trotec®
laser. marking cutting engraving

Trotec JobControl –
The Most Important Features at a Glance

Engraving time calculator: JobControl indicates the time of the laser process beforehand. All engraving and cutting applications are included in the calculation.

Job favorites: Save laser settings (size, material, resolution, cut lines, etc.) for repeating jobs. Saves setup time and reduces the risk of errors.

Material database: Add, change or delete materials is extremely easy. In addition, materials, material groups or the complete material database can be locked against changes.

Photo-optimized engraving: For perfect and pin sharp engraved pictures.

Enhanced geometries: Cutting lines are transferred to the laser in perfect arcs/tool paths. For optimum cutting results on all materials

Multiple engraving passes: Multiple engraving passes can be defined by color. For improved engraving results, less dirt and less heat on the material.

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IPC (Intelligent Path Control): With the novel laser control module, speed and acceleration are dynamically adapted depending on the cutting path. The process time and the quality of the cutting results are significantly improved.

Position marker: Ensures accurate positioning of the laser job through visual feedback on the screen of the actual position of the processing head. Jobs engage automatically in place. When engraving several objects, it is thus ensured that engraving is performed at exactly the same position. Setting times are thus reduced and errors are prevented.

Reverse engraving: For engraving from the bottom to the top. During reverse engraving, the removed material is not extracted over the machined surface, which reduces the cleaning effort.

Multiple job positioning: Especially useful when producing in series. The laser job is sent to the laser machine once and is positioned on the work surface by the queue as often as required and in a space-optimized manner.

Engraver log: Provides detailed information on completed jobs. This makes calculation and the preparation of production plans easier.

WYSIWYG: Ensures that the end product will look exactly as the display on the screen. Allows for easy control before starting the engraving process.

Webs: Interrupts the cutting line at defined positions. This is particularly useful when engraving text plates for rubber stamps as the plate will remain in one piece. Cleaning and assembly of the rubber stamps will thus be easier.

Automatic cutting lines: Various options for automatic cutting out of work pieces. You can choose between optimized, round and square cutting lines.

Functions JobControl
Basic – Advanced – Expert

Function	Basic	Advanced	Expert
Job favorites	-	-	X
Job size templates	X	X	X
Process option	Standard, Stamps	Standard, Stamps, Relief, Layer, Photo-optimized	Standard, Stamps, Relief, Layer, Photo-optimized
Resolution	125, 250, 333, 500, 600, 1000 dpi	125, 250, 333, 500, 600, 1000 dpi	125, 250, 333, 500, 600, 1000 dpi
Raster algorithms for photo engravings	Ordered Dithering	Ordered Dithering, Stucki, Jarvis, Floyd Steinberg, Color, Black & White	Ordered Dithering, Stucki, Jarvis, Floyd Steinberg, Color, Black & White
Automatic cut lines	-	Rectangular, round, optimized	Rectangular, round, optimized
Invert job	-	-	X
Mirror job	-	-	X
Enhanced geometries / Arc commands	-	-	X
Shoulders for stamps	Flat, medium, steep	Flat, medium, steep	Flat, medium, steep
Quick Print	X (exclusively)	X	X
Autoposition	-	X	X
Process colors	4	8	16
Start, stop laser	X	X	X
Pause laser	-	-	X
Snaplines	-	-	X
Repeat cut lines	-	X	X
Plate setup	X	X	X
Position job multiple	-	-	X
Duplicate job	-	X	X
Vector ordering	-	O	X
Rotate job	-	-	X

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Reset job	-	X	X
Marker	-	-	X
Engraving time calculator	-	-	X
Job preview	-	-	X
Rotary attachment	-	X	X

X = included as standard

O = optional available

- = not available

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