



Xpress Food Grade

**Inkjet single pass
printer for
food grade
(fully edible)
printing
applications**



With this line of products it is possible to print directly on food for decoration with azoic and not azoic inks (CE and FDA)

We have been working closely with an italian food dye producer to realize this inkjet top technology, so that we could offer this great opportunity to the food industry.

A 100% italian creativity application that can offer you:

- "Single pass" = up to 30 mt/min speed continuous print.
- Flexibility: the print module can be tailored upon the real production and application needs, from the number of colours to print width, up to the number of printers which can be connected together in the same network.
 - Multilanes and multicolour, more printers connected to a single network work side by side to get the highest production flexibility.
 - Always the lowest printing cost, using printhead with multidrops technology.
 - The digital printing decoration at the service of marketing.
 - Ink and power cost the lowest.
 - Low maintenance even for long stops



Technical features**Technology**

digital single pass inkjet, no contact between the printer and printable surfaces.

Print width	starting from 70 mm.
Print length for single head	up to 1000 mm.
Print speed	up to 30 mt / min.
Number of colours or ink types	from 1 to 4
Printhead	Drop On Demand
Print resolution	180 x 180 dpi or 360 x 360 dpi
Drop volume	variable, starting from 14 pl
Number of nozzles per printhead	508 or 1024 nozzles
Distance from nozzle, palte and surface	minimum < 1 mm / maximum < 3mm
Running temperature	18-30°C min / max (constant)
Ink/dye used	food grade (complying CE or FDA rules); azoic or not azoic (natural).
Ink pressure	with closed loop control
Power supply	autoranging from 110 to 240 v AC
Power	150 w

Technical feature subject to change without notice.

Dimensions**2 Heads model****4 Heads Model
(four-colours process)**

Other features

- dedicated printer management software (included), it needs a pc (OS Windows MS) and it has these main functions:
 - Dropsize regulation (14, 28 and 42pl), "double firing" to repeat the drop jetting sequence in order to increase the color depth, so that it is possible to achieve the best ratio ink quantity/color contrast.
 - Print management
 - Print (images) sequences programmable (option).
 - Network (ethernet) connection and image addressing, remote diagnostic.

Other

- Easy long time stop, function for a quick complete cleaning of the ink hydraulic circuit for long production breaks (weeks), or for a fast colour change.
- Product presence sensor (included).
- Encoder for synchronizing the inkjet sequence for each nozzle row and heads (included).
- Ink low level alarm with remotable output.
- Very compact shape and reduced dimensions to get maximum flexibility in positioning the printer inside the production line.
- Very low power consumption (150 W) for printer (up to 4 colors/heads).
- Ink supply with 1 lt bottle with external ink filter.
- Calibrated and individual head purge to reduce the possible ink waste.

Options

- Print station (belt conveyor with lifting sistem and adjustable shores).

