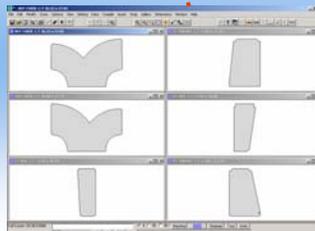
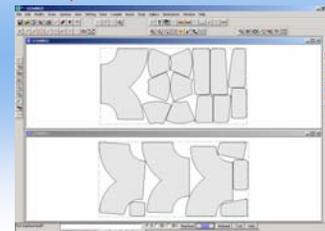


3-D Preview



Flat Pattern Layout



Automatic Shape Nesting

- ◆ **Automatic Fitting Layout**
- ◆ **Rectangle, Round & Flat Oval**
- ◆ **Advanced CAD**
- ◆ **Automatic Shape Nesting**
- ◆ **CNC Cutting**

The power you need with the features you want!

HVAC's powerful features take the manual effort out of job takeoff, tooling, nesting and downloading. It includes the "extras" that you would find only in a system developed by sheet metal experts. A complete rectangle, round and flat oval fitting library and common 2D fabrication shapes gives you everything you need to design, input, nest and cut your own fittings and parts jobs.

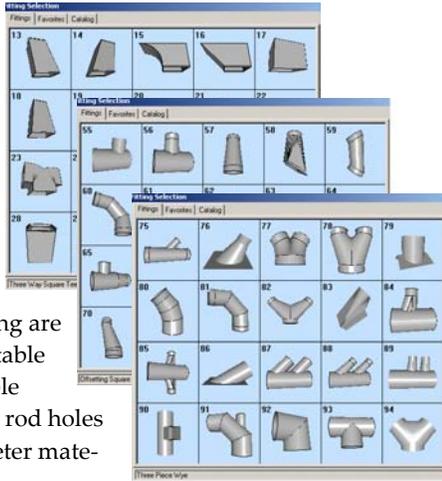
"One-window" fitting selection, workbench, and nesting

By using powerful Windows' features, HVAC Fittings makes it easy to select your fittings, input the dimensions, quantity and material type, and then see an actual 3D preview of the fitting and the 2D flat layout of the parts. One click of the auto-nest button nests the parts to optimize material usage and then you can view the nested plates as they will be cut. You can even modify the finished patterns for special applications by using Industrial Fittings powerful "Workbench" drawing tool. You can place holes, chop pieces, scale or stretch them, and even merge two patterns together.



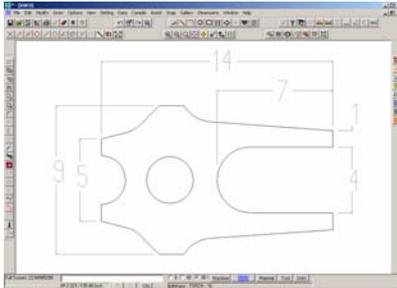
Comprehensive library provides ultimate flexibility

The HVAC Fittings library includes rectangle, round and flat oval fitting shapes including cones, offsets, elbows, wyes, branch fittings and square-to-rounds. Capabilities such as mitering, reducing, concentric/eccentric dimensioning are available as well as selectable seam placement, selectable hole sizing, dual wall, tie rod holes and inside/outside diameter material compensation.



DXF import & CAD drawing

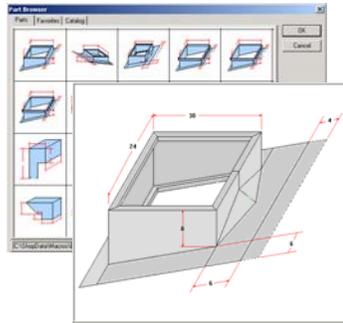
Use ShopData for Windows' visual drawing tools to design the simplest or most complex parts. DXF files can be imported individually or in batches and automatically tooled, ready to nest and cut as parts!



With ShopData for Windows' incredible technology you can easily drag & drop, copy, move, and rotate parts, or move lead-ins and lead-outs anywhere along the tool path or on the nested sheet. You can work with multiple drawings simultaneously and utilize dynamic zoom capability for ultimate precision in your drawings. Automatically tool parts for multiple tools using SDS' innovative "layers" technology.

Part macro development

If you frequently cut similar parts with varying dimensions, ShopData's Macro Programming Utilities allows you to build your own dimensionable shape library! Now you don't have to redraw every variation of a given part type. This feature works great for multiple component assemblies such as containers, enclosures, curbs, even your own HVAC fitting design!

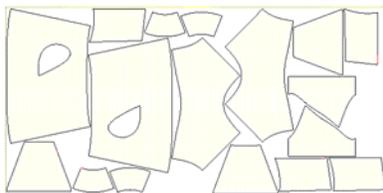


Shape library

Over 66 commonly used shapes – such as lifting lugs, belt guards, flanges, gussets – even fan housings and augers, are pre-programmed and ready for use.

Advanced Shape Nest

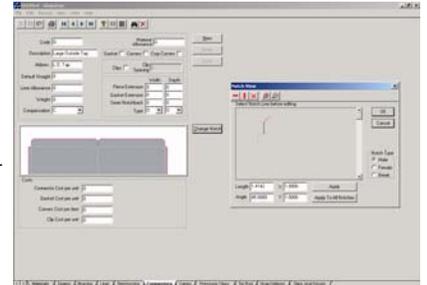
HVAC Fittings' shape nest automatically lays parts side by side and rotates them to match interlocking angles and contours. Part "pairing" maximizes material usage through piece placement. HVAC Fittings nests parts inside internal cut-outs for the highest nesting precision. Other nesting fea-



tures include chain cutting, move & bump manual nesting with mouse-controlled part rotation.

Incredible user-definable shop standards

ShopData' allows you to customize your HVAC software. Use standard industry pressure classes, or define your own pressure classes and construction tables. Define seams, connectors, vanes, materials and more. Enter your actual costs for accurate job costing!

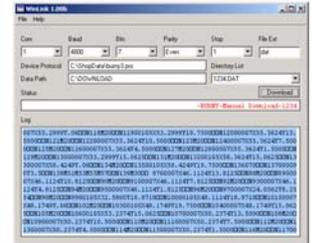


Programmable post processor

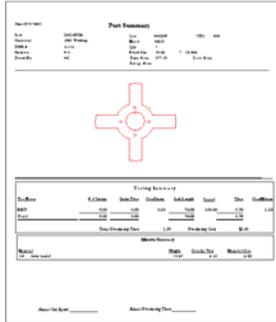
ShopData provides and supports programmable post processors for most CNC applications (coil line, water-jet, laser, punch/plasma combination, and more).

WinLink communication

ShopData for Windows allows continuous access to your library of parts and nested sheets. Download and upload from/to your PC.



Ultimate customization for labels & reports



Through the dynamic interactive capabilities of Microsoft Windows®, you can design your own ShopData reports & labels! By interfacing Microsoft Access® and Seagate Crystal Reports™ with ShopData for Windows, you have the tools you need to extract critical data for estimating, production, shipping, inventory management, purchasing and more.

On-line help

There is visual on-line help for all features, plus help "movies" which actually step you through specific system functions.



Personalized training & support

ShopData backs its software with 120+ collective years of metal fabricating experience and 27+ years in business. No cutting software company has more expertise! We offer hands-on, customized training at your site or ours. Take advantage of our 24/7 phone support through the annual ShopSource Support and Upgrade program.

Available through QSE

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