



PRINTING TECHNOLOGIES
ENGINEERED IN GERMANY



**Printing Solutions for
the Mailing Room**

**FAST AND RELIABLE -
SUPERIOR
PERFORMANCE**

Your Microplex partner:

EMEA
APAC
MICROPLEX PRINTWARE AG
Panzerstraße 5, 26316 Varel
Phone: +49 4451 91370
E-Mail: sales@microplex.de
www.microplex.de

AMER
Canada
MICROPLEX PRINTWARE CORPORATION
30300 Solon Industrial Pkwy Suite E, Solon, OH 44139
Phone: +1 440-374-2424
E-Mail: info@microplex-usa.com
www.microplex-usa.com

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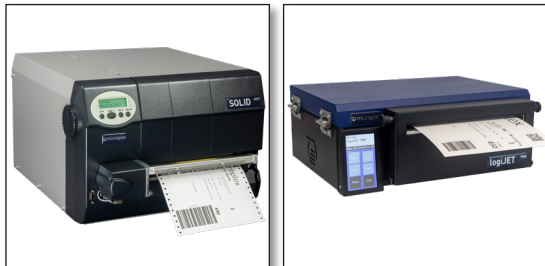
FIELD OF APPLICATION

- Top-sheet printing
- Shipping documents
- Printers for ProMailers, Third-Party-Mailers, Lettershops, ...
- Integration in packing systems

HIGHLIGHTS / FEATURES / SPECIAL FEATURES

- Compact and fast direct thermal printer and cut sheet laser printer
- Compatible with IGP, PCL5, PDF® direct, Line Printer data
- Absolutely smooth paper handling
- Thermal printer speed up to 300 mm per second
- SAP®- and InfoPrint®-compatible (with PCL5, PDF® direct + JetCAPS and LAN-IPDS)
- Compatible with standard laser printers

FAST AND RELIABLE - OPTIMAL PERFORMANCE - PRINTING SOLUTIONS FOR THE MAILING ROOM



Reliable Operation even at the highest Printing Speed

Daily newspapers, magazines, brochures or weekly papers - when the printing press is running, when the stacks are being packed for delivery, maximum speed and absolute reliability are required. Because failures and waiting times result in serious disruptions in operational processes and high follow-up costs.

The Microplex thermal printer **SOLID 45ET** and **logiJET TM8** can easily keep up with your pace. They are characterized by rapid processing speed from the first page and extreme reliability in continuous operation. Thanks to the intelligent Microplex controller, you can easily replace any other printer - whether laser, thermal transfer or dot matrix printer. Reliable operation even at the highest printing speed. The SOLID 45ET, for example, prints at up to 300 mm / s.

Connection to almost any Application

With the **logiJET TM8** you get a thermal printer that offers you maximum flexibility for mailroom workflows, even in mobile use. So you have the choice between stationary use via a **240 volt** cable, whereby the printer can be permanently connected to the company network. Or you can use the label printer on the move thanks to the **battery supply**. Here, **24-volt, 36-volt or 48-volt** batteries are used. In this case, data is supplied via WIFI.

The **SOLID 45ET** can be loaded with 2 different materials with its **2 paper feeders**. Alternatively, the same material can be printed in both feeders without interruption. Empty feeders can be refilled while printing is running.

Diverse Connection Options

Microplex 8-inch thermal printers offer a variety of connection options. In addition to **USB** and **Ethernet interface**, **WIFI interface**, **IEEE 1284 (Centronics)** and a **serial RS232 or RS422** (with adapter) are available for connection to modern production systems. Depending on the model, some of these interfaces are optionally available.

The Microplex interfaces offers numerous features:

- IEEE WIFI 802.11 b/g/n
- Up to 150 Mbps transfer rate
- IEEE 802.1X authentication-standard
- WPA / WPA2, WPA-PSK / WPA2-PSK, WEP (64 bit, 128 bit)

Also optionally available are a **GPIO interface** and a **signal lamp system**, with which the current printer status can be displayed from afar.

Application Top-Sheet Printing

Top-sheets for stacks of newspapers are usually based on the **A4 format**. The **logiJET TM8** e.g. prints at a maximum speed of 6 inches per second. With the optional cutter the logiJET TM8 can separate them into cut sheet. Printing starts immediately after receiving the print data. This enables you to operate your packaging system precisely without having to take into account waiting times for the printer.

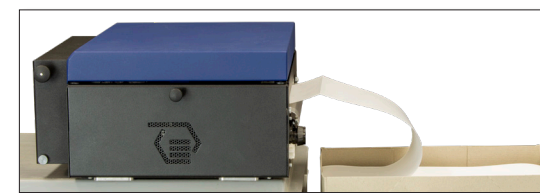
The **logiJET TM8** prints in the efficient and **economical direct thermal process**. Here only the print head and platen roller are consumable parts. Thanks to the long service life of the print head (depending on the material used), the print head of the **logiJET TM8** only has to be replaced after approx. **90,000 top-sheets**.

Paper Feed Options

Microplex thermal printing systems can process and print paper rolls as well as z-folded paper from the stack (cardboard). Loading the printing material is quick and easy.



logiJET TM8 - Paper feeding from roll



logiJET TM8 - Paper feeding z-folded

The paper feed via a **stack or a roll** ensures trouble-free paper transport into the printer. The top-sheets are separated after printing using an optional **cutter**. From here, the resulting single sheets can be taken over by the processing plant and transported on. You can use the external paper feed to flexibly adapt the paper supply to your requirements, so that, for example, you can produce a shift without changing paper. Here using the example of the **logiJET TM8**.

A continuous printing unit with a cutter offers many advantages:

- Trouble-free paper transport into the printer
- Easy handling when inserting paper
- Cut to desired length after printing
- Precise takeover by further processing plants

Professional Cutter for Top-Sheet Production

A rugged cutter is optionally available for all Microplex 8-inch thermal printers. These cutters support the production of top sheets by separating the continuous print materials quickly and reliably. Cutting is performed either by commands in the data stream or automatically after a page is printed.

The SOLID 52A4 as Top-Sheet Printer

The **SOLID 52A4** can be used in the mailroom as an **alternative top-sheet printer** to classic thermal printers.

The optional **face-up paper output** delivers the top-sheets in the correct orientation, offering a plug-and-print installation. The **SOLID 52A4** supports all common thermal printer languages such as **IGP** via a **Centronics or Ethernet interface**. This means that existing applications with their existing print data can continue to be used without adjustments.

The high print resolution of 600 dpi ensures a high-quality printout with sharp-edged barcodes.

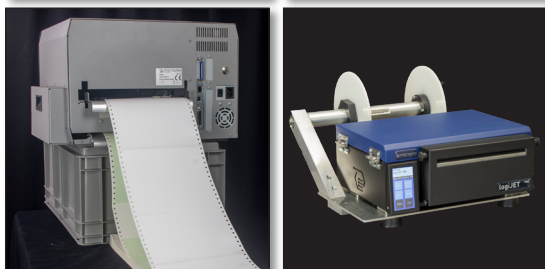
The printing speed of 52 pages per minute supports a high throughput of your mailing system.

Address Labels (Cheshire) at the Highest Level

Microplex has the perfect printing solution for the automated addressing of mail items, newspapers, magazines or brochures.

Industrial printers from Microplex (e.g. the **SOLID F40**) are **certified by Deutsche Post**. This ensures that the printed information and the 2-dimensional **data matrix barcode** can be read and processed smoothly in the further shipping process.

Microplex thermal printers such as the **SOLID T4-2, SOLID T6 or SOLID T8** can also be used for certified printing of address labels (Cheshire labels).

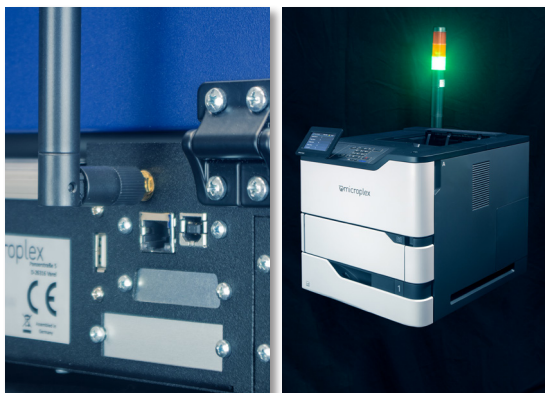


SOLID 45ET

logiJET TM8



SOLID 45ET



Connectors logiJET TM8

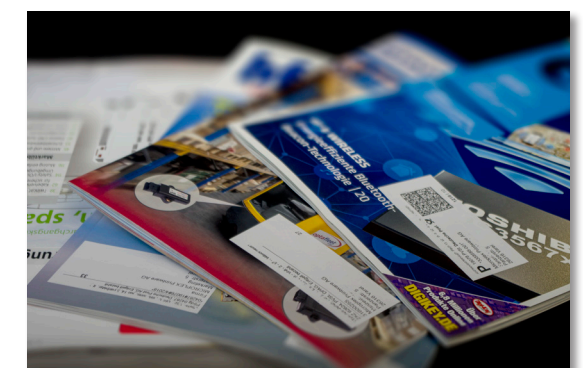
Signal lamp system



Typical top-sheet für newspaper stacks in A4 format



SOLID 52A4 in the newspaper mailroom



Magazines with Cheshire labels