Perforating tool for Summa F Series flatbed systems

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Summa nv
Rochesterlaan 6
8470 Gistel
Belgium

+32 59 27 00 11
www.Summa.com

BTW BE0456 536 537
IBAN BE95 7360 2727 5858

General info
The new Summa perforating tool for the F Series is used to make perforations in a very efficient and fast way. By using this tool, the perforated materials will be a lot easier to bend or fold. Then, the folds will have sharper 90° edges resulting in a nicer finish. This will save considerable time in the assembling of, for instance, cardboard or polypropylene boxes.

Strongest features
- Up to 25 times faster cutting of perforation lines (versus EOT tool)
- Alternative for creasing. Folding and bending lines into cardboard
- High-quality perforated cuts
- Several knives available

Ideal for cutting
- Solid cardboard
- Corrugated board
- Polypropylene film

Customer benefits
- Shorter cutting process
- Perforated lines will be easier to bend and process, saving labour and finishing costs
- Bending lines are more straight

Examples of the knives and their application

A. Perforating tool for cardboard, (example craft back 0,5 mm)
Cardboard often used for small boxes
Knife to use: 500-9891 (1.7x1.7mm D1.1mm) or 500-9890 (1x1mm D1.1mm)
Application: Instead of creasing, the cardboard can be perforated, which will result in cuts that are much easier to bend. The perforation cut is done on the printed side. For optimal results, the creasing and cutting are done at the rear side of the cardboard.

B. Perforating tool for cutting corrugated (example: E-flute 1,5 mm)
Knife to use: 500-9892 (3x3mm D4mm) or 500-9893 (5x5mm D4mm)
Application: Also in this case the perforated material will be easier to bend as opposed to creasing. The best result is obtained when creasing is combined with perforated cuts. This way, the perforated cardboard bends perfectly 90°. For optimal results, creasing, perforating and cutting are done at the rear side of the cardboard.

C. Perforating tool for cutting Polypropylene (example: 0,8 mm PP)
Used to produce small boxes, maps, etc.
Knife to use: 500-9891 (1.7x1.7mm D1.1mm) or 500-9890 (1x1mm D1.1mm)
Application: When processing perforated cuts in polypropylene sheets, it will be easier to bend the folding lines. The best result is obtained when the material surface is first slightly cut at the material surface with the kiss-cut tool. The usage of the perforation tool afterwards, will give it a nice finish. It is perfectly possible to bend 90° and maintain a clean folding line that can be folded durably several times.

Alternative applications and application tip

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Perforating lines to create self-closing folding boxes
The better bend properties of the perforated lines enable the creation of a folding line at the bottom of a box.
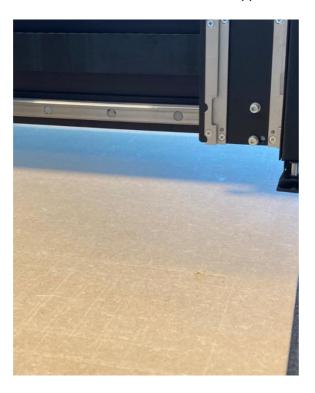

Tip: Perforating tear-off lines
The standard F Series conveyor belt does not give sufficient support to do a full perforation cut through flexible or thin materials.

To cut through, we recommend using a stiffer underlay. By putting an MDF board in between, the necessary resistance is created for the cutter blade. The MDF is soft enough not to damage the knife and porous enough to distribute the vacuum to the sheet. The **500-9890** knife is recommended for this application.

Practical information

<u>Minimum system requirements</u>
GoProduce V2.3
Firmware Version 39

<u>Recommended options</u>
An additional tangential module may be needed because the perforating tool will probably be used in combination with cutting and creasing tools.

Tip: **when using three tangential modules, make sure the left ADC is installed.**

<u>Tool and knives</u>

ItemNr	Description
500-9315	**Perforating tool** The tool standard included three perforation knives 500-9891 / 500-9892 / 500-9893

Perforation Knives:

ItemNr	Description
500-9890	Perforation Knife 1 x1 mm D1.1 mm (12TPI)
500-9891	Perforation Knife 1.7 x1.7 mm D1.1mm (8TPI)
500-9892	Perforation Knife 3x3 mm D4 mm (4 TPI)
500-9893	Perforation Knife 5x5 mm D4 mm (3TPI)

For price-related questions, please contact your Summa Sales Representative

<u>Availability</u> of the perforating tool: Immediate