PRINTING TECHNOLOGIES
ENGINEERED IN GERMANY

Microplex printers* are enabled for the remote management software SOTI Connect (license necessary)

SOTI CONNECT

SOTI Connect is an enterprise-grade management solution that provides an organization complete lifecycle management of its mobile and industrial printers.

* SOTI Connect supported by most Microplex printers – not available for SOLID 45ET

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Version 01.04.2026

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SUPERIOR PERFORMANCE AND EXCELLENCE

Printing Solutions for the **Mailing Room**

FAST AND RELIABLE - SUPERIOR PERFORMANCE

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, PRESCRIBE, 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**

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SOLID 45ET *logiJET TM8*

SOLID 45ET

Connectors logiJET TM8 *Signal lamp system*

Typical top-sheet für newspaper stacks in A4 format

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 printers SOLID 45ET and logiJET TM8 are built to keep up with your pace. They offer blazing-fast processing speeds right from the first page and deliver outstanding reliability in continuous operation. Thanks to the intelligent Microplex controller, these printers can effortlessly replace a wide range of other devices – whether laser, thermal transfer, or dot matrix printers.

The SOLID 45ET and logiJET TM8 support common **thermal printer languages such as IGP** via Centronics or Ethernet, as well as **laser printer languages like PRESCRIBE**. This ensures that existing applications can continue to run without any modifications.

Even at maximum print speeds, these printers operate with high stability and precision. The SOLID 45ET, for example, prints at speeds of up to 300 mm/s.

Connection to almost any Application

The SOLID 45ET offers maximum versatility thanks to its two separate paper input trays. These trays can either be loaded with two different types of media – for example, to alternate between various forms or label types – or both trays can be filled with the same material to enable continuous, uninterrupted printing.

If one tray runs out of paper, it can be refilled during ongoing operation – without interrupting the print process.

This ensures a smooth output and efficient workflow, even in high-volume printing environments.

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
- IEEE 802.1X authentication-standard
- Up to 150 Mbps transfer rate
- 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**. 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 and SOLID 60A3 as Top-Sheet Printer

The **SOLID 52A4** and **SOLID 60A3** are ideal alternatives to traditional thermal printers for top-sheet printing in mailroom environments.

The optional **face-up paper output** delivers top-sheets in the correct orientation, enabling easy **plug-and-print installation**. Both printers support common **thermal printer languages such as IGP** via Centronics or Ethernet, as well as **laser printer languages like PRESCRIBE**, allowing existing applications to continue without modification.

With a 600 dpi print resolution, both models produce high-quality prints with razor-sharp barcodes.

The SOLID 52A4 prints at 52 pages per minute and is designed for high-volume mailing operations. The SOLID 60A3 offers even greater performance with 60 pages per minute, support for A3 formats, and maximum flexibility for a wide range of printing needs – including a **first-page-out time of just 3 seconds**.

SOLID 52A4 in the newspaper mailroom

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 T8**) 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 T4-3 SOLID T6-2 or SOLID T8** can also be used for certified printing of address labels (Cheshire labels).

Magazines with Cheshire labels