

April 2024

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In-house label production

Pro1050 Label Printer is based on LED technology and uses a dry toner electrophotographic process to develop the image on a light sensitive drum which is transferred by electrostatic charge via an image transfer belt and fused by heat to the media. This technology produces labels that are waterproof, and UV and scratch resistant.

In comparison to traditional laser printers, where the image is created by a rotating laser beam, the Pro1050 uses static LED lines which means lower maintenance and longer lifetime cycles. LED print heads deliver a precise pixel setting for crisp and brilliant labels.

Print engines with LED technology require less space as there are no rotating parts or optics necessary, making the printer smaller, environmentally friendly and energy efficient, using significantly less raw materials in the manufacturing process.

With the fifth colour, white, the Pro1050 allows much greater flexibility in designing labels. Print white only or white with colours on transparent or coloured label stock, all of this is possible.

For printing white only or white with colour on transparent or coloured labels customers can choose either from standard materials or the wide selection of DTM certified Genuine Label Stock for dry toner. This starts with matte and glossy papers extending to transparent, matte and glossy polyester films, as well as special coatings, such as textured or silver, gold, black, and other coloured materials.

Included is the NiceLabel Free DTM Version software for Windows for simple creations of label designs. For data import and variable data printing, an upgrade with more features is available. The printer can also be used with other popular label design software, such as BarTender, and graphic software, such as Adobe Illustrator and others. For ease of use, PDF files can be printed straight from Acrobat Reader.

The Pro1050 is easy to set up within minutes and requires minimal training to use the flexible



configuration. To simplify the installation workaround DTM Print offers a complete solution with an All-in-One-PC, approved for 24/7 nonstop operation.

A perfect companion for the Pro1050 is DTM Print's LF140e Label Finishing System. The DTM LF140e is a compact system for simple, fast and cost-efficient label processing on-site. It can be used to handle all the operations involved including unwinding the pre-printed rolls, laminating and digital contour cutting, waste matrix removing, slitting and rewinding the finished rolls. Noteworthy is the optical black mark registration through an integrated camera and LED spotlight, which guarantees an accurate repetitive precision even with complex cuts. The lamination increases the durability of labels. Any paper material, whether inkjet or dry toner based, can be coated, eliminating the need for special durable label materials.

With the integrated 11.6" touch screen all functions and processes can be controlled. Also included are numerous connections such as USB, Ethernet and also WLAN connectivity for accessing external cutting jobs.

Pre-printed rolls with a media width between 100 mm (3.94") and 140 mm (5.51") and a maximum roll diameter of 200 mm (7.87") can be processed making it the ideal addition for all types of roll printers. The DTM LF140e comes to the customer as a completely assembled and pre-installed system.

The combination of the Pro1050 label printer and the LF140e finisher is a complete solution suited for industrial print jobs and for on-demand production of small and medium label runs. To produce labels in-house means reducing storage space and costs. There is also no need to order pre-cut label rolls.

For more information about Pro1050 five-colour label printer and the DTM LF140e label finishing system, visit <https://dtm-print.eu>.