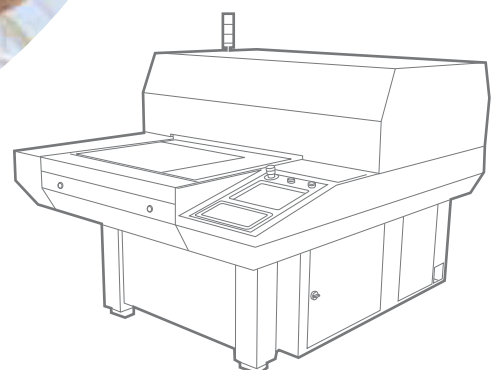


# Sprint™ 120 Inkjet Printer

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PCB Production Solutions



**Consistent Printing with DotStream Technology™**

The breakthrough performance of Orbotech’s DotStream Technology™ delivers consistent inkjet output without compromising on throughput. Sprint 120 achieves full ink coverage in a single pass with precise drop control and optimized algorithms for fine text and filled areas. The system’s print heads are specially customized for the challenges of electronics industry substrates and processes with features that extend their useful life including ink flow compensators and a patented nozzle cleaning station. An integrated air scrubber ensures a clean printing environment.

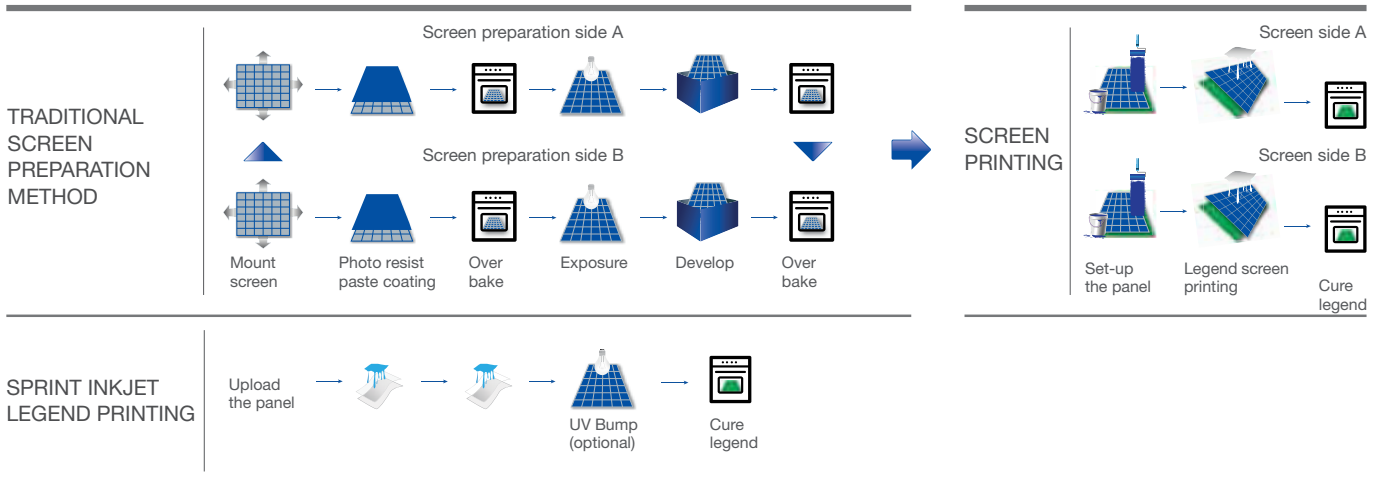
**Volume Production with Top Quality**

Introducing an innovative new approach to Orbotech’s proven UV curing on-the-fly, Sprint 120 employs long-life LED lights for superior drop curing and printing of features down to 0.5mm. The result is high production quality with less passes than previous systems. With automatic measurements and scaling for each panel, registration accuracy of 35µm is achieved. Incorporating a high depth-of-focus (DOF) of 1.5mm, Sprint’s accurate and uniform printing over challenging surface topography makes it an ideal choice for a range of today’s most complex applications.

**Easy and Flexible Operation**

Sprint’s digital printing solution shortens time-to-market with its easy, flexible operation’. With its unique technology, the system eliminates the entire screen mask preparation process and requires only one baking cycle. Sprint 120 can print side A-A or A-B according to user-defined parameters. Pinless alignment eliminates the need for pinning holes and reduces panel load/unload time. Fully integrated hardware, including vacuum table, clamps and retractable bridges, completely flattens the printing area to ensure top quality results on warped panels and a variety of thicknesses. PCB and panel traceability is assured with multiple serialization and bar-coding options defined per panel, strip or individual PCB.

With UV LED curing and DotStream Technology™, Sprint™ 120 eliminates screen mask preparation.



# Sprint™ 120 Inkjet Printer

## Streamlined for Volume Production



Featuring innovative DotStream Technology™ and UV LED curing, Sprint 120 delivers high speed and top quality printing for consistent, volume production of advanced legend designs.

### Benefits

#### Consistent Printing with DotStream Technology™

- Precise drop control at high speeds
- Optimized algorithms for fine text and filled areas
- Customized print heads for electronics industry challenges and processes
- Patented nozzle cleaning station
- Air scrubber for clean printing environment

#### Volume Production with Top Quality

- Advanced LED-based UV curing on-the-fly
- High production quality with less passes than previous systems
- Uniform printing over challenging surfaces
- Accurate results on features down to 0.5mm

#### Easy and Flexible Operation

- No screen mask preparation required
- Intuitive and user-friendly interface for fast set-up
- Automated data transfer from CAM
- Pinless alignment for reduced load/unload time
- Flexibility to print side A-A or A-B



0.7mm text before DotStream Technology™  
2 passes, 58 seconds



0.7mm text with DotStream Technology™  
1 pass, 26 seconds