## Technical data

| | |
|---|---|
| Dimensions : | 15.75" x 19.68" x 21.65" (400 mm x 500 mm x 550 mm) (l x w x h) |
| Weight : | approx. 45 kg |
| Housing : | stainless steel |
| Printing system : | continuous ink jet system consisting of control unit and printing unit. |
| Ink system : | 500 ml storage bottle. Easy to refill. No air pressure necessary. |
| Ink types : | wide range of inks available, depending on product material and application. |
| Working conditions : | temperature +10 °C up to +35 °C, relative humidity max. 90%, non-condensing. |
| Operation : | simple operation via an external terminal. Graphical user-interface (WYSIWYG). Interface for integration into network of several machines. |
| Hardware features : | control unit and printing unit are independent of one another. Hence, further printing units can be controlled and synchronised by one single master unit. Peripheral equipment, e.g. xy-axes systems, image recognition control, separating devices or code reader are controlled and synchronised via a previously defined interface. |
| Texts : | automatic date, expiry date, Julian date, current numbering, time, shift identification, barcodes, data matrix, logos etc. |
| Error diagnosis : | automatic error diagnosis in full text display |
| Print speed : | up to 2,545 characters per second |
| Distance print head – item : | 0.039" – 0.79" (1 mm – 20 mm) |
| Print height : | 0.032" – 0.59" (0.8 mm – 15 mm) (up to 6 lines) |
| Print resolution : | 48 dots in vertical direction. Free choice of print matrix. Any matrix combination possible within one text. |
| Supply voltage : | 115 – 230 V AC ± 10%, 50/60 Hz, power consumption 1 A |
| Safety standard : | ink return control. Viscosity and ink level control. Remote monitoring of printing errors. Separate installation of electronics and ink sytem. Almost emission-free. Protection against ingress of liquids (housing) : IP54 |
| Standard equipment options : | coding in single line operation        coding in double line operation |

*Subject to technical modification*

# *alpha*JET*c4*
## *Ink Jet Printer*

You can use the ***alphaJETc4*** in multi-lane plant for application of different types of marking – all at the same time. Four printing heads can be used in single line operation or two printing heads in each line of a double line operation. The coding applications range from expiry dates, batch numbers, logos, bar codes (EAN, 2/5 i, Code 39 etc.) to data matrix codes, current numbering, production data like dates, time and shift identification etc..

### Special feature

The printing unit and the control unit of the ***alphaJETc4*** are independent of one another. Hence, further printing units can be controlled and synchronised by one single master unit. Peripheral equipment, e.g. xy-axes systems, image recognition control, separating devices or code reader are controlled and synchronised via a previously defined interface.

Flexible synchronous marking in multi-lane production lines using 4 printing heads

# *alpha*JET*c4*
## *Ink Jet Printer*



**Metronic®**
**Aktiengesellschaft**

*...the leading manufacturer of printing and coding systems*

11/02

# Flexible synchronous marking in up to 4 lanes with a single control module

# alphaJETc4
## Ink Jet Printer

The **alphaJETc4** is the logical onward development of the freely programable ink jet printer for industrial use. The functionality of the machine is based on the continuous jet principle. Its uses range from simple date printing, logos etc. through to complex applications in which the **alphaJETc4** is coupled with a PC, a bar code reader, image recognition equipment and a xy-axes system. Depending on the model, the **alphaJETc4** can be used simultaneously with up to 4 printing heads in different printing lines.

The **alphaJETc4** uses fast drying inks which guarantee optimum adhesion. The widest variety of materials can be printed with the **alphaJETc4**, e.g. webs, glass, metal, plastic, paper etc.. The recently optimized print heads enable integration at any position of the production line. Even on structured and uneven surfaces, the print image of 1 to 6 lines is of consistently high quality. In inline operation, the items to be coded are processed with a speed of up to 19.74 ft (6 m) per second.

*alphaJETc4: elegant design combined with high functionality*



*Synchronous individual marking with 4 alphaJETc4 printing heads in a multi-lane production plant*

## Great variety of inks

For the **alphaJETc4**, a great variety of inks is available. Due to their special properties and colors, the **alphaJETc4** is suitable for a wide range of applications. The customer not only has standard inks at his disposal, but also pigmented inks and special inks – such as petrol-resistant, non-fading or UV-readable inks, or inks suitable for the food processing industry. The special construction of the **alphaJETc4** allows the use of pigmented inks (e.g. white, yellow, blue etc.) for high-contrast and non-fade coding even on very special surfaces.

## Ease of operation

The machine is operated via an external terminal with a membrane pad which can be placed within easy reach of the operator in the workplace. Its graphical user-interface (WYSIWYG) is simple and clear. The machine can also be integrated into a network of several machines.

## Low cost operation

The **alphaJETc4** is extremely reliable and maintenance-friendly. Due to the solvent recovery system, which is included in the standard equipment, the solvent consumption is reduced to a minimum. The **alphaJETc4** is almost emission-free. Hence, the **alphaJETc4** comes off well especially when used in non-stop operation both from an economic and an ecological point of view.

## Customised applications

We are able to fulfil any individual request regarding the function or equipment of the **alphaJETc4** within a very short time. We will deliver the complete system as a package. Our development, manufacturing and product support teams are always at your disposal when you are faced with complex tasks.