efi ES-6000
Spectrophotometer

EFI™ ES-6000 spectrophotometer

New network-connected scanning spectrophotometer increases accuracy and automation in the colour measuring workflow.

Accurate and efficient scanning

The new EFI ES-6000 spectrophotometer automates and streamlines the press profiling process. In order to complete colour management tasks for multiple print systems or for many media types, having a scanning spectrophotometer is essential. But most instruments today do not provide the greatest efficiency if the device must be shared among multiple users. By connecting the spectrophotometer to the LAN, several operators can share the same spectrophotometer in order to maintain colour quality on multiple print systems simultaneously.

Reduce the time and effort required to colour manage multiple print systems

- Increase shop productivity by eliminating manual scanning of each colour patch target row

- Share a single ES-6000 spectrophotometer among multiple network users

- Automate the measurement process using barcodes on colour patch sets

- Read a single colour patch page 20% faster than the EFI ES-2000

- Ensure colour compliance using the latest ISO 13655 standard (M1) for colour measurement

- Integrate directly with Fiery® Color Profiler Suite for full colour profiling functionality and licensing

Save time with barcode colour chart identification

The ES-6000 reads barcodes on colour targets from Fiery Color Profiler Suite to define the patch set to be measured and identify the network-connected workstation to send the final measurements to. An enhanced alignment system allows charts to be easily fed into the scanner and eliminates inaccuracies related to poor chart alignment.

ES-6000 spectrophotometer

Ensure ISO standards compliance

The ES-6000 network scanning spectrophotometer complies with ISO 13655 which defines the new M1 measurement mode. M1 is now the specified measurement condition for GRACoL 2013 and SWOP 2013. To properly verify against these standards, M1 measurements are required. This enables verification of a shop's colour compliance with these new standards so that print buyers can be confident their jobs have the best colour precision.

Measurement mode support

The ES-6000 accommodates ISO 13655 measurement illumination conditions to manage the measurement of optically brightened substrates used in digital printing environments.

- ES-6000 accommodates all measurement modes including M0, M1, and M2
- M1 is the preferred measurement mode for media with OBAs

SPECIFICATIONS	EFI ES-6000
Spectral engine	i1 technology (holographic diffraction grating with diode array)
Spectral range	380 – 730 nm
Optical bandwidth	10 nm
Sampling interval	3.5 nm (100 bands)
Spectral reporting	10 nm
Measurement conditions	M0, M1, and M2 measurement modes
Interface	USB1.1 10Base-T IEEE 802.3 Ethernet with DHCP addressing
Size options	A3+
Physical dimensions	Width 52 cm, depth 16 cm, height 12 cm
Weight	3.9 kg
Inter-instrument agreement	Average 0.4 DE*00 manufacturing standard at a temperature of 23°C on 12 BCRA tiles (D50 2°C)
Short-term repeatability	0.1 DE*00 (D50 2°C) on white
Paper width	6 to 33 cm
Paper length	17 to 66 cm
Paper thickness	Typical 0.16 mm, Range: 0.08 to 0.45 mm

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