

Information Service 2/2008

Spray marking and coding systems

Continuous Ink Jet Printer for Small Characters

Small character printer Type 4032-F



To complement its Type ES7 and ES9 large character printers, which have been in service now for many years, Walther Pilot launched a small character printer for industrial applications in April 2008. Depending on the process, the printer can be used for non-contact marking of such materials as glass, metal, aluminium, plastic, ceramic, rubber, film, wood, cardboard and paper with letters, numbers, barcodes, logos or company trademarks. The WALTHER PILOT Ink Jet Printer is an ideal expansion to the product range of classic WALTHER PILOT spraying technology.

Technical data

The flexible application of this ink jet technology allows character sizes of 2 - 14 mm to be sprayed. With a vertical resolution of 32 dots (1-4 lines) and a printing speed of up to 210 m/min (single line), the Continuous Ink Jet Printer Type 4032-F is ideally suited for all kinds of industrial marking.

Advantages

- Extremely easy operation and text input via a touch panel ensure fast product marking, for example with a serial number, the date, the time or a freely programmable text.
- Even printing with a data matrix code, a barcode or a logo is absolutely no problem. The system also ensures trouble-free operation and highly contrasting printing when marking dark surfaces with pigmented ink.



'Dot on Demand' Large Character Printer

WALTHER PILOT DOD Basic Printer



The large character printer WALTHER PILOT DOD Basic Printer is a flexible and low-cost solution for different product surfaces. The printer is used for the continuous marking of wood, chipboard, cardboard, paper and plastic sacks, concrete blocks, textiles and foils. It is particularly suitable for use in difficult, dusty or dirty production environments.

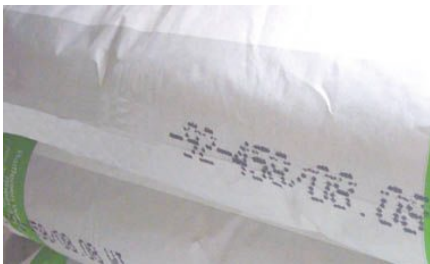
Technical data



The WALTHER PILOT DOD Basic Printer consists of a control unit, a printing head and a material circulation system with an ink bottle. All standard inks (water-, alcohol- or solvent-based) can be used. The system operates reliably even in rough working conditions, as it is protected against dust and spray water according to IP54. Markings can be applied as single-dot or double-dot markings.

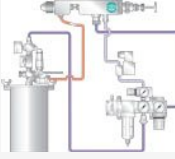




Advantages

- Problem-free marking on uneven and porous surfaces.
- Clear dot resolution and therefore good legibility even from a greater distance. Character sizes between 15 and 100 mm are possible.
- Printing speed: max. 60 m/min.
- Variable distance between the printing head and the object (1-20 mm)
- Easy to operate



WALTHER PILOT Marking and Coding Systems at a Glance

Marking Systems for Non-Contact Marking

Printing system	Single system pneumatic	PILOT Block pneumatic	PILOT Block electromagnetic	DOD large character matrix	Continuous InkJet small character matrix
					
Printing height	3 – 30 mm	40 – 200 mm	40 – 200 mm	15 – 100 mm	2 – 14 mm
Printing speed	up to 180 m/min	up to 54 m/min	up to 78 m/min	up to 60 m/min	up to 210 m/min
Surface to be marked	porous and non-porous	porous and non-porous	porous and non-porous	porous and non-porous	porous and non-porous
Barcodes and data matrix	no	no	no	no	yes
Logos	no	no	no	yes	yes
Typical applications	Quality assurance, component marking, assembly aid	Steel plates, containers	Steel plates, containers	Concrete blocks, textiles, wood, chipboard, foils	Cans, bottles, foils, metals, plastics
Typical industries	Beverages, food, electronics, automotive	Steel, pipe and metal processing industries	Steel, pipe and metal processing industries	Building materials, textiles, food	Beverages, food, electronics, automotive

Paints, Inks and Cleaning Agents



Consumable materials are also available from us. We will be happy to advise you.