



## Newborn Screening Cards

SECURE SPECIMEN  
PRINTING WITH  
SOLID 85E/F90HD

Our **Microplex Continuous Forms Laser Printer SOLID 85E/F90HD** is perfect for serializing specimen cards.

### THE CUSTOMER

The customer is a global company with approximately 115 locations worldwide. Among other things, the company produces serialized sample cards for newborn screening.

### THE CHALLENGE

The customer needs to pre-print carrier paper for specimen cards with barcode and serial numbers. This paper carrier material must be printed from roll-to-roll. After the carrier material is printed, specialized collection media is inlaid and affixed to the paper carrier.

### THE SOLUTION

The Microplex SOLID 85E/F90 HD printer is perfect for this application. These continuous laser printers use a flash lamp fixation process on the paper carrier material. This process is cost-effective and gentle, so as not to damage the material before use.

### THE BENEFIT

Cost effective and reliable printing of newborn specimen cards with serialisation information like barcode and serial number



SOLID 85E/F90HD



## About the Customer

The customer is a global company with approximately 115 locations worldwide. The company supports its customers in the areas of laboratory analysis and workflow management. Among other things, the company produces serialized sample cards for newborn screening.

## The Challenge

The customer needs to pre-print carrier paper for specimen cards with barcode and serial numbers. This paper carrier material must be printed from roll-to-roll. After the carrier material is printed, specialized collection media (Ahlstrom grade 226 filter paper) is inlaid and affixed to the paper carrier and the non-variable part of the test card is printed. Since the printed carrier material is then loaded with the sample material in a further processing device, the pre-print must not mechanically deform the material. This is the only way to ensure smooth further processing.

## The Solution

Cost effective and reliable printing of newborn specimen cards. The Microplex SOLID 85E/F90 HD is used to pre-print rolls with instructions and identification information such as serialization and barcode. The „cold“ fixation using a flash lamp ensures that the carrier materials are not deformed after printing. This ensures error-free processing during the subsequent post-processing. The roll is then loaded onto a printing press to have the special filter paper inlaid, making proper documentation of these cards a breeze.

## The Benefit

Cost effective and reliable printing of newborn specimen cards with serialisation information like barcode and serial number.

Thanks to the flash lamp fixation of the SOLID 85E/90HD, the printing material is treated very gently. Since the material is not exposed to any great heat during the printing process, it remains very dimensionally stable and ensures smooth processing by subsequent machines.

The advantages are:

- High print quality of modern laser technology
- Extremely fast print speeds on 204 g/m<sup>2</sup> paper
- Wide variety of paper stock available in various formats
- Secure paper transport and processing of A6
- Powerful and versatile printer language
- Low network load

## Efficient and fast

The SOLID 85E/F90HD prints newborn screening cards fast and efficient.



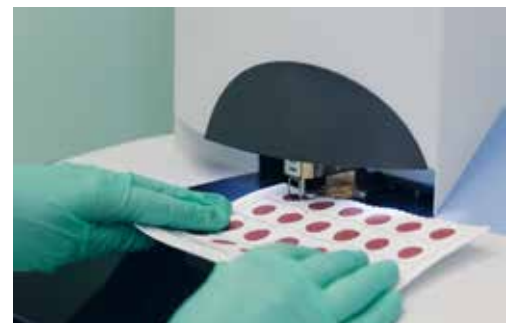
Heel prick test card



The SOLID 85E/F90HD with tractor feeder and high capacity stacker



Examining the blood sample in medical lab



Preparation for analysis of dry blood

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