



Logica Cartesio  
PrintingCenter S

# LOGICA CARTESIO PrintingCenter S - M-MK2 - L

**Numerically controlled pad printing center. Extremely high operational flexibility for high quality. Extremely high quality multi-colours printing on sophisticated 3D objects.**

## TECHNICAL FEATURES

LOGICA CARTESIO PRINTINGCENTER allow the most complex decoration of 3D large sized objects with multiple prints on its entire surface.

LOGICA CARTESIO PRINTINGCENTER is available in three different sizes: S (small), M-MK2 (medium) and L (large).

With LOGICA CARTESIO PRINTINGCENTER TOSH reaches the maximum operational flexibility.

All mechanical movements are motorized via numerical control and guarantee high precision, providing complete flexibility of operation and simplicity without compromise.

LOGICA CARTESIO PRINTINGCENTER is available with 5 or 6 numerically controlled axis (on demand). There are 4 axis to move the pads and 1 or 2 axis to move the object, plus an extra axis to aid in the loading/unloading operation.

Object loading/unloading may be done manually with the operator or automatically with a robot/manipulator, in this last case it is possible to have in line an automatic vision system to check the printing quality (optional).

An exclusive feature of LOGICA CARTESIO PRINTINGCENTER is to have all the pads radially disposed on a drum. The initial positioning of the pads is not critical because it is possible through the standard software to freely position the pads in relation to the clichés and the object. Moreover, for the same reason image lay-out on the clichés is non-critical and highly flexible.

LOGICA CARTESIO PRINTINGCENTER comes equipped



with an interchangeable plate for cliché support where it is possible to mix with high freedom large and small clichés (and large and small ink cups).

On the 12 spokes of the pad drum it is possible to place the pads naturally in different sizes in relation to the requested artwork. Each spoke can accept more than one pad.

Programming the printing cycle is extremely easy and doesn't require highly qualified operator because every single axis can be moved also in manual mode, automatically memorizing the positioning both for pads and object.

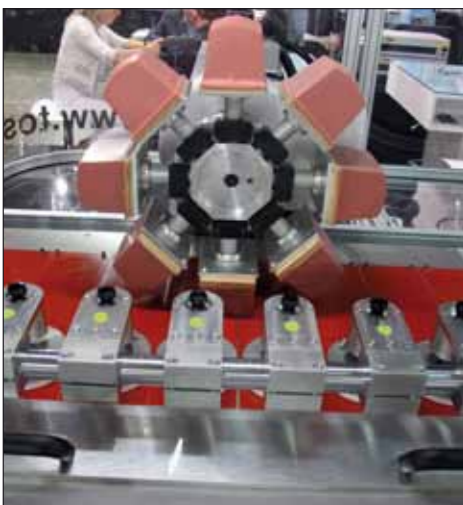
Operator interface is a large colour LCD touch screen panel.

Maximum quality components, chosen from primary worldwide manufacturers are guaranteed in the construction of the machine.



Progettata e costruita nel rispetto delle normative europee macchine

(\* ) la velocità di stampa sopra riportata è la massima raggiungibile, diminuirà aumentando le corse verticali dei tamponi ed inserendo tempi di attesa nel ciclo. I sistemi di convogliamento pezzi influiscono anche loro sulla massima velocità di stampa.



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LOGICA CARTESIO PRINTINGCENTER size M-MK" and L are equipped on the two main axis with high speed, latest technology, linear motors.

The machine is normally available with hermetic ink cups but on request it can be equipped with traditional open ink blading system.

Production changeover on LOGICA CARTESIO PRINTINGCENTER is extremely fast (only a few minutes for 15 pads and 10 colours) thanks to the possibility to interchange the complete pad drum and the complete cliché support plate (including ink cups) with others already prepared and recalling a pre-memorized program.

LOGICA CARTESIO PRINTINGCENTER output depends on the number of prints on the object. Typically it can range from 150 pieces/hour for 15-20 prints around the object up to 500 pieces/hour for more simple decoration lay out.

LOGICA CARTESIO PRINTINGCENTER can be supplied also in a mirrored version so placing two machines side by side they can be managed by a single operator.

LOGICA CARTESIO PRINTINGCENTER is equipped with an automatic pad cleaning device and hot air pads pre-drying device with built-in pump.

LOGICA CARTESIO PRINTINGCENTER can be equipped (optional) with an air treatment device to maintain constant settable temperature inside the plant, this system also provide antibacterial air filtration to avoid dust inside the machine.

LOGICA CARTESIO PRINTINGCENTER is an environmentally friendly machine especially when equipped with hermetic ink cups as there is almost no solvent evaporation.

### TECHNICAL DATA

	CARTESIO S	CARTESIO M	CARTESIO L
PRINTING FORCE (N)	3500	5000	15000
WEIGHT (Kg)	2700	3500	5500
ELECTRIC POWER SUPPLY	ON REQUEST	ON REQUEST	ON REQUEST
MAIN AIR PRESSURE (bar)	6	6	6
NUMBER OF PADS	8x4	12X4	12X4

### TECHNICAL SIZE (mm)

DIMENSIONS	MODEL	CARTESIO S	CARTESIO M	CARTESIO L
A		2570	2890	3780
B		2100	2205	2380
C		2585	2680	2920
D		2250	2500	2800
E		2000	2150	2400
F		250	350	400
G		280	280	335
H		350	500	700
I		2570	2890	3780
L		450	350	430
M		1640	2000	2690
N		300	350	430
O		2250	2500	2800
P		250	350	400
Q		2000	2150	2400
R		2570	2890	3780
S		1020	1170	1600
T		580	670	800

