

AUTOMATIC SCREEN PRINTING MACHINE – TYPE CS-2
FOR
CYLINDRICAL CONTAINER

GENERAL OVERVIEW

The machine CS-2 is a revolutionary new printing machine from DUBUIT, specially designed for cylindrical container. This Machine is fast, economical and really easy to maintain.

It is a vertical carousel machine equipped with 9 mandrel. Thanks to its property, the change of tooling is fast and very economical. Also, the machine footprint is small

It uses the UV printing technology for a quick drying, strong colours result and a sharp printing process. In option it can be equipped with LED.

The machine CS-2 is driven by servo motor, insuring a consistent and precise print quality over the machine's lifetime. It is really easy to setup, adjust and maintain; this machine is designed to allow access to all working components without removing panels or doors.

The machine CS-2 return on investments is fast due to its low cost, high efficiency and easy maintenance.



STRUCTURE

The machine CS-2 is a compact and high output automatic screen-printing machine.

The In-feed is equipped with a conveyor with infinite variable speed AC motor drive. This type of in-feed conveyor can be coupled with an unscrambler (in option).

Depending on the object, the feeding of the machine can be made from a conveyor, or on a ramp. The object will then be place on a mandrel or on a chuck.

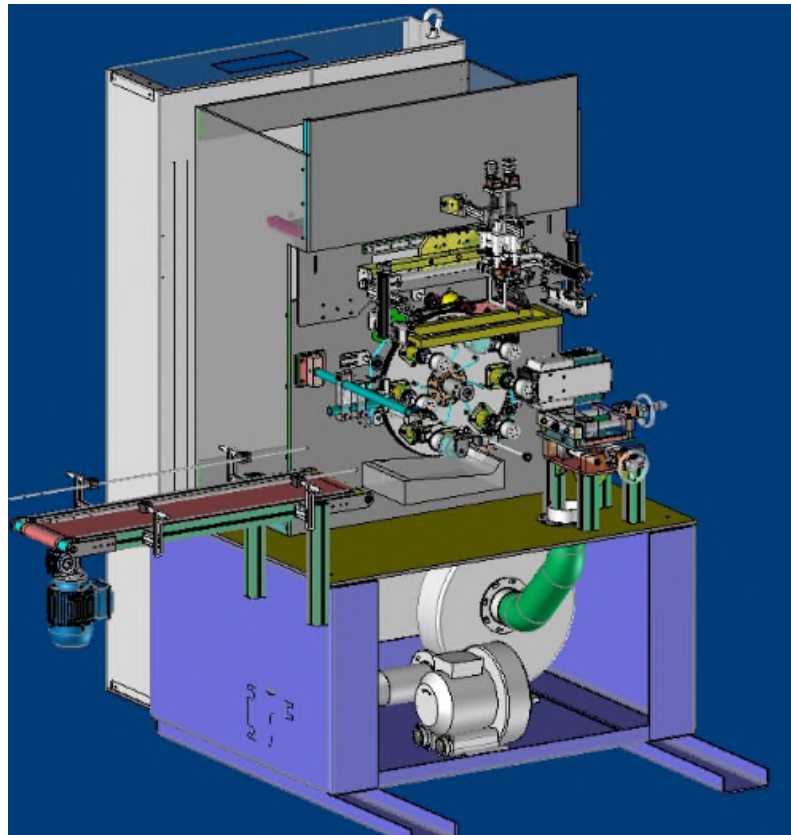


Photo non contractual

Flame treating station or antistatic can be installed on the second position.

The triple row high intensity burner is equipped with electronic spark ignition.

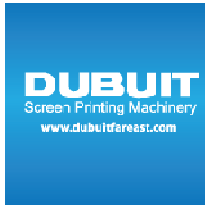
On the flame treatment station the object rotates under the flame to ensure perfect treatment of the object.

The unloading of the object is made at the last station. Air is blow through the mandrel, or object is simply released from Chuck and counterpoint. In both scenarios, the object will fall on a ramp or be placed on a conveyor.

TECHNICAL FEATURES

Machine:

Length: 1.6M
Depth: 1.8M
Height: 1,95M



Object

The machine is designed for cylindrical objects.

Diameter:	Ø 10mm to 85mm
Min. Height	20 mm
Max. Height	120 mm
<i>(Other size to be discussed)</i>	
Maximum Printing stroke	270 mm

Please check with us for other dimensions than above.

Output

Max. Mechanical speed: up to 4,000 Pcs/hours (1 color)
This will depend on object, ink, artwork.....

Electrical Power:

Print Modul: 5 kW/H

Air:

Main Pressure :	6 bars
Print Module :	3 NM ³
Burner :	5 to 12 NM ³ /H per burner

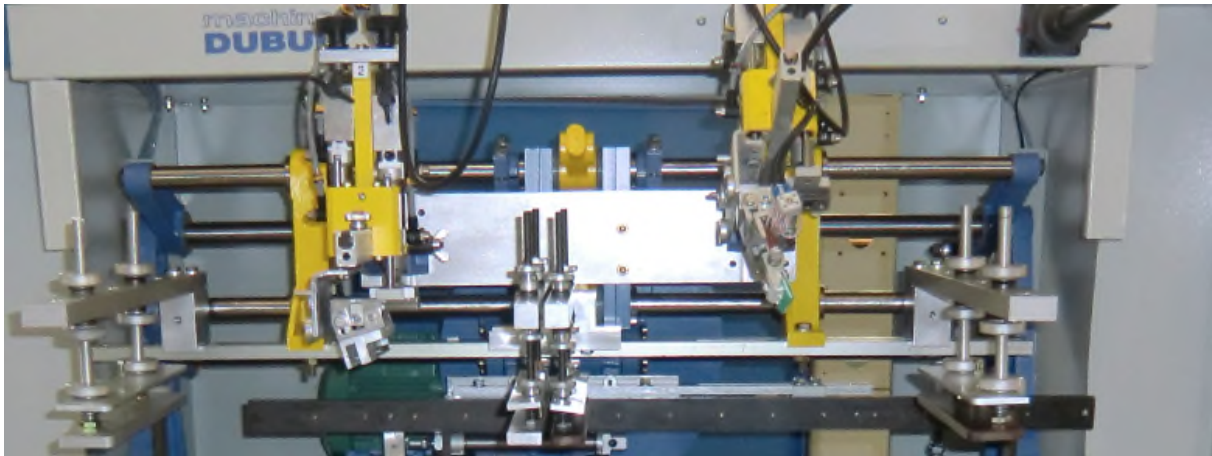
Gas consumption:

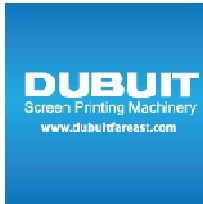
burner 0,4 to 1,0 NM³ per

After printing of the first color, both the screen and the squeegee head will move aside, and the second printing head will be placed on top of the object to print the second color. This is possible as the 2 colors are not on the same position on the object.

Another servo motor will be used for the left right movement of the 2 printing heads. The screen movement is already powered by servomotor.

Good position of the object on second color will be achieved thanks to the servo motor used to rotate object during printing.





PRICE QUOTATION - Machine CS-2 – ecf-service

Automatic screen printing Machine for plastic container equipped with:

Universal Highspeed Automatic screen-printing machine for cylindrical containers equipped with:

- Automatic infeed from a conveyor with pick and place
- Flame treatment, with flame control
- No object no print device at print station
- Double printing head, to print 2 color, with movement of screen holder controlled by servo
- VPN for remote control
- Main movement of main plate by servo motor
- Spinning of object by servomotor
- Left-right screen movement by servo
- Left right movement of squeegee head by servomotor
- Cylindrical printing head
- Registration under printing by depth sensor or other depending on object
- Fully guarded UV rays shielded
- UV treatment 4 inches long, controlled by electronic ballast to adjust UV power from 30% to 100%, or LED UV 80 cm long, 12W/cm²
- Outfeed conveyor with pick and place
- PLC controlled through touched screen with extended functionality and settings like squeegee precise settings, object counter, stroke, speed, troubleshooting guide and recipe saved in HMI....
- All PLC and servo motor are from Schneider electrics.