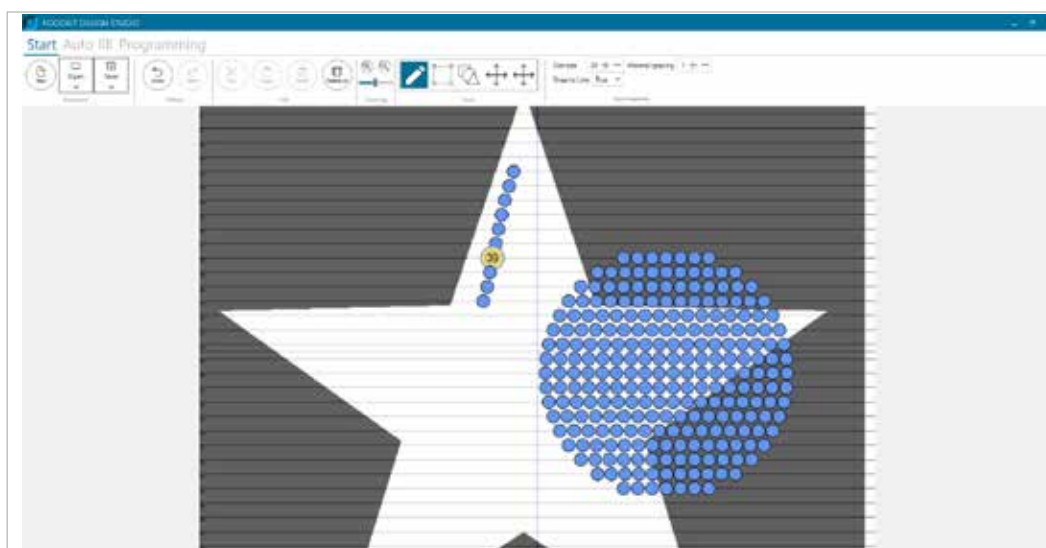


FDS

Foodjet Designer Studio



Pattern making software

FoodJet Designer Studio 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.

Additional functionality

It is possible to "auto-fill" shapes with droplets by choosing a picture with standard graphical format as a background template. This assists the operator in reducing clicking time greatly and can deliver smooth surface fills with constant droplet spacings. Now the operator can also select and edit parts of the pattern with drag & drop, copy/paste functions. Standard shapes such as circles, squares, lines or triangles can be generated without a background template.

Suitable for machines with or without camera detection of product position

Random or semi-aligned products can be detected by means of a standard industrial vision system. During the movement of the products the vision

system measures the individual midpoints and primary axis orientations of the products on the belt and communicates this information to a depositor head's integrated controller board. For every detected product, the chosen intermediate pattern made in FoodJet Designer Studio is rotated to the requested angle and allocated to the nozzles that match the product's XY position on the belt. This way, the fixed image is "pasted" as a best fit on the moving products. It is even possible to select patterns for products based on camera information, so a "mixed box" production with different decorations on different products positions is an option.

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