

Xpress Food Grade

Single pass
printer for food
applications



Inkjet printer for production line, to print directly onto foodstuffs, with azoic and non-azoic food grade liquids (CE or FDA compliant).

To realise this project, we worked for many months in collaboration with an Italian company to develop a series of food grade liquids to achieve maximum synergy between two complementary experiences. Thus obtaining this particular application at the top of the market.

A 100% Italian experience that can offer:

- "Single pass" = single pass; continuous printing up to 30 m/min and more.
- Flexibility: the printing module can be composed according to production needs, costs, print light and the number of inks/colours required.
- Multi-track and multi-colour, multiple printers side-by-side and networkable for maximum productivity and flexibility in production.
- Lowest print cost thanks to printheads with multi-level drop function.
- The flexibility of digital printing at the service of product marketing.
- Virtually negligible print consumption and costs.
- Minimum maintenance, even for long downtimes.



Technical Features

Single-pass inkjet technology with no contact between print surface and printhead

Print height per single head from 33 mm.

Max. print length per single head up to 1000 mm.

Max. printing speed up to 30 metres / min.

Number of colours or liquid types used per printer 1 to 4

Printhead Piezoelectric - Drop On Demand

Print resolution 180 dpi - 360 dpi - 600 - 4800 dpi

Drop volume from 5 pl

Distance between print surface and head min < 1 mm / max < 10 mm

Working temperature 18-30°C min / max (constant)

Type of liquids used food grade / edible according to CE or FDA regulations; both synthetic and naturally derived

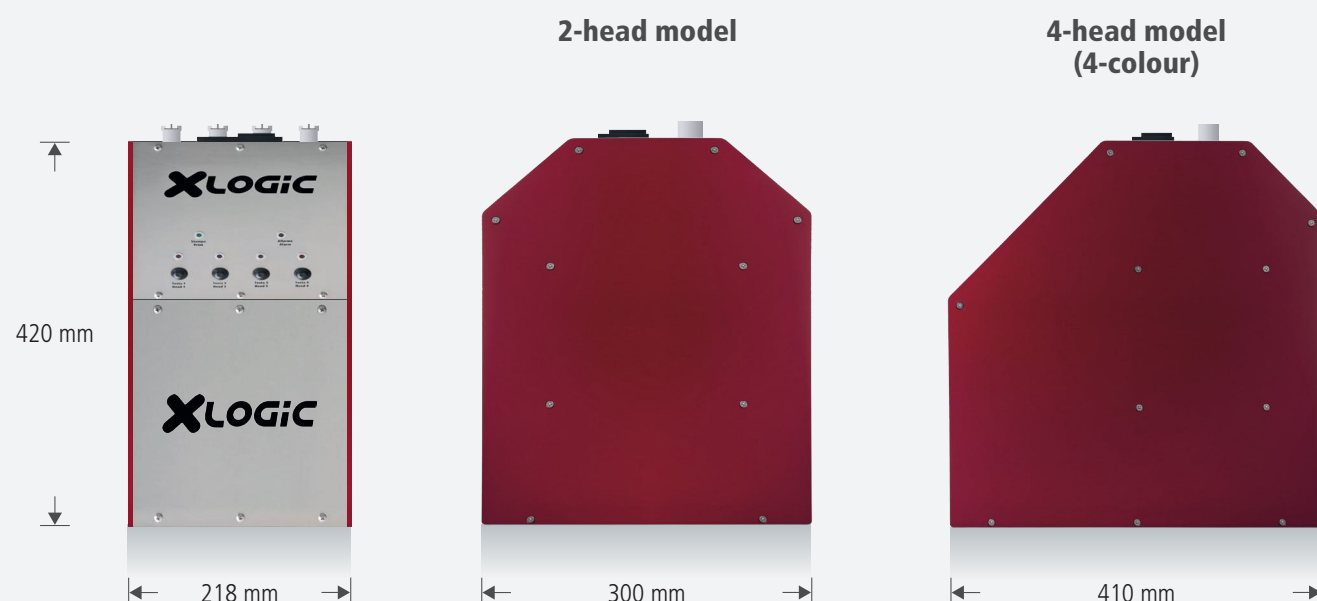
Internal pressure control digital closed-loop

Supply voltage 110 to 240 v ac

Power 150/300w

Specifications subject to change without notice.

Dimensions



Other Features

- Management software (dedicated and supplied) for the printing unit via PC (OS Windows MS) with the following features
 - Maximum flexibility in modulating drop volume (14, 28 and 42pl) and "shot repetitions"; the best contrast is obtained and consumption is optimised according to the product to be decorated.
 - Programming of print sequences and/or images to be printed (option).
 - Remote connection for direct assistance.
- Automatic maintenance function to conveniently manage production downtime without operator intervention (up to ten days).
- Product presence sensor (included).
- Encoder to detect the speed of the objects to be printed (included).
- End-of-liquid alarm with possibility of remote signal to production panel.

Other advantages

- Compact dimensions of the printing unit, offering maximum flexibility in positioning at different points of the production line.
- Extremely low power consumption 220 VAC 150 W per printing unit.
- Individual head cleaning/flushing system to reduce ink consumption.

Options

- Decoration station, complete with conveyor belt and electric printer lift system.



Liquidi Food Grade.

■ The right appeal without compromise for people of all colours!



- AZO-FREE

Liquids Dyes obtained by synthesis.



- AZO-FREE

Liquids Dyes of natural origin.



- NATURAL

liquids Dyes derived from plant extracts.

