

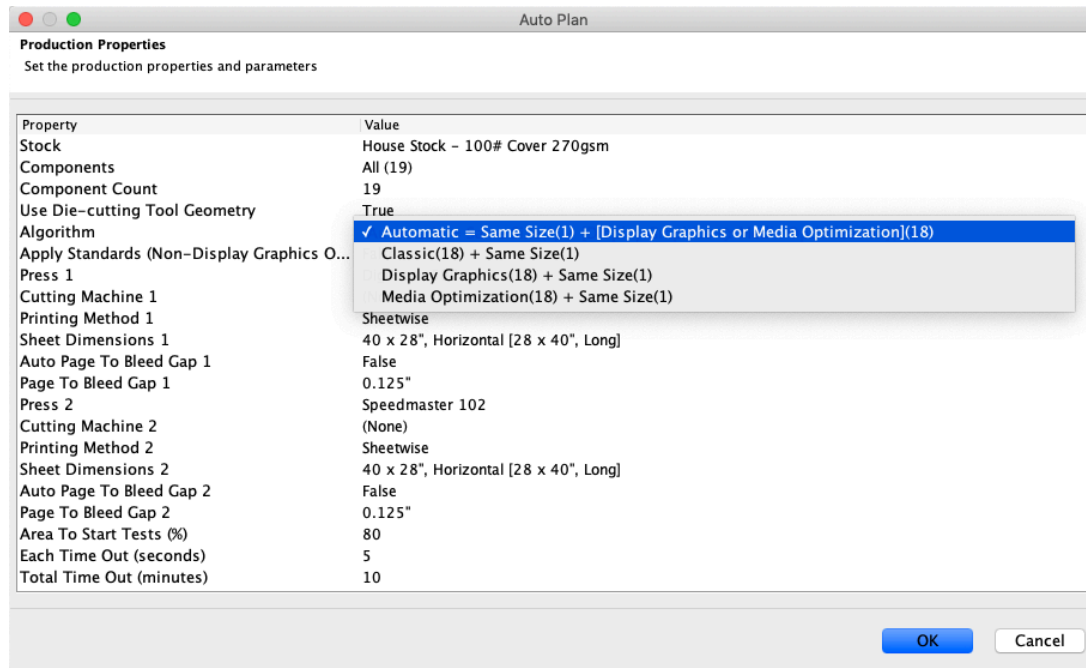
EFI Metrix Tech Note:
Auto Plan Dialog and “Automatic” Algorithm Selections

Version 21.1

Changes to Auto Plan Dialog and “Automatic” Algorithm Selections

What It Is

With the introduction of two new algorithms in Metrix 21.1, Display Graphics and Media Optimization, changes were made to the layout of the Auto Plan dialog and the behavior of Metrix when the selected Algorithm is **Automatic**.



The **Use Die-Cutting Tool Geometry** and **Apply Standards** options are now near the top of the window. In the **Algorithm** pull-down menu, the options may include, depending on the selected press(es) and product type(s):

- Automatic
- Classic
- Display Graphics
- Media Optimization
- Same Size

How It Works

“Automatic” Algorithm

When you select the **Automatic** algorithm, Metrix considers the type of product and the selected press(es) to determine which algorithm will provide the best results. Metrix may make several passes during the Auto Plan process, using one algorithm to plan some of the components and a different algorithm to process others. The name(s) of the algorithm(s) that will be used are shown in the **Algorithm** pull-down menu, along with the number of components that will be planned with each algorithm. In the example above, 1 component will be planned using Same Size and 18 will be planned using either **Media Optimization** or **Display Graphics**, depending on which press is actually used.

Selecting Specific Algorithms

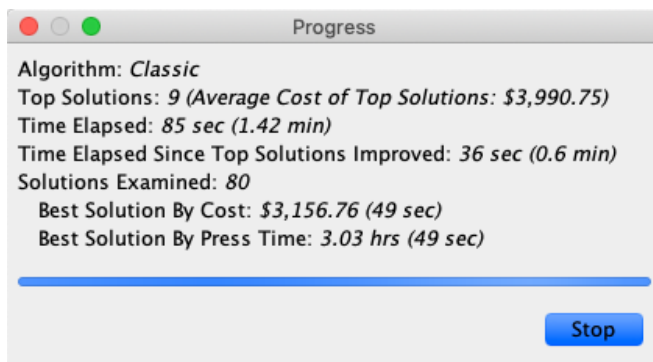
If you select a specific algorithm (**Display Graphics**, **Media Optimization**, **Classic**, or **Same Size**), that algorithm is used for both presses.

The **Same Size** algorithm will always be used for die-cut products that use die-cutting tool geometry. If all products in the project are die-cut, **Same Size** will be the only option. If there is a mix of product types, **Same Size** will be used for die-cut products regardless of which algorithm you select. For example, if you select **Display Graphics** in the screen shown above, the **Algorithm** menu shows that 18 products will be planned with **Display Graphics** and 1, the die-cut product, will be planned with **Same Size**.

Apply Standards cannot be used with the Display Graphics algorithm. If **Display Graphics** is the only algorithm selected, **Apply Standards** defaults to **False** and cannot be edited. If **Display Graphics** is one of two or more algorithms to be used, **Apply Standards** changes to **Apply Standards (Non-Display Graphics Only)**.

Auto Plan Progress

While Auto Plan is calculating the results, the name of the algorithm currently being used is shown at the top of the Progress window.



Auto Plan Results

If Auto Plan uses more than one algorithm to plan a project, the Auto Plan Selector window presents the results in batches, one for each group of products planned with the same algorithm. You must select layouts from each batch by clicking the **Next** button.

Auto Plan Selector

Select the preferred production plan – an Auto Layout may improve results further

Components were grouped together for Auto Plan. You need to select the results from all groups.

Autoplan Result Set 1/3

Elapsed Time	Cost	Speedmaster ...	Layouts
1 sec	\$5,536.70	9.08 hrs	3
19 sec	\$6,769.25	11.37 hrs	4
19 sec	\$8,051.41	13.73 hrs	5

Layouts (\$5,536.70)

- Layout 1 (\$1,845.57): Speedmaster 102 (3.025), 1,250, Sheetwise, House Stock – 100# Cover 270gsm, 40 x 28", Horizontal
- Layout 2 (\$1,845.57): Speedmaster 102 (3.025), 1,250, Sheetwise, House Stock – 100# Cover 270gsm, 40 x 28", Horizontal
- Layout 3 (\$1,845.57): Speedmaster 102 (3.025), 1,250, Sheetwise, House Stock – 100# Cover 270gsm, 40 x 28", Horizontal

Layout 3
Printing Method: Sheetwise
Press: Speedmaster 102
Sheet Dimensions: 40 x 28", Horizontal [28 x 40", Long]
Sheets: 1,250
Required Cuts: Cannot Be Cut
Sheet Area Use: 57.365%
Cost: \$1,845.57
Finishing Group: (None)

< Previous **Next >** Cancel OK

MXML Tags

Not applicable.

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