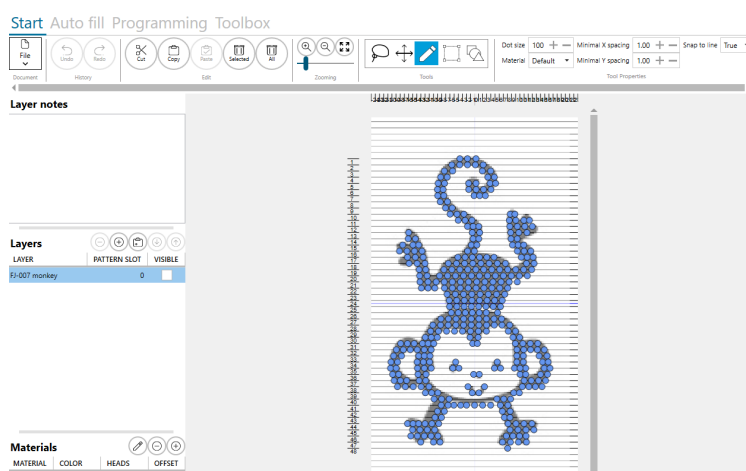


FDS

Foodjet Designer Studio



Pattern making software : FoodJet Designer Studio

Foodjet Designer Suite is a PC application that allows an operator to graphically design droplet-patterns for depositor heads. These patterns can be transferred from the PC application to the depositor head's fixed memory over a serial communication bus.

Designing decorations or shapes

A mouse click in the working panel of the application creates a droplet and by turning the scroll wheel, the volume of that droplet can be modified by changing the opening time on the nozzle that will eventually print it. By composing a pattern made from droplets, all sorts of decorations can be programmed into the depositor head's integrated control board fixed memory. "Paint"-like functionality such as cut/copy/past/move/lasso or quick insertion of lines/squares/triangles/ellipses is available via the main menu. Multi-pattern or layer designs in one file saves time in documenting and setting up the parameters. The retrieval of patterns stored inside a head for viewing or adaptation in the PC environment, is a very useful function.

Auto-fill of shapes

It is also possible to "auto-fill" shapes with droplets by setting a black&white image file as a background in the working pane

of the application. This assists the operator in reducing clicking effort greatly and can deliver smooth surface fills with constant droplet spacings.

On the fly adaptation of patterns

The new generation of control boards and firmware allow the Foodjet Designer Studio application to write data or update parameters to the memory without interfering the ongoing depositing process. This enables the operator to make small adaptations without any production loss.

Operator screen

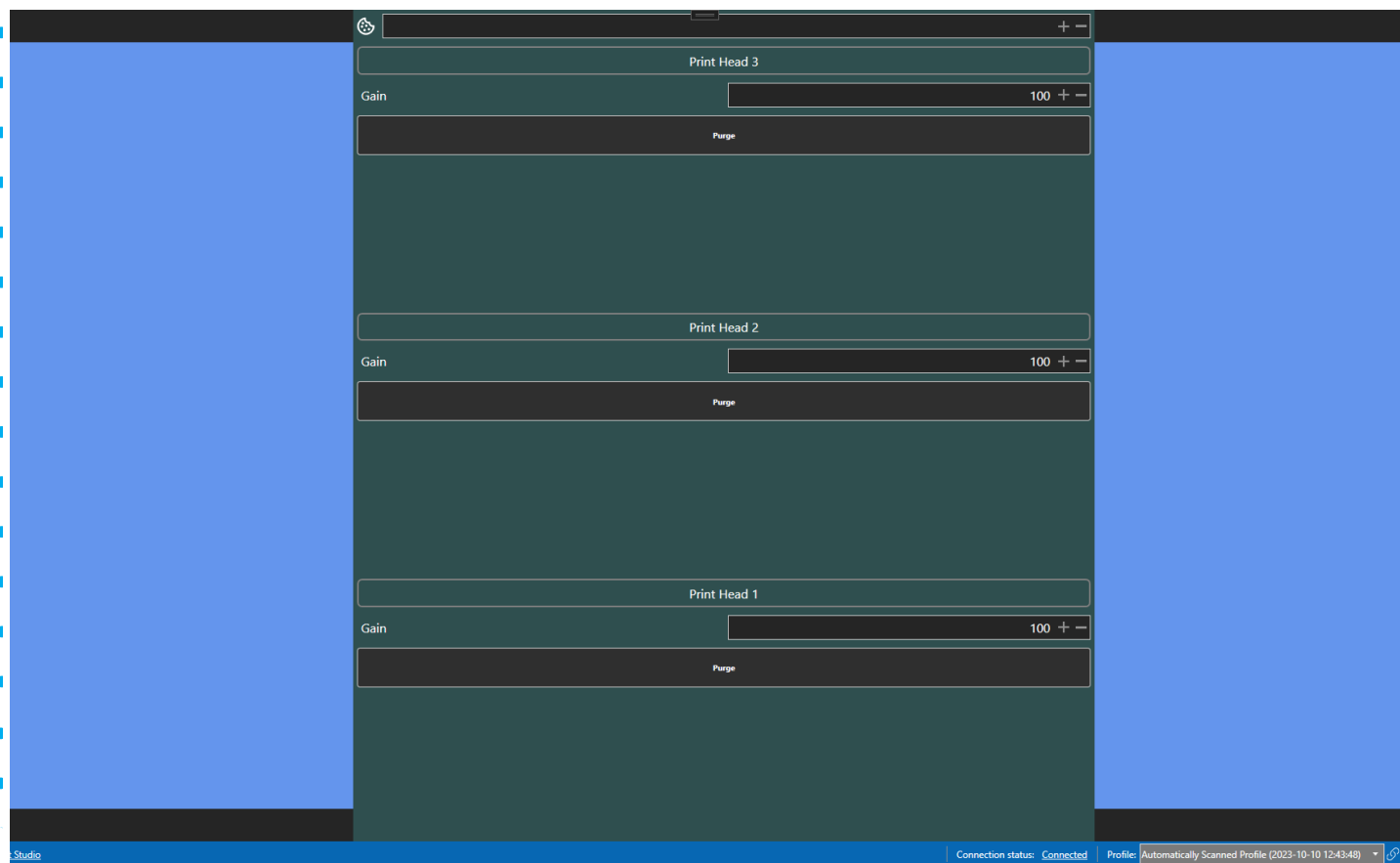
FJ Studio can also function as a low level HMI for the most straightforward machines. Enabling heads, test functions and parameter modifications can be done directly from this screen, integrated in the FJ Studio application.

Advanced functions

A complete list of low-level setup parameters is available in the config menu. When connected to a head, they can be viewed and modified by the operator. Examples are : printing direction, individual nozzle timing gain, communication bus setup, signal filtering and even firmware bootloading.

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Operator screen

WWW.FOODJET.COM

Ambachtsweg 49 | 6541 DA Nijmegen
The Netherlands | T +31 24 3790061
info@foodjet.com | www.foodjet.com

