



ESS 1804 NEON

The ESS S1804 Neon is a large-format sublimation plotter engineered to deliver high-visibility textile graphics with enhanced fluorescent color output. Its four-printhead configuration ensures uniform ink distribution across the full print width, providing consistent color density, sharp detail reproduction, and reliable performance in continuous production environments. The CMYK + Neon ink configuration expands the color gamut, enabling vivid tones and high-impact finishes for visually striking textile applications.

The system is designed for professional sublimation workflows, integrating advanced media handling and professional RIP software for precise color control, job management, and production optimization. Its compatibility with coated sublimation substrates ensures stable ink absorption and accurate color transfer onto polyester fabrics. The integrated heating system supports controlled drying and stable output across different operating conditions.

In terms of productivity, the ESS S1804 Neon delivers speeds of up to 35 meters per hour in draft mode, 30 meters per hour in production mode, and 25 meters per hour in quality mode, depending on image saturation. It supports a maximum print width of up to 180 cm and operates on a 220V electrical configuration with a total power consumption of approximately 5 kW. This configuration ensures reliable, high-visibility output for professional textile sublimation applications.

TECHNICAL SPECIFICATIONS

PRINTING SYSTEM	
Technology:	Large-format sublimation inkjet printing
Number of printheads:	4 printheads
Ink configuration:	CMYK + Neon sublimation inks
Maximum print width:	Up to 180 cm (70.8")
PRINTING SPEED	
Draft Mode:	Up to 35 m/h
Production Mode:	Up to 30 m/h
Quality Mode:	Up to 25 m/h
Note:	Speeds may vary depending on image saturation, fabric type, and operating conditions
FORMAT & MATERIALS	
Compatible materials:	Coated sublimation transfer substrates
Maximum roll weight:	Not specified in source
Supported file formats:	PRT, PRN, PLT
Software:	Professional RIP software
POWER & ELECTRICAL	
Total power consumption:	Approx. 5 Kw
Heater power consumption:	Included in total consumption
Electrical requirement:	220 V + UPS
Frequency:	50–60 Hz
WORKING ENVIRONMENT	
Operating temperature:	Not specified in source
Humidity:	Not specified in source
DIMENSIONS & WEIGHT	
Dimensions (L x W x H):	Not specified in source
Weight:	Not specified in source
Warranty:	One-year warranty