

MightyScape versus eCut

eCut is a powerful add-on for CorelDraw and can be used for a lot of things like hot wire cutting, laser cutting or vinyl cutting. But CorelDraw is closed source. I try to find good alternatives using Inkscape. I did some quick comparisons for the listed functions from their website. Most things can be done with Inkscape too - some better, some worse, some different.

eCut	MightyScape equivalent	eCut	MightyScape equivalent	eCut	MightyScape equivalent
[True shape nesting]	<ul style="list-style-type: none"> • Cuttin g Opti mizer (Nest ing) 	[Search shapes]	<ul style="list-style-type: none"> • no extension yet 	[Replace]	<ul style="list-style-type: none"> • no extension yet
[Print/Cut]	<ul style="list-style-type: none"> • See Inkcut 	[Create SignBox]	<ul style="list-style-type: none"> • no extension yet 	[Reference scale]	<ul style="list-style-type: none"> • Scale To Real • Scale To Path Length
[Perimeter]	<ul style="list-style-type: none"> • Extension → Visualize Path → Measure Path 	[Create lines]	<ul style="list-style-type: none"> • Grids /Guides 	[Create bridges]	<ul style="list-style-type: none"> • Create Links (Breakaway Connectors)

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[Area]	<ul style="list-style-type: none"> • Extension → Visualize Path → Measure Path 	[Create grid]	<ul style="list-style-type: none"> • Grids /Guides 	[Variable]	<ul style="list-style-type: none"> • Next Generator
[Cost]	<ul style="list-style-type: none"> • no extension yet 	[Crop marks]	<ul style="list-style-type: none"> • Printing Marks s Dotte d, or • Trim Mark s, or • Extensions → Render → Layout → Printing Marks 	[Hotwire cutting]	<ul style="list-style-type: none"> • no extension yet

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[Machine time]	<ul style="list-style-type: none"> • Laser Check • can also be done with Inkcut software easily 	<ul style="list-style-type: none"> • Laser Check • can also be done with Inkcut software easily 	<ul style="list-style-type: none"> • Path → Simplify, or • Extensions → Modify Path → Approximate Curves by Straight Lines (Flatten Bezier), or • Flevo bezier, or • Purge Duplicate Paths • Nodes 	[Optimize path]	<ul style="list-style-type: none"> • Optimize Sequence: Travel Distances • Optimize Sequence: Small Holes First • Longest Continuous Paths • Line Sorting

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[Weeding lines]	<ul style="list-style-type: none"> Weeding lines with Inksc ape <p>(no extension - lot of manual steps)</p>	[Effects]	<ul style="list-style-type: none"> there are massively more features in Inksc ape/ Might ySca pe 	[Finger joint box]	<ul style="list-style-type: none"> Finger-jointed/Tabbed Boxes
[Multiply]	<ul style="list-style-type: none"> no extension yet (which creates such cool crosses) 	[Edge roll]	<ul style="list-style-type: none"> Unwind Paths 	[Finger joint shape]	<ul style="list-style-type: none"> Box Make r-Path To Flex
[Rectangle nesting]	<ul style="list-style-type: none"> Fill With Copies 	[Contour cutting]	<ul style="list-style-type: none"> easy to do with Union + Path Offset / Offset 	[Volume/mass]	<ul style="list-style-type: none"> no extension yet

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[LEDs]	<ul style="list-style-type: none"> no extension yet. But a lot of pattern tools to do this 	[Separate curve]	<ul style="list-style-type: none"> Split Bezier (Subdivide Path) 	[Reduce nodes]	
[Neon]	<ul style="list-style-type: none"> no extension yet. But a lot of pattern tools to do this 	[Remove duplicated edges]	<ul style="list-style-type: none"> Purge Duplicate Path Segments Occult Plugin (Hidden / Superimposed Line Removal) 	[Door panels]	

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[Draft]	<ul style="list-style-type: none"> • Native function using Live Path Effect dimensioning, or • legacy Dimensioning (Replaced by LPE) 	[Slice shape]	<ul style="list-style-type: none"> • no extension yet, but similar to Split Bezier r (Subdivide Path) and Destructive Clip 	[G codes]	
[Central line]	<ul style="list-style-type: none"> • Native Centerline Tracing with CTRL + ALT + B 	[Eyelets]	<ul style="list-style-type: none"> • no extension yet 	[Liquid acrylic]	
[Smart divide]	<ul style="list-style-type: none"> • Native function using contour breaking 	[Create carrier (bounding)]	<ul style="list-style-type: none"> • Bounding Box 	[Scripts]	

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[Connect opened paths]	<ul style="list-style-type: none"> • Join Paths / Create Tabs And Dimples, or • Chain Paths, or • Close Paths, or • Line Merging (Combine Paths)) 	[Align and Distribute]	<ul style="list-style-type: none"> • Native function 	[Finger joint change size]	

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[Fillet]	<ul style="list-style-type: none"> • Native function, or • legacy plugin Fillet And Chamfer (Replaced by LPE), or • Rounded Corners (Replaced by LPE) 	[Set size]	<ul style="list-style-type: none"> • Native function, or • legacy plugin Scale To Size (Replaced by default transform scale) 		

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[Search for intersections]	<ul style="list-style-type: none"> • Contour Scanner And Trimmer • Path Intersections 	[CAD functions]	<ul style="list-style-type: none"> • Most functions are native in Inkscape, • or possible with the having extensions 		
[Search duplicates]	<ul style="list-style-type: none"> • no extension yet, but Purge Duplicate Path Segments could be extended with this function 	[DXF Export]	<ul style="list-style-type: none"> • Native function 		