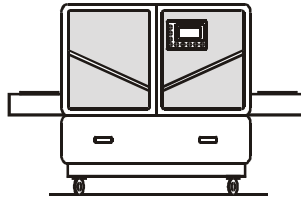


KERATRON 171

***KERATRON 171
TRANSFER MACHINE
"HEAT DIGITAL TRANSFER" SYSTEM
ONTO CERAMIC***



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KERATRON 171

HDT HEAT DIGITAL TRANSFER ONTO CERAMIC

KERATRON equipment was developed for the application of film, printed with DIGITRON technology, for the specific field of flat ceramic. KERATRON is the natural development of the existing machines DISCOTRON that is used on multimedia articles such as CD, DVD or CDR and APPLITRON for non flat surface. In this case, the KERATRON technology is focused on the ceramic tile sector. KERATRON is equipped with a specific system able to manage and transfer the image on each single tile in a way that solves the existing problem on the typical printing method, in particular:



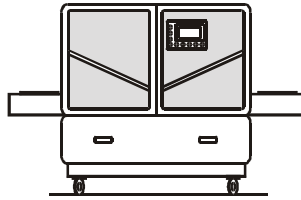
- Print on demand with dry ink with high pigmentation;
- Position accuracy;
- High definition 600X600 DPI;
- Stock reduction;
- Low operational cost
- Printing quality independent from the operator

This machine only transfers digital images so that the operator has to run only very simple operations in fact it has only to load the pre-printed coils in the suitable un-winder coil-holder, to make the paper into the transfer area, to lock the paper at the re-winder and without mechanical, electric or electronic regulation run the automatic cycle.

At the exit of KERATRON the tiles need for a thermal treatment inside the traditional kiln to fix and finish the colours.

Heat Digital Transfer system onto ceramic offers to the users the peculiarity to **doesn't require image's quality control during the transfer**, because this control has been done downstream: when the coil is printed by DIGITRON. The transfer is an autonomous and independent process, it depends from low physical variables such as: temperature and pressure so it needs for low controls that are all visible onto the colour display of the operator-process interface.

By the arrangement of the **ancient ceramic decorating art** with the **innovative digital printing** made with DRY INK, now the tiles can be true modern works of art, decorative like classic and elaborate examples. Creativity can be expressed with special colours instead of the ink and the decorating taste can show author's pictorial spirit.

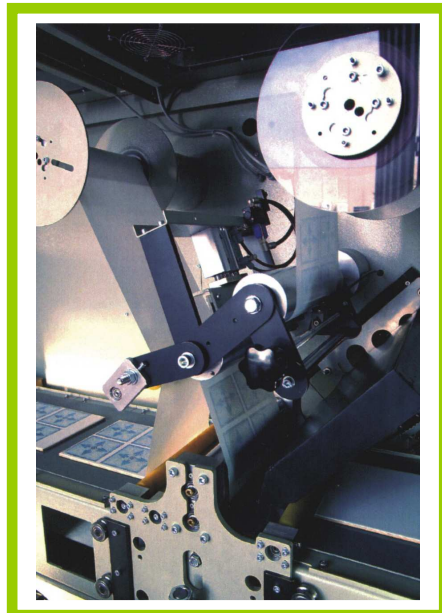


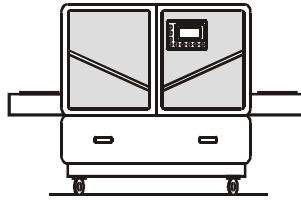
KERATRON 171

TECHNICAL CHARACTERISTICS

TRANSFER FILM	Bi-siliconised paper film 80gr/m ²
INK TYPE	Ceramic Toner 5 micron
PRINT SIZE	Up to 310mm large Up to 450mm length
THICKNESS HANDLE	From 3 to 30mm
TRANSFER SPEED OF PRINTING	Up to 40mt/minute MAXIMUM
PRINTING AUTONOMY	Up to 1.500mt (single coil)
COIL CHANGE TIME	Around 1 minute
WAITING TIME FOR STRAT UP	5 minute
TIME FOR PRINTING	30sec
MINIMUM QUANTITY	1 piece
ELETCRICAL POWER	380-460V three phase+neutral+ground
PNEUMATIC FEEDING	Min. 6atm; max 10atm
DIMENSION	2,4mt large- 1,3mt depth- 1,8mt heigh
WEIGHT	850 kg

INDICATIVE DATA AND SUBJECTED TO ADJUSTMENT





KERATRON 171

