NC code generation process. You have unprecedented control over tool selection sequencing, tool-path optimization, automatic repositioning and creation of NC programs. And with the new SS-Punch Workflow Wizard, you're provided with immediate visual feedback of the punching process.



### ADDITIONAL SS-PUNCH FEATURES INCLUDE:

- Auto & Interactive Punching
- CNC Machine Drivers Available for Virtually all Punching Machines
- Geometric Pattern Recognition
- Auto Special Tool Punching
- Cluster Tool Support
- Auto Micro-Joint (Tab) Placement
- Adaptable Turret Configuration
- Save Multiple Turret Loads
- Auto Tool Sequencing
- Tool-Path Optimization
- Auto Reposition Support
- Auto Work Clamp Placement
- Retractable Work Clamp Support
- Flip / Rotate Oversize Sheets
- Tool Load Optimization
- Drop Door Support
- Cross Posting
- Tool-Path Simulation
- Optional Wheel Tool Support
- Add SS-Profile for Punch / Plasma and Laser Support





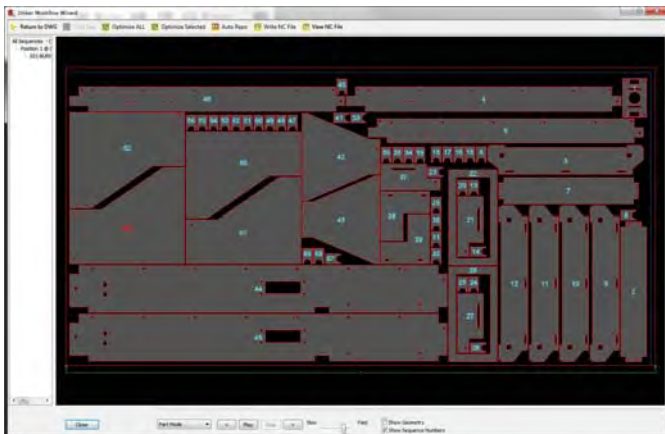
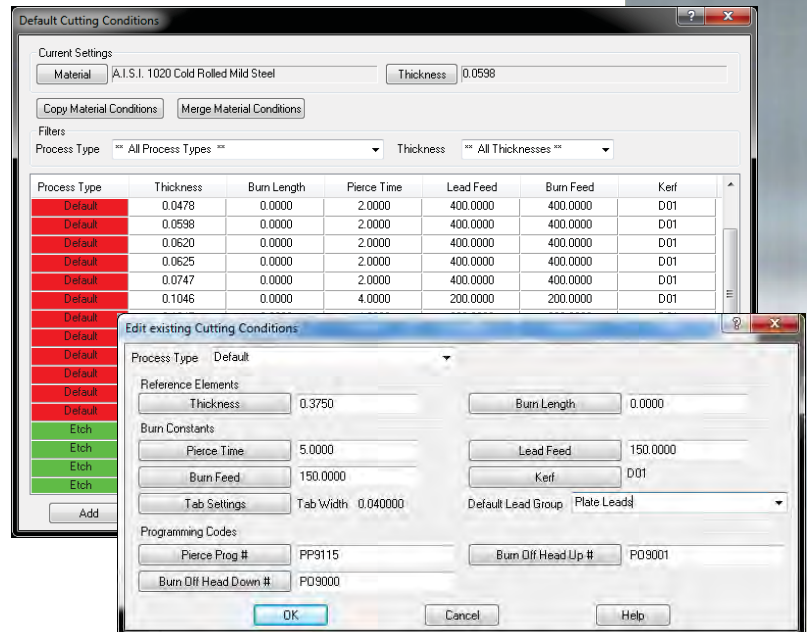
# SS-PROFILE™

## CNC Sheet & Plate Cutting

SS-Profile is a comprehensive programming software solution for CNC laser, plasma, oxy-fuel, waterjet, and other two-axis cutting machines. SS-Profile can be used independently for motion-optimized NC programming and interactive nesting, or combined with SS-Nest for the ultimate in automated nesting.

### APPLICATION OF CUTTING PARAMETERS

SS-Profile supports the application of the tool-path to parts dynamically during NC processing, or the tool-path can be pre-applied to parts and maintained in the part library for ongoing use. Application of the tool-path is material based to utilize OEM-specific technology tables, and dictates cutting parameters including contour process type, such as cutting or etching, default cut sequence of internal contours, and the lead in/out details including location, type, and size. Tabs can be interactively applied to the tool-path, or automatically applied during NC processing. SS-Profile also provides advanced single-contour and global editing tools giving you ultimate control over your cutting process.



### COMPREHENSIVE NC PROCESSING

SS-Profile creates industry standard G and M codes using OEM-specific technology tables on the CNC machine controller. You can incorporate desired cutting features including part and shape sub-programs, automatic tabbing, coating vaporization, pre-piercing, bridge cutting, head-down processing, skeleton scrap destruction, and more. If you have special NC code formatting requirements, the Striker Systems technical team will work with you to achieve your desired results.

### ADDITIONAL SS-PROFILE FEATURES INCLUDE:

- Auto & Interactive Tool-Path Assignment
- CNC Machine Drivers Available for Virtually all Cutting Machines
- Interactive Nesting Included
- Material Based Cutting Parameters
- Leads Automatically Applied Based on Material & Process
- Automatic Internal & External Contour Recognition
- Automatic Geometry Error Correction
- Calculate Kerf by Computer or Control
- CNC Machine Runtime Estimates
- Multiple Process Support (i.e. Cutting, Etching, etc)
- Vaporize Coating
- Pre-pierce all Start Points Before Cutting
- Quickly Modify Cutting Parameters
- Auto Tab Placement
- Drop Door Support
- Bridge Cutting
- Chain Cutting
- Common Edge Cutting
- Automatically Calculate Part Area, Cut Length, and Pierce Numbers
- Optimum Corner Processing Including Corner Loop Option
- Multiple Cut Sequence Optimization Methods for Minimum Movement & Sheet Integrity
- Sub-Program / Macro Support
- Head Down Processing w/ Collision Avoidance
- Auto Skeleton Destruction
- Auto Plate Cropping
- Tool-Path Viewing / Simulation
- Work Clamp and Reposition Support (on applicable machines)



# SS-NEST™

## Automatic Multiple Part Nesting

SS-Nest provides automatic multiple part nesting for your production or job shop environment. When bundled with SS-Punch and/or SS-Profile, SS-Nest delivers exceptional material utilization and CNC machine throughput. A few of SS-Nest's features include:

- True Shape & Rectangular Nesting
- Effortless "Nest Wizard" Interface
- Part Library w/ Advanced Search
- Part In Part Nesting
- Filler Part Support
- Nest Layouts Saved in Industry Standard DWG or DXF Format
- Work In Process Tracking
- Combine Work Orders for Scrap Reduction
- Auto Best Sheet Selection
- Multiple Advanced Nesting Algorithms for Max Material Yield
- Batch Processing of DXF and DWG Files
- Part & Assembly Nesting
- Auto Sort on Material Type & Thickness
- Pre-Nested Part Cluster Support
- Part Prioritizing
- Irregular Remnant Creation, Tracking, and Nesting
- Auto NC Program Creation

SS-Nest also offers the following optional extended functionality...

**Manufacturing Software Extension** - Allows SS-Nest to accept production data from external manufacturing software such as MRP and ERP systems.

**Multiple Torch Extension** - Extends the functionality of SS-Nest to optimize the use of multiple torches for CNC machines with multiple torch configurations.

**Shear Extension** - Provides an additional SS-Nest algorithm specifically for guillotine shear operations. Optimizes rectangular blank shearing, providing shear cut locations and cut order.

# PARTshare™

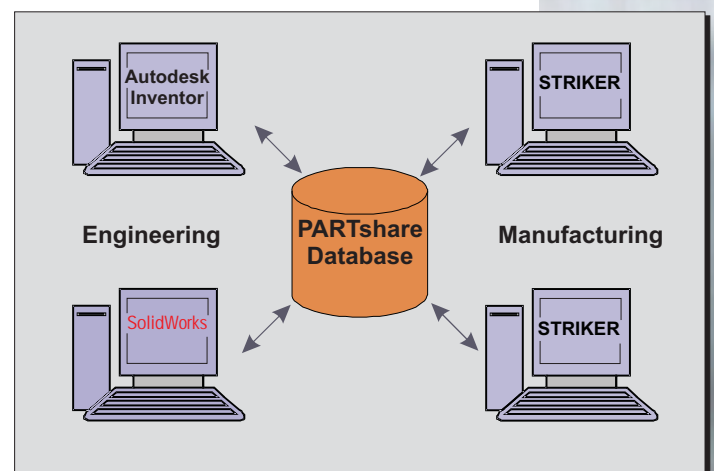
## Real-Time Solid Modeling Interface



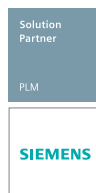
PARTshare is a unique networked library system that allows the STRIKER CAD/CAM and Nesting software modules to seamlessly share part and assembly data with popular solid modeling systems. Available for Autodesk® Inventor™, SolidWorks®, and Solid Edge®, the PARTshare interface plugs directly into the solid modeling software menu system allowing the design engineers to effortlessly deliver part and assembly data to manufacturing. Supporting both single part and complete assembly extraction, PARTshare provides the versatility to support the broadest range of production operations.

Parts placed into the PARTshare library from SolidWorks, Autodesk Inventor, or Solid Edge can be accessed by any of the STRIKER CAD/CAM and Nesting software modules. Parts can be retrieved individually for CNC processing, and SS-Nest also relies on the PARTshare library for nest job construction. This means parts placed into PARTshare from engineering are immediately available for nesting operations.

**Autodesk**  
Authorized Developer



Multi-User PARTshare Configuration





## SS-DESIGN™

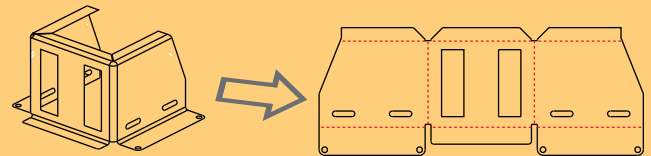
### Advanced Sheet Metal CAD Interface

SS-Design is included with the purchase of all other STRIKER CAD/CAM software modules. It is the standard interface across all products and is the heart of our truly integrated CAD/CAM system. Based on the AutoCAD OEM Engine, you can be confident knowing that your design and manufacturing data is saved in the world's most popular CAD format.

- Advanced Sheet Metal Design Components
- Parametric Feature Definition
- Parametric Feature Modification
- Industry Standard DWG and DXF Native File Format
- OLE Interface for Inventor, SolidWorks, and Solid Edge
- Automatic Dimensioning System
- Extensive Dimension Commands
- Drawing Integrity Verification
- Automatic Geometry "Cleaning"
- Integrated Drawing Border System
- Comprehensive Text System
- User Design Library
- 2-D & 3-D Design Capability
- Bill of Materials Commands
- Advanced Layer Control
- Enhanced Viewing System
- Automatic Spline Detection and Conversion
- Standard Interface for all STRIKER CAD/CAM Software Modules

## SS-UNFOLD™

### 2-D & 3-D Unfolding System



SS-Unfold is an advanced 3-D and 2-D unfolding system for wireframe part models. Its extensive feature set allows you to effortlessly create accurate flat parts in seconds.

- 3-D & 2-D Wireframe Unfolding
- User Defined Bend Calculations
- Incorporates Historical Bend Data
- User Materials Library
- Spring-Back Calculator
- 3-D Folding
- Complex Corner Joint Development
- Auto Bend Chart Creation
- Bend Calculation Override
- 2-D Progressive Unfolding
- Bend Design Features
- Part Integrity Verification
- Share Bend Data w/ Other STRIKER CAD/CAM Applications



## SS-DNC™

### CNC Machine Communications

Once the STRIKER CAD/CAM software generates an NC program, it must be transferred from the computer to the CNC machine. Many newer CNC controllers can be networked, and do not require additional software to support this file transfer. Others require communications software, often referred to as DNC software. The acronym "DNC" stands for Distributed Numerical Control, where NC programs are passed from a computer to one or more CNC Machines.

SS-DNC is a comprehensive DNC communications software providing both upload and download capability between your PC and CNC machine(s). SS-DNC offers the following features:

- Offers Automatic Remote Request as well as Interactive Send/Read configurations.
- Supports up to 256 CNC machines from a single SS-DNC installation.
- Supports a variety of multi-port hardware devices.
- NC Programs can be viewed and edited directly from the SS-DNC dialog.
- User-friendly Windows interface makes SS-DNC easy to configure and easy to use.





# EXCEPTIONAL CUSTOMER SERVICE

Striker Systems®

## PERHAPS THE MOST CRITICAL FACET OF YOUR CAD/CAM SOFTWARE INSTALLATION: SERVICE AFTER THE SALE

The success of every CAD/CAM implementation is ultimately dependent on the caliber of customer service available. At Striker Systems we embrace this concept. The ongoing services need of our customers varies significantly, from simple help desk access to long-term productivity counseling. For this reason our sales and customer service teams are trained to work with your organization to develop a service plan that meets your long term objectives.

The services listed to the right are standard elements of our software implementations. For a thorough assessment of your service needs, we invite you to contact a Striker Systems Sales Team member.

## TECHNOLOGY ASSURANCE PROGRAM

Of significant importance in your software decision is the delivery and cost of ongoing software upgrades. Our products are under continual improvement, and we offer flexible programs to help you take advantage of the latest Striker Systems technology. For new customers, we are pleased to include a one-year, complimentary membership in our Technology Assurance Program™. Your Technology Assurance Program membership guarantees you delivery of all Striker Systems software upgrades during your membership term. Additional benefits include discounts on technical support and discounted or free training. As your membership term expires, you have the option of renewing (average cost is 11% of the Striker Systems software suggested retail price annually), or you can purchase future upgrades as desired. At Striker Systems, we give you the choice.

## TRAINING SERVICES

We consider your immediate and long-term goals and make training recommendations to help you become successful with your Striker Systems software. Our training for new customers is one-on-one, with a focus on making you productive quickly. This training is generally performed at your facility so we have access to your CNC fabrication machines, but can also be held at our White House, Tennessee headquarters near Nashville. For the ultimate in scheduling flexibility, software training is also available via Web Conference.

Our instructors are trained not only in the mechanics of Striker Systems software, but also in its application. We know sheet metal fabrication, and we constantly seek out best practices to help you improve your productivity through time and material savings.

## ADVANTAGE CUSTOMER SUPPORT

You're making a significant investment in Striker Systems technology. Down time is not an option. Maintain your productivity with our Advantage Customer Support plan. Advantage Customer Support is a scalable program to meet the diverse technical support needs of Striker Systems customers. Key Advantage Customer Support components include:

**Toll Free Help Desk Access** - Our expert support staff is just a phone call away. The Striker Systems Help Desk is available from 8:00AM to 5:00PM CST (M-F). Same day response for calls received before 3:00PM.

**Email Support** - Is email more convenient? For quick response to your support issues, the Striker customer support team can be contacted at [support@striker-systems.com](mailto:support@striker-systems.com).

**Web Conferencing** - Real time viewing between you and our support team! Web conferencing is the ultimate tool for high level software support.

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