

1D Nesting

Bend-Tech has now added a new **Simple 1D Nesting** feature to the line-up of new things that makes this new release so amazing!

This nesting feature allows the user to get a quick estimate to the lengths and quantity of material stock that is needed. Also it gives you the layout of the parts among the needed material.

With the new **Assembly**, you can now bring over your entire assembly and have it nested with just the simple click of a button from right inside of Assembly using the Nesting Feature located under Tools.

This nesting feature uses Kerf and Stock Length to calculate the amount of drop from your parts. Kerf is the width of the saw blade in millimeters. Stock Length is the raw length of your material.

Display Lengths will give you the length of your parts used in nesting and you can choose to display the names of your parts along with your lengths.

You can open new projects and quickly open up other nesting projects that you have saved and display multiple nesting projects on the same screen. Printing out your nesting projects is available as well.

When creating a new nest, just add the type of material, the stock length, the kerf, your part names, and the quantity and length of your parts; push the calculate button and watch as your parts are nested instantly!

The screenshot shows the software interface for 1D Nesting. At the top, there are input fields for Project Name (Assembly), Description (Nest), Material (1 5/8" 120 DOM MM Steel), Stock Length (130.0), and Kerf (0.75). There are also checkboxes for 'Display Lengths' and 'Display Names'. Below these are buttons for 'New', 'Open', 'Save', 'Print', 'Calculate', and 'Close'. The main area contains two tables. The left table lists parts with their names, quantities, and lengths. The right table shows the calculated nesting layout, including quantities, drops, and the parts included in each drop.

Part Name	Quantity	Length
MainHoop	1	123.0344
DLFrameRail	1	95.4125
PLFrameRail	1	95.4125
BottomMainRail	1	52
MainHoopBrace	1	52.0752
D4LinkBrace	1	11.525
P4linkBrace	1	11.525

Quantity	Drop	Parts
1	6.9595	(1x MainHoop: 123.0344)
1	11.3374	(1x PLFrameRail: 95.4125) (1x P4linkBrace: 11.525) (1x D4LinkBrace: 11.525)
1	34.9874	(1x DLFrameRail: 95.4125)
1	25.9248	(1x MainHoopBrace: 52.0752) (1x BottomMainRail: 52)

