

MACHINE 329

Primary source for glass
decoration of cosmetic containers

CONCEPT 329



machines
DUBUIT

Day after day the Screen-Printing technology on glass containers requires more and more capacities to meet the demand to decorate complex shapes with elaborated artworks. Besides shorter production runs require optimization of production processes and costs.

MACHINES DUBUIT understands these requirements from the market and has included these data to offer you a product meeting the demand.

The 329 CONCEPT meets your current expectations

The **CONCEPT 329** fully servo-driven allows screen printing on any developable shape existing on the market today, these include but are not limited to : Cylinders, Ovals, Polygons & Flat.

Conceived to give an optimum flexibility, the printing head **allows to print indifferently across** (transverse) **or bottom to top** (longitudinal) of the object to fit to the decor or to the form of the bottle.

Exclusive, the DUBUIT 329 allows, with longitudinal attachment, to vary the squeegee pressure during the printing cycle to follow a slightly concave shape.

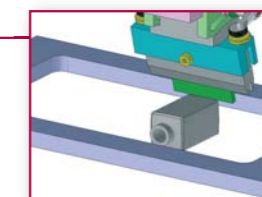


Quality of the decor

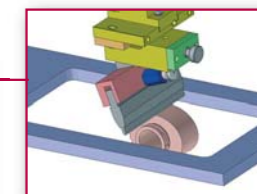
Perfect precision between colors : the object is not released between 2 colors.
Absence of vibration by a specific architecture.
Movements controlled by **servo-driven technology**.
Direct transmission of movements by ball screw bearings.
Absence of vertical screen movement.

Flexibility

Transverse and longitudinal printing (lengthwise of the object).
Specific application : decor on slightly flat concave shape.
Printing with enamels, with organic inks : solvent based or UV
(6 stations model for UV).



Longitudinal printing



Perpendicular printing



Parameters back-up

High output

Loading, registration, cleaning, UV drying and unloading, are simultaneously performed during printing cycle.
Servo driven technology enables anticipation of axis movements and therefore allows a greater optimisation

Reduced changeover duration

Limitless storing of object programs.
Full definition of parameter via touch screen.
User-friendly interface (windows environment).
Memory storage of all production parameter.
SMED (Single Minute Exchange Device) for rapid chuck change-over without tools by cone.
Assisted programming : system of virtual animation via touch screen interface reproducing kinematics object/screen/squeegee of bottles of complex shapes.



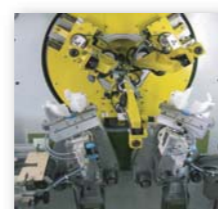
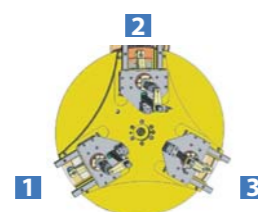
SMED

2 POSSIBLE LAYOUT

3 stations version

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

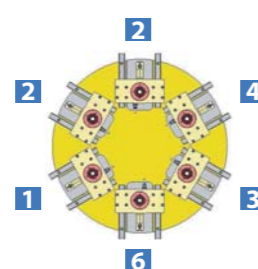
options : registration mechanical on the bottom or optical sensor.



6 stations version

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

options : registration mechanical on the bottom or optical sensor.



Printing 1 or 2 sides or all around on complex shapes



- User friendly touch screen interface.
- More than 13 large groups of **pre programmed** shapes simplifying the definition of objects parameters.
- Possibility of loading object design in DXF format.
- Coded colors giving a better readability.

- Unlimited data storage.
- Remote maintenance.

Technical data

Dimensions of objects : Any shape fitting in a 80mm diameter with a max height of 200mm.
For larger sized items, please consult us.

Production output : up to 4000 objects/h (for cylindrical objects).

Overall machine dimensions :

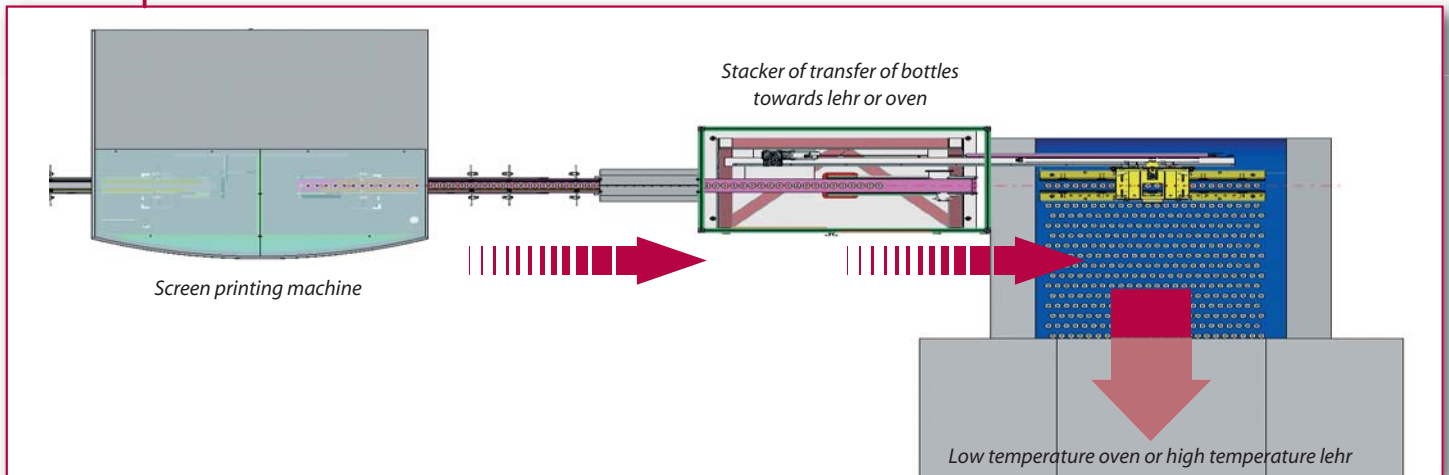
- L : 2020 mm
- W : 2230 mm
- H : 2380 mm

Weight : 2800 kg

Equipment : SIEMENS for all servomotors and control interface.

FOR A TURNKEY PROJECT SOLUTION...

MACHINES DUBUIT can offer a complete proposal including (programmable) stacker to transfer objects towards dryers for organic inks or lehr for enamels.



Low temperature oven for traditional (solvent based) ink (250°C)

30 years of know-how in manufacture and conception of lehrs and ovens are at your disposal for a turnkey solution.



High temperature lehr for enamels (650°C)

Specialist Manufacturer of printing machines on objects since **1932**

Over **25 000** machines sold worldwide

More than **15** years of experience in numerical technology

More than **200** technical innovations patented to date

ABOVE SPECIFICATIONS ARE JUST INFORMATIVE AND CAN CHANGE WITHOUT NOTICE.

G R O U P E
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