

# NEWSLETTER ABOUT FABRIWIN 9.0

## 28 Key Points:

### ***Tooling & Punch Sequencing***

- 1) **Individual Tool Color Control:** Allows the user to select color for each tool in the turret, where as in previous versions of FabriWin it was always the same color for all tools, based on the general preference option. This will let the user set how they wish to visually see their tools on the screen.
- 2) **Individual Tool Control:** Allows quick access to modify, view one tool at a time, with an easier to use interface.
- 3) **Support for Trumpf Tool in Clamp functions:** Earlier versions of FabriWin allowed tools to be dropped into stations that were assigned with a fixed Clamp, typically used on Trumpf style machines. Now the Station can be assigned as a clamp and prevent a tool from loading to it. Along with Graphic display of the tools at the Clamp(station positions) allows the tool to be shown while that tool is being sequenced.
- 4) **Tool-By-Tool Sequence and Direction control:** A more user friendly function has been added to control the tools sequence direction and order for easier modification by the user.
- 5) **Improved Cluster Tool Functions:** This new feature allows the user to quickly specify patterns to be used as a special tool file they wish to cluster a set of patterns, typically used on perforated type parts.
- 6) **Automatic Microjoints & Tabs:** New material options allow the user to apply multiple Microjoints and Corner Microjoint with one simple click, along with applying a Bridge type special tools(exam: Trapezoid) used on punching along a line.
- 7) **Automatic Tool Assignment with Improved Tool Assignment Priorities:** This option has opened up several more options for the users to set priority types for tools to be assigned to certain patterns, such as large Rounder Corner Tools can use an RC tool to slug out the RC tool or pick a set of Multiple tools(ie: RO, RE, SQ) to Slugout the Rounded Corner Pattern. And then with tolerances which can be set for each type of pattern the system can automatically assign tools based on preferences and tolerances. While drawing or importing geometry into FabriWin 9.0.
- 8) **Quick definition of Special Tools:** This has been improved for the user, to be able to select pattern(s) then right click and set the tool info, which will then be loaded directly into the current inventory, immediately available to assign tool automatically or manually.

### ***Cutting Features for Cutting & Combo Machines***

- 9) **Added Interference checking for cutting features:** This allows the user to detect areas where cutting attributes such as lead-in/outs, loops, pre-punch tools, etc.. May have interfered with the part, and the user can quickly modify the cutting feature with the edit cutting attribute functions.

- 10) **Group modification of Cutting Attributes:** This new feature allows the modification of multiple pattern conditions, such as Lead-ins/out, Cutting Conditions, etc..)
- 11) **Skip Parts Sequencing:** This feature has been added as an additional process type to control reduction of heat build up and part warping where thicker plate material is used. This sequence will jump the sequence between parts and will come back row by row or column by column depending on the users settings.(Good especially for torch cutting, plasma cutting or higher wattage lasers, using thick material).
- 12) **Cut Sequence saved with Part Mode for Combo Machines :** This option has been added to allow the user to sequence the whole part in part view for a Combo machine where before it would only use the sheet mode.
- 13) **Cutout Avoidance for Combo Machine:** In version 8.0 improved cutout avoidance was introduced just for cutting machines, but now in FabriWin 9.0 it is available for Combination machines to avoid previously cut out pattern to prevent the cutting head from traversing over the cutout.
- 14) **Reverse Oriented Machine Display:** In FabriWin 9.0 the system allows the machine driver to control the display orientation of the machines origin, along with Clamp Positions, so the users can tell which is the clamp orientation to the sheet layout, in relationship to the NC Code generation.

### ***Improved Geometry Support***

- 15) **Importing Improvements of Geometry:** The system now can set Linetype control so the user can import the linetypes to solid or construction type within FabriWin. Also now the system can detect Layers during importing a DXF or DWG file, to let the user disable or enable different types of layers.
- 16) **Ellipse Patterns:** Now the user can draw and create elliptical patterns within the system, which can be punched or cutout around it's perimeter.
- 17) **Improved Editing Features:**
  - a) **Define Box or Fence Delete:** Now the system allows the user to select multiple patterns to delete at one time, without Defining a macro first, and they can select by a window or an irregular fenced selection.
  - b) **Undo/Redo Patterns:** With FabriWin 9.0, now you can Undo or Redo while in Pattern Creation mode.
  - c) **IntelliSnap Mode:** With this new mode, it makes it easier to get drawing and referencing points used with a dynamic snap, which picks up certain snap points on patterns automatically. This reduces the need for using the locking functions and step cursor functions in the system.
- 18) **Support for OLE integration of Inventor 7.0, 8.0.** This new version has integrated the capability to use the OLE function to translate the AutoDesk's Inventor 7.0, 8.0 Sheetmetal Model into a Flat Pattern directly into FabriWin 9.0.

### ***Improved Sheet Mode Features***

- 19) **Auto Grid Feature:** This new feature allows the user to select one area to automatically fill the sheet with a single part, or a user specified area based on parts distance.
- 20) **Keep Sequence:** This option now allows sequence to stay with the cutting or punching patterns, when the sheet grid is adjusted.

## ***Intellinest Improvements***

- 21) **Prioritize Parts:** The system now will use a priority set to lay out some parts before others on the sheet, based on preferred part layout.
- 22) **Multiple Sheet Selection:** Now the system can select multiple sheet sizes of one material type for the system to use the best sheet size.
- 23) **Sheet Utilization:** This new feature allows the user to control what % of sheet is not acceptable for nest jobs to be generated, which in turn will return parts to the schedule that were on such sheets that did not fill the required utilization.
- 24) **Update Nesting Reports:** With the FabriWin 9.0, the user can now update sheets on a job and the nesting reports can be updated to reflect those changes.

## ***FabriWin and FabriTrak Integration***

- 25) **Part Info Carried into FabriTrak from the FabriWin part:** The system now can use the parts tools count and tool used data, as well as the total cutting path.
- 26) **Material Info from FabriTrak can now be used within FabriWin's Intellinest Material Database:** This allows the import of one type of material or to import the whole material database from FabriTrak
- 27) **Build an instant quote from FabriWin Part Info:** The process of punching, cutting can be detected by the part and assigned an instant operation with the FabriTrak Quote, along with secondary operations.
- 28) **Work Order number and part info from FabriTrak can now be seen within the FabriWin Part Info for Nesting purposes:** Now when a part or multiple part is pulled in from FT, the FabriWin will carry data such as Work Order#, Part Info Customer and others, which is useful when the Nesting Jobs are created in FabriWin's Intellinest.