

Non-contact coding with colored and pigmented inks

alphaJET_c

Ink Jet Printer

The **alphaJET_c** is a freely programmable ink jet printing system for the industry working on the continuous jet principle. The system allows for a wide range of applications. It is not only suitable for accomplishing rather simple tasks, e.g. printing of dates, but also for very complex applications. The **alphaJET_c** can be integrated into a network of PC, barcode reader, image analysis control and xy axes systems.

Depending on the model, the **alphaJET_c** can either be integrated with one single production line, or print completely different data simultaneously at each of two separate production lines.

The **alphaJET_c** uses fast drying inks which guarantee optimum adhesion. The widest variety of materials can be printed with the **alphaJET_c**, e.g. webs, glass, metal, plastic, paper, etc. The recently optimized print head enables integration at any position of the production line. Even on structured and uneven surfaces, the print image of 1 – 6 lines is of consistently high quality.

The range of application covers expiry dates, batch numbers, logos, barcodes (EAN, 2/5 i, Code 39 etc.), data matrix code, current numbering, production data like dates, time, shift identification etc. In inline operation, the items to be coded are processed with a speed of up to 6 m per second.

Special feature: The printing unit and the control unit of the **alphaJET_c** 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 analysis control, separating devices or code reader, is controlled and synchronised via a previously defined interface.



Reg. No. 5006-01

EONet



alphaJET_c: *Elegant design combined with high functionality*

Equipment suitable for all industries

The **alphaJET_c** is a very compact system with functional equipment. It corresponds to all current safety standards. The print head is easily accessible and quickly

integrated into any production line. The master unit can serve and synchronise several additional units or other peripheral equipment.



Examples: Complete solution for the coding of tyres; Data matrix code applied onto plug-type connectors

Great variety of inks

For the **alphaJET_c**, a great variety of inks is available. Due to their special properties and colors, the **alphaJET_c** 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 **alphaJET_c** allows for 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 **alphaJET_c** is controlled by means of an integrated terminal with membrane keyboard. The graphic interface is clearly laid out and very user-friendly. The unit disposes of an interface which enables the integration into a network of several machines.

Minimum operation costs

The **alphaJET_c** 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. Moreover, almost no emissions are set free. Hence, the **alphaJET_c** comes off well especially when used in non-stop operation – in economical as well as in ecological respect.

Customized applications

We are able to realize any individual request regarding the function or equipment of the **alphaJET_c** within very short time. The complete system integration is furnished by one single supplier. Our employees in the departments of development, manufacturing and product support are always at your disposal when it comes to fulfil complex tasks.

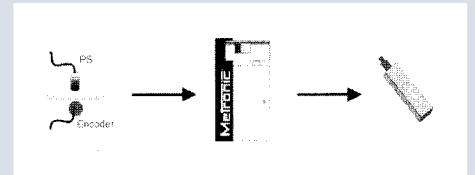
Technical Data

Dimensions:	Control unit: h 645 mm (incl. terminal) x w 295 mm x d 320 mm Print head: h 169 mm x w 40 mm x d 40 mm
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° up to + 35°C; Relative humidity max. 90 %, non-condensing
Operation:	Easy operator interface via integrated terminal; Graphic 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 analysis control, separating devices or code reader, is controlled and synchronised via a previously defined interface.
Software features:	Automatic date, expiry date, Julian date, current numbering, time, shift identification, barcodes, data matrix, logos, etc; Resolution: 48 dots in vertical direction; Free choice of print matrix; Any matrix combination possible within one text; Automatic error diagnosis in full text display.
Print speed:	Up to 2545 characters per second
Distance print head – item:	1 mm – 20 mm
Print height:	0.8 mm – 15 mm (up to 6 lines)
Safety standard:	Ink return control; Viscosity and ink level control; Remote monitoring of printing errors; Separate installation of electronics and ink system; Almost emission-free; Solvent recovery system; Protection type (housing) IP 54

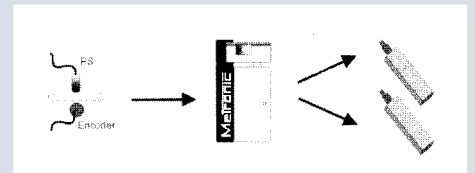
subject to technical modifications

alphaJET_c

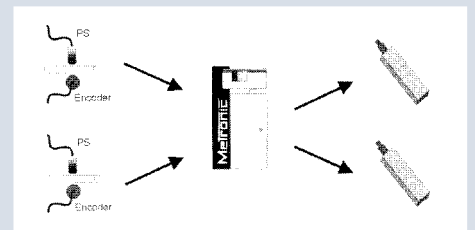
Standard equipment options



Standard equipment: **alphaJET_c** with one print head



Optional equipment 1: **alphaJET_c** with two print heads for one production line



Optional equipment 2: **alphaJET_c** with two print heads for two separate production lines

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