

MACHINE 329

Primary source for plastic decoration
of cosmetic containers



CONCEPT 329

360°

360°

360°

360°

360°

360°

360°

machines
DUBUIT

Day after day the Screen-Printing technology on plastic 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.

The machine 329 is suitable up to 2 colors in UV with high precision between colors.



Quality of the decor

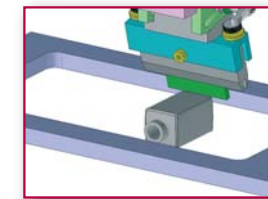
Perfect precision between colors: the object is not released between 2 colors printing cycle.
Absence of vibration by a specific architecture.
Movements controlled by **servo-driven technology**.
Direct transmission of movements by ball screw bearings.
No vertical motion of the screen during printing cycle ensures highest quality printing.

Flexibility

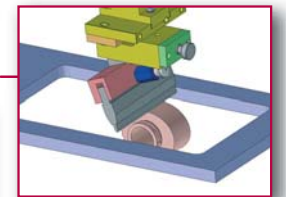
Transverse and longitudinal printing (lengthwise of the object).
Printing up to 2 colors with UV inks.
Advanced numerical controls of the flame treatment meeting to the specificity of every type of bottle (form and material).



Parameters back-up



Longitudinal printing



Perpendicular printing

High output

Orientation, registration, cleaning, loading, flame treatment, 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.

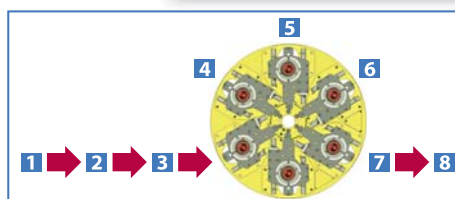


SMED

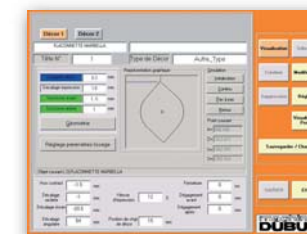
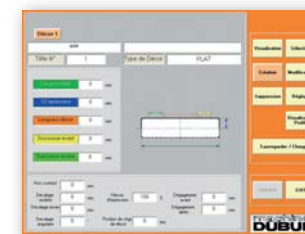
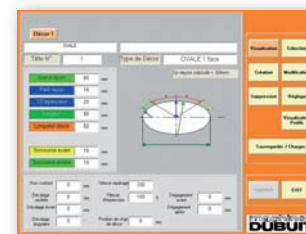
MACHINE FUNCTIONALITY

- 1 Orientation
- 2 Mechanical Registration/ Dedusting
- 3 Loading on turret
- 4 Flame treatment
- 5 Printing (1 - 2 colors)
In 2 color mode bottles accomplish 2 turret revolutions. Optical registration option.
- 6 UV Drying
- 7 Unloading
- 8 Module of quality control by camera (option)

Option: module of vision for quality control by linear and/or matrix camera (cf. back)



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 shapes 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: 2340 mm
- W: 2230 mm
- H: 2500 mm

Weight: ± 3200 kg

Equipment: SIEMENS for all servomotors and control interface.

machines
DUBUIT

Autonomous vision control
Automatic control of the quality of containers printing

Inspection
Quality Module
I.Q.M

The vision module **DUBUIT I.Q.M.** has been developed for decorators of plastic bottles who do not intend to manually control bottles one after another. I.Q.M. guarantees a finished product the upper quality and eradicates costs linked to waste (lost products, working force, etc...)

Stand-alone system

Can be installed downstream from any existing machine.

Polyvalent

For cylindrical objects and/or every other shape (linear and/or matrix camera).

Mobile Unit

Such module can be easily moved from one machine to another according to needs.

Ergonomic

Very good accessibility for quick change of production.



Printing machine

Dubuit I.Q.M - Inspection Quality Module

Mechanical output:	up to 5000 cycles/h.
Output:	depends on dimension of the decor and definition of parameters entered by the operator.
Weight:	980 kg.
Dimensions (L x W x H):	1700 x 1300 x 2100 mm.

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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www.machinesdubuit.com

MACHINES DUBUIT 10 RUE DU BALLON - Z.I. LES RICHARDETS - B.P. 20 - 93161 NOISY LE GRAND CEDEX - FRANCE - Tel. : 33 (0) 1 48 15 81 00 - Fax : 33 (0) 1 45 92 89 80

DUBUIT DO BRASIL AV. AMANCIO GAIOLLI 825 - BONSUCESSO - 07250-190 GUARULHOS SP - BRAZIL - Tel. : (55) 11 6480-4699

DUBUIT OF AMERICA 70 MONACO DRIVE IL.60172 ROSELLE - USA - Tel. : (1) 630 894 95 00

DUBUIT FAR EAST N° 11/34 MOO 6, KLONG 3 - KLONG LUANG, PATHUMTHANI 12120 - THAILAND - Tel. : (66) 2-524 0929