

# SOFTWARE FUNCTIONS

## DESIGN

Functions	GP GPSP	GPS	CM4
Save to USB (Offline Operation)	X	X	X
Rearrange menus & buttons	X	X	
Archive design to Cloud	X	X	
Create contour cut lines	X	X	
Convert object to path	X	X	
Ruler, snap-to-grid, guidelines	X	X	
Group, lock, order, combine, and align objects	X	X	
Text fonts, justification, find / replace	X	X	
Generate barcode, Braille, AR code, data matrix	X	X	
Filter effects	X	X	
Bitmap editor	X	X	
Vectorize (auto-trace)	X	X	
Add shadows to objects	X	X*	
Spell check	X		
Auto serialize barcodes, QR code, etc.	X		
Lens effect	X		
Distort objects	X		
Vectorize by color	X		
Rasterize	X		
Rhinestone	X		
Deskew	X		
Operating System	Windows	Windows	Windows & Mac

## CUT AND PLOT

Functions	GP GPSP	GPS	CM4
Preview	X	X	X
Copy / Matrix Copy	X	X	X
Repeat Job	X	X	X
Center, Rotate, Mirror	X	X	X
Add Registration Marks	X	X	X
Reverse Side Registration Marks	X	X	X
Reverse Color Registration Marks	X	X	X
Tiling	X	X	X
Weed lines & borders	X	X	X
Import / Export Cutting Conditions	X	X	X
Over Cut	X	X	X
Expand Cut	X	X	X
Welding	X	X	X
Control Cutting Direction	X	X	X
Position Offset / Registration Mark Offset	X	X	X
Assign Cutting Conditions by color / layer	X	X	X
Assign Cutting Order by color / layer	X	X	X
Pause operation between colors / layers	X	X**	X
Nesting / True Shape Nesting	X		
Manually Control Cutting Order	X		

**RHINESTONE AND AUTO NESTING**

Category	Function	Graphtec Pro Studio	for Rhinestone	for Auto Nesting	Graphtec Pro Studio Plus	Description
File	Acquire Image	X	X	X	X	Capturing the image from the scanner.
	Archive to Cloud	X	X	X	X	Saving the job to the SAiCloud.
	Send to Approval Tool	X	X	X	X	Saving the job to the approval tool on the SAiCloud.
	Work-space	X	X	X	X	Switching the location of the menus and buttons like the style of the software that is familiar with you.
View	Color	X	X	X	X	Editing the color.
	Show	X	X	X	X	Displaying the ruler, grid and guide lines.
	Snap	X	X	X	X	Moving the object relative to the guide or grid.
Arrange	Group	X	X	X	X	Grouping objects.
	Lock	X	X	X	X	Locking the object for setting to non editable.
	Contour Cut	X	X	X	X	Creating a contour cutting line of objects.
	Convert to Outlines	X	X	X	X	Converting the object to path.
	Path Direction	X	X	X	X	Specifying the direction of cutting when the object data is output.
	Order	X	X	X	X	Arrange the selected object as bring to the front or send to the back.
	Align	X	X	X	X	Aligning the object to reference that is specified in sub-menu.
	Distribute	X	X	X	X	Distributing all objects evenly in the effective area by the specified method.
	Nest	-	-	X	X	Performing the simple nesting by moving the object along the X- or Y-axis.
	True Shape Nes	-	-	X	X	Performing the advanced nesting by moving the object including the rotation.
	Deskew	-	-	-	X	Correcting a skew of the imported image from the scanner.
	Step and Repeat	X	X	X	X	Performing complex replication as the matrix copy.
	Auto Serialize	-	-	-	X	Creating a copy of the object that has the serialized number in each copy.
Cut Order	-	-	-	X	Starting the cutting simulator that shows the cutting order in the animation.	

Text	Font	X	X	X	X	Setting the font type of the character.
	Justification	X	X	X	X	Aligning the string of text.
	Find/Replace	X	X	X	X	Search or replacing the text.
	Check Spelling	-	-	-	X	Checking the spelling.
	Case	X	X	X	X	Switching between uppercase and lowercase in letters.
	Insert Symbols	-	-	-	X	Creating the Braille, bar code, QR code, and data matrix.
Effects	Combine	X	X	X	X	Combining objects.
	Lens	-	-	-	X	Changing the appearance by applying a lens effect to overlapped objects.
	Contour Cut	X	X	X	X	Creating the cutting line of objects.
	Contour Cut Mark	X	X	X	X	Creating the registration marks to the object that has the cutting line.
	Page Contour Cut Mark	X	X	X	X	Cutting the object that is located the outside area enclosed by the registration marks.
	Distortion	-	-	-	X	Deforming the object.
	Shadow	Only drop shadow	Only drop shadow	Only drop shadow	X	Adding shadows to objects.
	Color Trapping	-	-	-	X	Removing the overlapping portions of objects without a gap
	Brend	-	-	-	X	Creating new objects that is changing the shape and color in stepwise between the specified two objects.
	Rhinestone Fill	-	X	-	X	Creating holes for the rhinestone that fills the object or fits the contour of the object.
Bitmap	Bitmap Edit Toolbar	X	X	X	X	Editing a bitmap object.
	Vectorize (Auto-trace)	X	X	X	X	Automatically converting the bitmap object to the path.
	Vectorize (Others)	-	-	-	X	Converting the bitmap object to the path.
	Rasterize	-	-	-	X	Converting a vector object into a bitmap.
	Filters	X	X	X	X	Applying filter effect to the bitmap object.

Tools	Vector Eraser	X	X	X	X	Clearing any objects in the area that specify by dragging of the eraser tool.
	Cleaver by Path	-	-	-	X	Splitting the created object, each split object can be edited.
Cut/Plot	Preview window	X	X	X	X	Moving the tool carriage that response to the position change of the cutting job.
	Preview	X	X	X	X	Showing the actually cutting job size by moving the tool carriage.
	Copies	X	X	X	X	Specifying the number of copies of the job.
	Repeat job	X	X	X	X	Specifying to send the job to the cutter repeatedly.
	Centering	X	X	X	X	Specifying location of the job on the page.
	Rotate	X	X	X	X	Rotating the job in 90 degree.
	Mirror	X	X	X	X	Creating the mirror image of the job.
	Total tiles	X	X	X	X	Displaying the total number of tiles. (Indication only)
	Weed lines	X	X	X	X	Adding lines for weeding.
	Weed border	X	X	X	X	Adding the border line in the specified margin for weeding.
	Driver option	Color only	Color only	Color only	X	Enabling to specify the cutting condition for each color / layer.
	Change order of color or layer	Color only	Color only	Color only	X	Specifying the cutting order for each color / layer.
	Pause between colors or layers	Color only	Color only	Color only	X	Pausing after the end of cutting of each color / layer.
	Import or export the cutting condition settings	X	X	X	X	Saving or loading the cutting conditions.
	Over cut	X	X	X	X	Cutting the contour line longer by the specified length in order to completely cut objects.
	Eliminate line-segment overlap	X	X	X	X	Deleting the overlapped paths or others.
	Position offset	X	X	X	X	Moving the cutting job in specified distance.
	Offset in registration mark	X	X	X	X	Adjusting the cutting position within the area enclosing the registration marks.
	Divide (cut segment)	X	X	X	X	Performing the process for each segmented area when there are additional registration marks on the cutting job.
	Revers-side Registration Mark	X	X	X	X	Making process at the reverse-side using the registration marks printed on the front surface.
Save to file	X	X	X	X	Creating the plot file for offline operation.	
Use Bar-code	X	X	X	X	Creating the bar-code for managing the cutting data.	
Reversed color mark	X	X	X	X	Creating the registration marks in reversal color that is the white mark on black background.	
Color selection of mark	X	X	X	X	Specify the color of mark line and the color of paint around mark.	
Smart Nest	-	-	X	X	Dividing the data and arrange it in the margin area of the media, when cutting data larger than the media size.	