

Printing Machine 972 CNC

Automatic CNC machinery for screen-printing on glass cosmetic containers

Multicolor UV, thermoplastic inks and enamels



machines
DUBUIT >>>

UNIVERSAL: all around printing (360 °) on any developable geometric shapes.

HIGH OUTPUT: carousel conception.

PRINTING QUALITY: no vertical screen movement during printing cycle.

USER-FRIENDLY: 329 Machines Dubuit software.

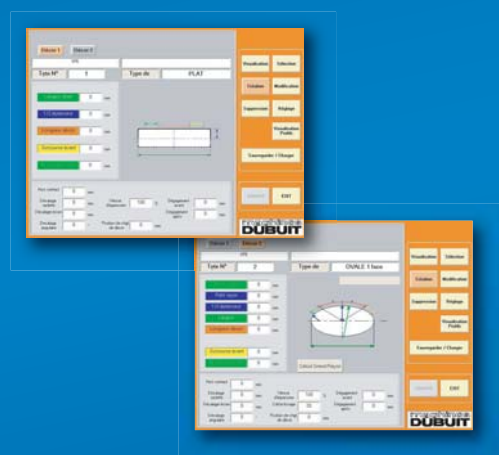
FLEXIBLE: highly reduced time of production change over.

SHORT RETURN ON INVESTMENT, including on small runs.

»»» The screen-printing carousel, **972 CNC DUBUIT**, has been specifically developed and designed to answer the cosmetic market demands.

Able to perform simultaneously several functions at high speed, whatever the shape of the object, the artwork, the ink chosen (enamel, UV or thermo-plastic) and the number of colours.

Carousel version of the 329 machine, the 972 remains user friendly, using the same operator interface.



Creation or modification of shapes and decors are the fastest of the market.

Tools (grippers and chucks) are identical on the 329 and 972 machines.

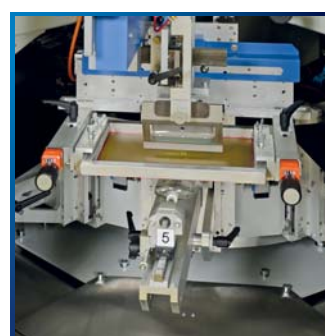
Especially dedicated to the Glass Cosmetic Market, the 972 is compact.

As a result, mechanical movements are limited ensuring the highest printing quality at high speed level.

machines
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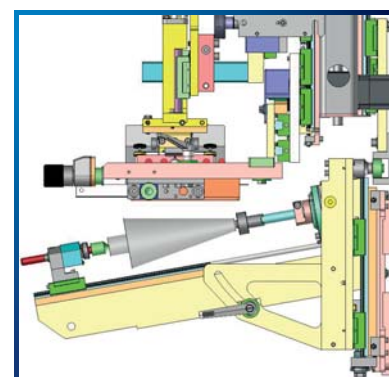
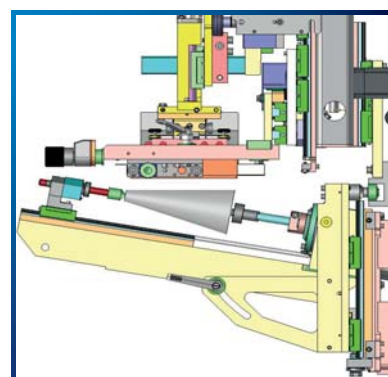
Transversal printing



Longitudinal printing

Main features »»»

- Fully servo-driven printing head allowing screen printing on any complex developable shapes.
- Longitudinal and perpendicular printing (standard feature).
- Object holder with vertical movement (no up and down movement of the screen during the printing).
- Angular object holder adjustable for conical article (standard feature).
- Screen holder adjustable in any position with micrometrics knurled buttons and digital display.
- Well known user-friendly interface. Easy programming and fast calculation enable quick production change.
- More than 12 families of pre-programmed shapes to simplify the objects set up.
- Possibility to load via an USB key the object drawing from a DXF file.
- Unlimited storing of object programs.
- Extremely compact: low square meter occupancy.
- Remote maintenance via internet.



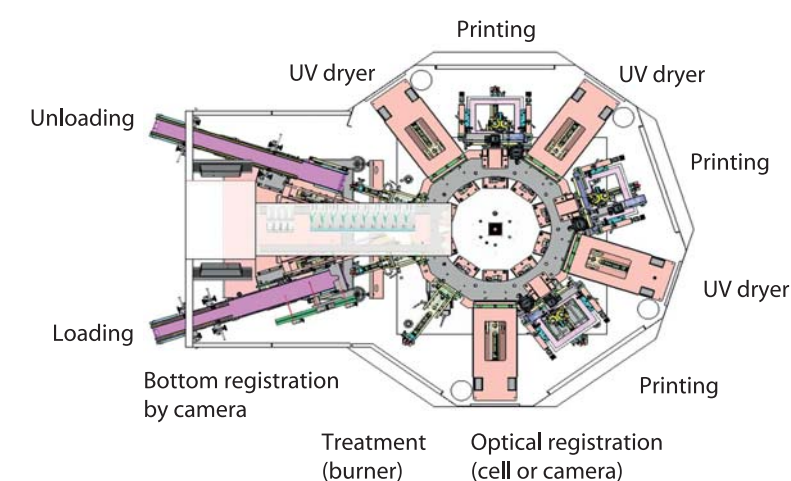
Object holder adjustable for conical or reverse conical

Additional functionalities »»»

- Numerical management of the flame treatment meeting every bottle shape specificity.
- High technology UV dryer. Automatic air cooling system to optimise the UV lamp life time and efficiency. Energy saving technology reduce the UV dryer consumption (up to 35%).
- Mechanical, optical (cell) and camera registration systems.
- Screen heating device for thermo plastic inks and enamels.
- Automatic screen adjustment by camera (useful to apply a precious metal on flux or in case of second pass).



Example of configuration



Technical datas

- Article dimensions: any shape fitting in a 80mm diameter with a maximum height of 200mm.
- Production output: up to 3600 articles/h
- Overall machine dimensions:
L: 3600mm / W: 2650mm / H: 2500mm
- Weight: ~5000 kg (depending the required configuration)

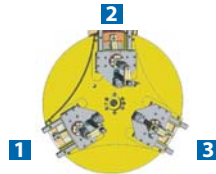
Other equipments >>>

329 CNC Machinery

Automatic screen printer for cosmetic glass bottles or jars.
Fully servo-driven, allows screen printing on any developable shape.
Up to 2 colors.
Up to 3600/h.

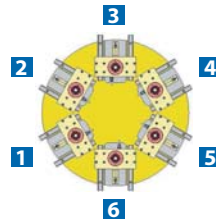
3 stations version

- 1 Loading
- 2 Printing (1 - 2 colors)
- 3 Unloading



6 stations version

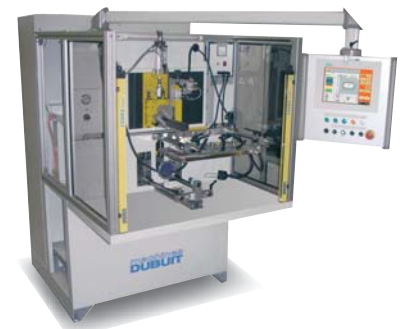
- 1 Loading
- 2 Flame treatment
- 3 Printing (1 - 2 colors)
- 4 UV Drying
- 5 Unloading
- 6 Safety Control of good unloading



6 stations version

Auto or semi-automatic CNC machine

- Equipped with 4 servo-driven axis, the 902 machine can print any shapes of developable objects.
Ideal equipment to run test batches or small productions that would not be possible on a conventional electro-mechanic semi-automatic machine.
In addition, the machine 902 can also be used to train operators without having to stop the production on the automatic machine.
Same software as on 972 and 329.
- Automatic version: in this configuration the 902 is equipped with loading and unloading arms.



Auxiliary equipments >>>

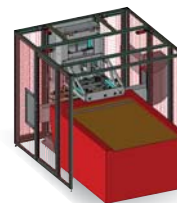
Stacker for article transfer to oven or lehr.
High temperature lehr for enamel (650°C).
Low temperature oven (200 ~ 250°C) for traditional (solvent based) ink.



High temperature lehr



Low temperature dryer



Stacker STK04



Stacker STK03

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ABOVE SPECIFICATIONS ARE JUST INFORMATIVE AND CAN CHANGE WITHOUT NOTICE.

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