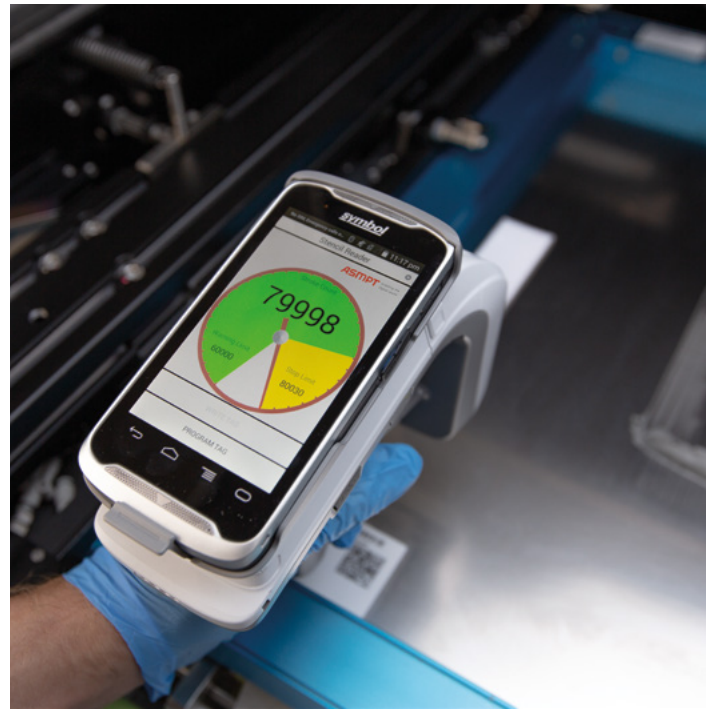
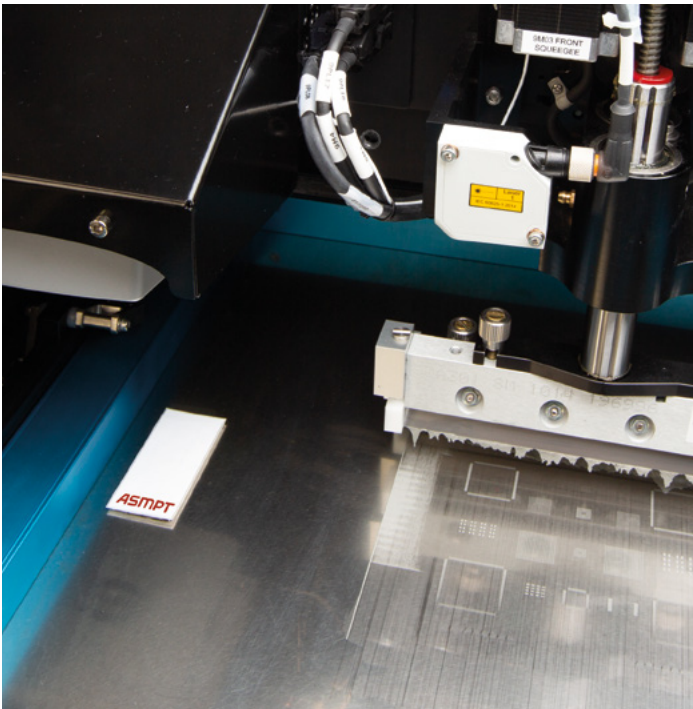


Smart Stencil

Smart Stencil is our complete solution for managing the service life of stencils. It is smart, RFID-based, and transparent. Never again will the use of outdated stencils hurt the quality and efficiency of your printing processes.



Declines in tension and surface quality, which are normal as stencils age, reduce the quality, yield and process stability of the solder paste printing process. Smart Stencil is an RFID-based solution that provides for the first time a simple, convenient, and seamless solution for monitoring the service life of stencils.

Its core components are ASM-supplied RFID tags which are applied by the stencil manufacturer – or by the user – to each stencil to identify it and store basic data about it. DEK printers equipped with the Smart Stencil option record each printing cycle on the RFID tag even if the stencil is used on different lines.

The basic data and print cycles stored on the RFID tags can be read by DEK printers with the Smart Stencil option and by handheld devices. The ability to store warning thresholds and maximum values for the number of print cycles makes seamless process control possible. For example, when the threshold level is reached, the system can use this information to order a new stencil. The necessary data can also be stored on the RFID tag. When the maximum value is reached, the printer stops the printing process.

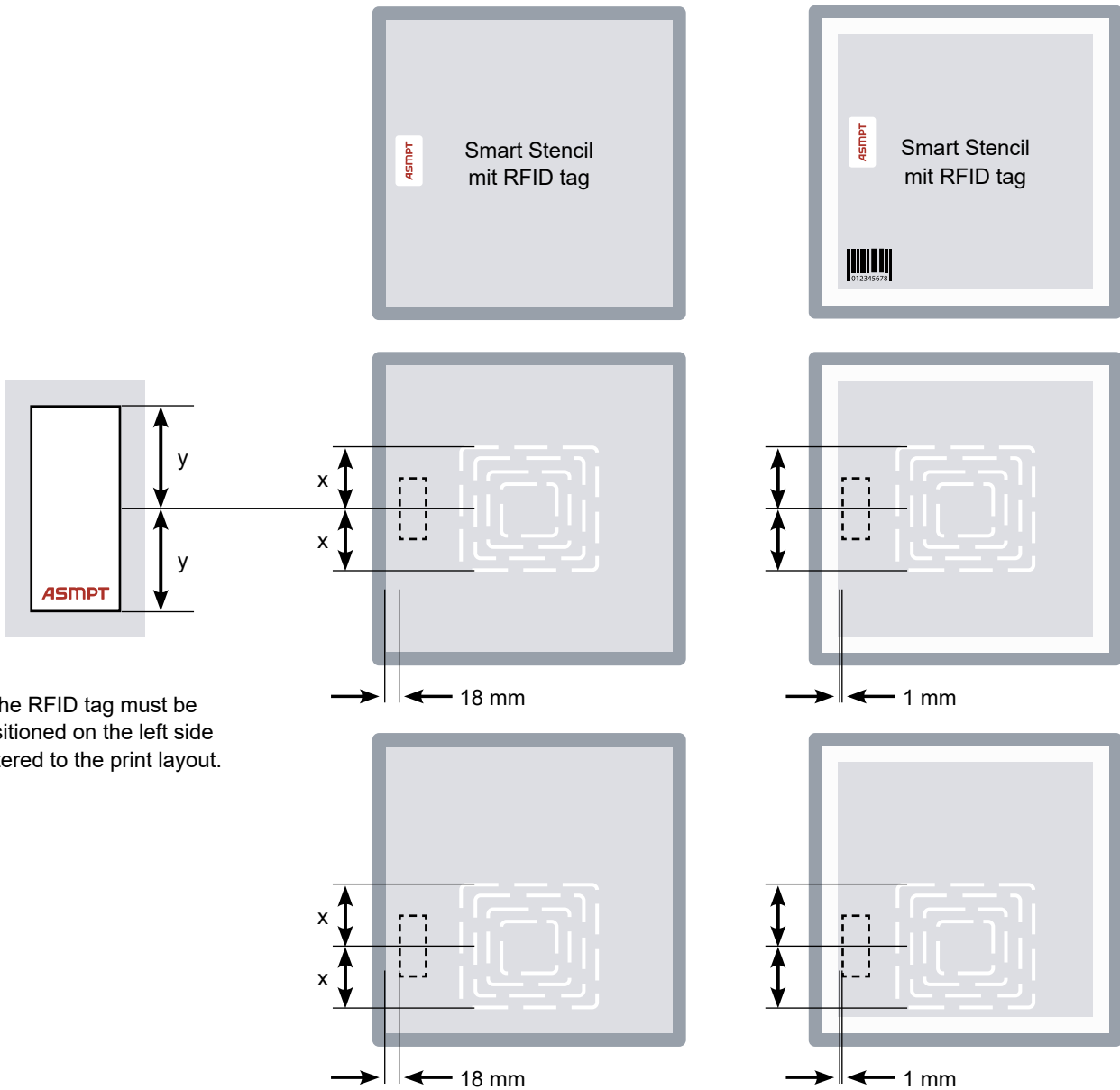
Functions and benefits

- Process stability through seamless service life management
- Smart Stencil RFID tags available for stencils from all manufacturers
- Customers can apply RFID tags themselves
- Service life data can be stored on and recalled directly from the stencil RFID
- Ability to store a stencil profile (technical data, manufacturer, reordering data, storage locations, etc.)
- DEK printer with the Smart Stencil option write to the tags with each print cycle
- Manual entries possible with the RFID handheld device
- Customer-definable warning and maximum thresholds
- Warning threshold optimize ordering processes and in-house logistics
- Reaching the maximum threshold stops the printing process; it can only be overwritten by authorized personnel
- Only available for the DEK NeoHorizon platform

Smart Stencil – Application and positioning

Stencil with DEK VectorGuard™ framing solutions

Adhesive stencil



AVAILABLE FEATURES AND PARTS:

Part number	Description	Unit
SAP		
03216102-01	Smart Printer Hardware (DEK Horizon)	Each
03215953-01	Smart Printer Hardware (DEK NeoHorizons and DEK Galaxy)	Each
03216105-01	Offline Unit (EU and ETSI Model)	Each
03220448-01	Offline Unit (US and FCC Model)	Each
03216909-01	RFID Tag	Each
03216106-01	RFID Multi Pack & Fitment guide	50

AVAILABLE MPU'S (MACHINE)

Part number	Description	Unit
SAP		
03221004-01	Smart Printer Hardware MPU (DEK Horizon)	Each
03221003-01	Smart Printer Hardware MPU (DEK NeoHorizons and DEK Galaxy)	Each

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