

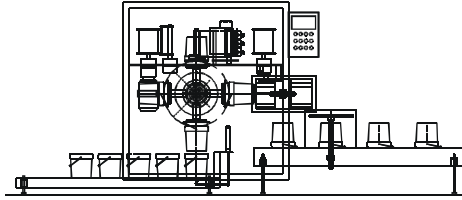
APPLITRON 1000

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***APPLITRON 1000***  
***TRANSFER MACHINE***  
***FOR "HEAT DIGITAL TRANSFER" SYSTEM***



41100 MODENA ( ITALY ) - VIA REPUBBLICA DI S. MARINO, 35-33  
Tel. +39 059 450830 – Fax. +39 059 450839  
Sito web: [www.gmcprinting.com](http://www.gmcprinting.com) e-mail: [info@gmcprinting.com](mailto:info@gmcprinting.com)  
C.C.I.A.A. 176904 - REG. DITTE 17690481- C.F.- P.I 00677040362



## APPLITRON 1000

### TRANSFER MACHINE FOR TRUNCATED CONE OR CYLINDRICAL PLASTIC CONTAINERS HEAT DIGITAL TRANSFER SYSTEM

This is one possibility of "HDT" HEAT G.M.C. DIGITAL TRASFER, patented either for method and for device.

**APPLITRON 1000** transfers digital images printed by DIGITRON printers from siliconised paper coil to plastic containers of PP, PE, HDPE from 1lt to 20lt. This is a high speed machine, suitable for big production, with high mechanical precision. To obtain precision and speed either conveyor system and transfer system are INDEXED, while the piece's processing is made by a multi-mandrel group and a rotating table.

The working cycle is fully automatic and controlled by PLC. It consists of the following steps:

- Automatic loading of pieces;
- Thermal treatment of pieces in the pre-printing station;
- Image's Transfer in the printing station;
- Thermal treatment of pieces in the post-printing station;
- Positioning of containers onto the discharge line.

To increase the speed of the system the conveyance lines are made with INDEXED chain.

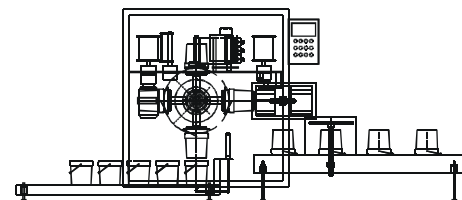
The mandrels are inserted with quick mechanical coupling at the rotatine table to allow their replacement during the change format. Precision, accuracy and experience in manufacturing the details allow to reach a high number of cycle per minute with fast motions without any vibration to obtain the maximum precision in the decoration of containers.

Dry termoplastic ink have showed good seal toward UV sun rays and temperature from 0°C to 150°C for many years. It's therfore available an auxiliary equipment in case the colours must be more glossy than usually they are this is a lacquering unit ([LACQUER UV](#)).

Lacquering process takes place at high speed so to don't slow down the production process and the cost is extremely low because the varnishes have low cost so that it not modifies the final cost of product.

This construction is extremely engineerized.

The working cycle is electronically controlled, the operator has to modify the working parametrs that are displayed and selctable onto TOUCH SCREEN display.



## APPLITRON 1000

### TRANSFER MACHINE FOR TRUNCATED CONE OR CILINDRICAL PLASTIC CONTAINERS Heat Digital Transfer SYSTEM

<b>Transfer speed</b>	Max. 1.300 cy/h
<b>Material</b>	Plastic: PE-HDPE-PE
<b>GEOMETRY</b>	TRUNCATED-CONE with or without handle
<b>CAPACITY</b>	1lt-18lt
<b>DIMENTIONS</b>	DIAMETER min100mm DIAMETER max 285mm HEIGHT min130mm HEIGHT max 360mm Taper degree 0° - 4°
<b>Control</b>	Electronic by PLC
<b>Mechanical motion</b>	Indexed by rotatine table
<b>Environment temperature</b>	Min 15°C- Max 34°C
<b>Container's Temperature</b>	Min 15°C
<b>Noise</b>	40db
<b>Electric input</b>	220/240V- 380/440V 50/60hz 3 phases + neutral
<b>Pneumatic input</b>	6atm no-water, no-oil, 300nl/min
<b>Applitron Dimensions</b>	2.400mm(L)x 1.400mm(W)x2.100mm(H)
<b>Weight</b>	kg 1.000

