



KT SERIES PRINTERS

KT series large character inkjet printing systems





LATERAL APPLICATION WITH KT7 HEAD



OBLIQUE APPLICATION WITH KT7 HEAD



LATERAL APPLICATION WITH TWO KT7 HEADS



PLASTIC BUCKET



PLASTIC TANK

KT SERIES INKJET PRINTING SYSTEMS

The KT series large character inkjet printing systems allow any type of packaging or moving object to be marked with alphanumeric characters.

These systems use 7-dot (KT7) or 16-dot (KT16) print heads, and nominal character height ranges from a minimum of 12.6 mm to a maximum of 75 mm.

Additionally, you can progressively incline the print head to find the reduced character height you prefer up to approximately 50% of the nominal value, but only using the STP 700 model programming consul.

Reliable and versatile, thanks to the use of highly efficient solenoids and technology DOD (drop on demand); they represent the ideal solution to satisfy a wide range of printing needs.

1 to 4 heads with 7 dots can be managed or 2 heads with 16 dots; a combination of 1 or 2 heads with 7 dot and 1 head with 16 dots can even be used at the same time.

Due to its compact dimensions and universal installation

position, it easily integrates into any type of production line or system to print texts, lots, the time and date.

The wide range of inks available allow for application on any type of surface, such as: absorbent paperboard, wood, glossy paperboard, glass, metals, plastic materials, polystyrene, ceramic, brick, natural stones and more.

Control panels are simple and intuitive, allowing operators to attain complete mastery of the KT series printing systems in just a short time.

In the event that only a marking device is requested (and not a printing device), a single dot head is used (KT1 monojet); the main application of this device is attributing the respective grade to ceramic tiles and natural stones using the print of different sequences of programmable spaced dots.

Every different sequence of dots is paired to an individual selection grade.

APPLICATION EXAMPLES



GLOSSY PAPER BAG



ABRASIVE FOR TILES



BOX OF TILES



POLYSTYRENE TRAY



PRINT CYRILLIC CHARACTERS (ONLY WITH CONTROL PANEL MODEL STP 700)



ZINC-PLATED STEEL PROFILE



LATERAL APPLICATION WITH KT16 HEAD



LATERAL AND VERTICAL APPLICATION WITH TWO KT7 HEADS



PLASTIC TUBES



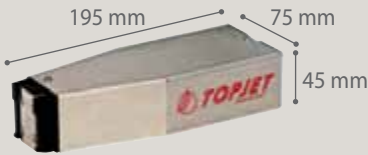
LATERAL APPLICATION WITH INCLINED KT7 HEAD TO REDUCE CHARACTER HEIGHT



TILE MARKING

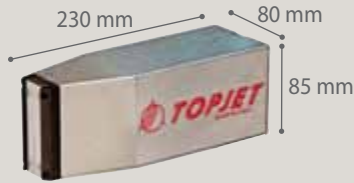


PRINT HEADS



7-DOT PRINT HEAD MODEL KT7

- 1 line of print
- Nominal character heights available (referring to a 7x5 matrix): 12 mm, 16 mm and 20 mm.
- Character matrices available: 5x5 or 7x5 dots (a combination of different matrices is also possible)



16-DOT PRINT HEAD MODEL KT16

- 1 or 2 lines of print
- Nominal character heights available (referring to a 16x10 matrix): 32 mm, 40 mm, 60 mm and 75 mm.
- Character matrices available: 5x5 dots, 7x5 dots, 9x7 dots and 16x10 dots (a combination of different matrices is also possible).



MARKING HEAD WITH A SINGLE DOT (MONOJET) MODEL KT1

- 1 line of print
- Nominal character heights available (referring to a 16x10 matrix): 32 mm, 40 mm, 60 mm and 75 mm.
- Character matrices available: 5x5 dots, 7x5 dots, 9x7 dots and 16x10 dots (a combination of different matrices is also possible).

COMMON TECHNICAL FEATURES

- DOD (drop on demand) inkjet technology using valves controlled by highly efficient solenoids.
- Print speed: 50 metres a minute.
- You can progressively incline the print head to reduced character height up to approximately 50% of the nominal value, a feature exclusive to the control panel model STP 700.
- Distance between head and product to be printed: up to 30 mm.
- It can be installed in any position.
- 1,350 litre ink tank made of stainless steel, complete with filter.
- Air pressure regulator 0-1 bar with manometer.
- Ink available with the following bases: water, ethanol, mek (methyl ethyl ketone).
- Compressed air supply for ink tank: minimum pressure 1 bar and maximum 8 bar.

OPTIONAL ACCESSORIES



PEDESTAL FOR THE PRINT HEAD, TANK AND CONSOLE



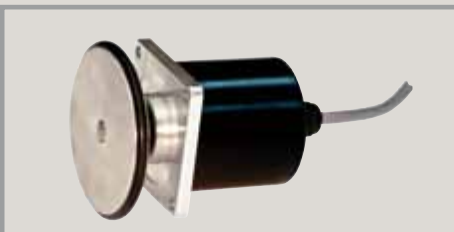
6.5 LITRE INK TANK MADE OF STAINLESS STEEL



DIFFUSING DEVICE FOR PRODUCTS WITH AN IRREGULAR WIDTH OR POSITION



PEDESTAL FOR ONLY THE TANK AND/OR CONSOLE



ENCODER TO MEASURE THE SPEED OF THE TRANSPORT SYSTEM



TANK WITH LOW INK DETECTION PROBE



2.5 LITRE INK TANK MADE OF PLASTIC, FOR WATER BASED INKS ONLY

CONTROL PANELS



CONTROL PANEL MODEL STP 600

TECHNICAL FEATURES STP 600

- Two-line backlit LCD display (60x15 mm) with membrane keyboard.
- Manage 2 heads with 7 dots or 1 head with 16 dots.
- Set dot dimensions using software.
- 240 message memory.
- Up to 100 characters per message.
- Bold with double dot (available only for 5x5 and 7x5 character matrices).
- Print in both gear directions.
- Automatic date stamp and log book.
- Manage lot no., shift and operator.
- Incremental/decremental counters.
- Repeating message.
- Print upside-down.
- Input to manage BCD binary codes.
- Set independent print speed and time delay for each head.
- Manage optional encoder for an irregular progress speed of the product.
- The inclination of the print head cannot be controlled.
- Software available in the following languages: Italian, English, French, German, Spanish and Portuguese.
- RS 232 serial communication port to connect with an external device (e.g. personal computer).
- Work environment: temperature from 5°C up to 45°C, humidity 0-90% (without condensation).
- Supply voltage: 230 V single-phase, 50-60 Hz (others on request).



CONTROL PANEL MODEL STP 700

TECHNICAL FEATURES STP 700

- Backlit LCD graphic display (60x35 mm) with membrane keyboard.
- Manage 4 heads with 7 dots or 2 heads with 16 dots; a combination of 1 or 2 heads with 7 dot and 1 head with 16 dots can even be used at the same time.
- Set dot dimensions using software.
- 256 message memory.
- Up to 125 characters per message.
- Bold with double dot (available only for 5x5 and 7x5 character matrices).
- Print in both gear directions.
- Automatic date stamp and log book.
- Manage lot no., shift and operator.
- Incremental/decremental counters.
- Repeating message.
- Print upside-down.
- Input to manage BCD binary codes.
- Set independent print message, variable field and parameters for each head.
- Manage optional encoder for an irregular progress speed of the product.
- Manage the inclination of the print head.
- Possibility to print Cyrillic characters.
- Possibility to print numbers only in Latin, Arabic or Farsi (Persian).
- Optional possibility to create and to program up to no. 99 customized logos via personal computer.
- Software available in the following languages: Italian, English, French, German, Spanish, Portuguese, Russian, Polish and Turkish.
- RS 232 and RS 485 serial communication ports to connect with an external device (e.g. personal computer).
- Work environment: temperature from 5°C up to 45°C, humidity 0-90% (without condensation).
- Supply voltage: 230 V single-phase, 50-60 Hz (others on request).



Via Enrico Mattei, 2 - 41042 Fiorano Modenese (MO) - Italy
Tel. +39 0536 815932 - Fax +39 0536 815936
www.topjet.it - info@topjet.it