

BARBIERI Spectrophotometer

Spectro **LFP**

Transmission / reflection spectrophotometer
for automatic measurement
of most different materials
in Large Format and Industrial Printing

Transparency



PVC



Cardboard



Forex



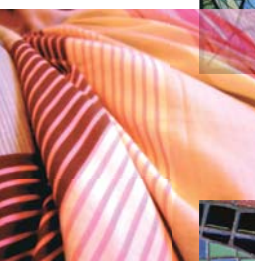
Banner



Glass



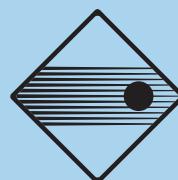
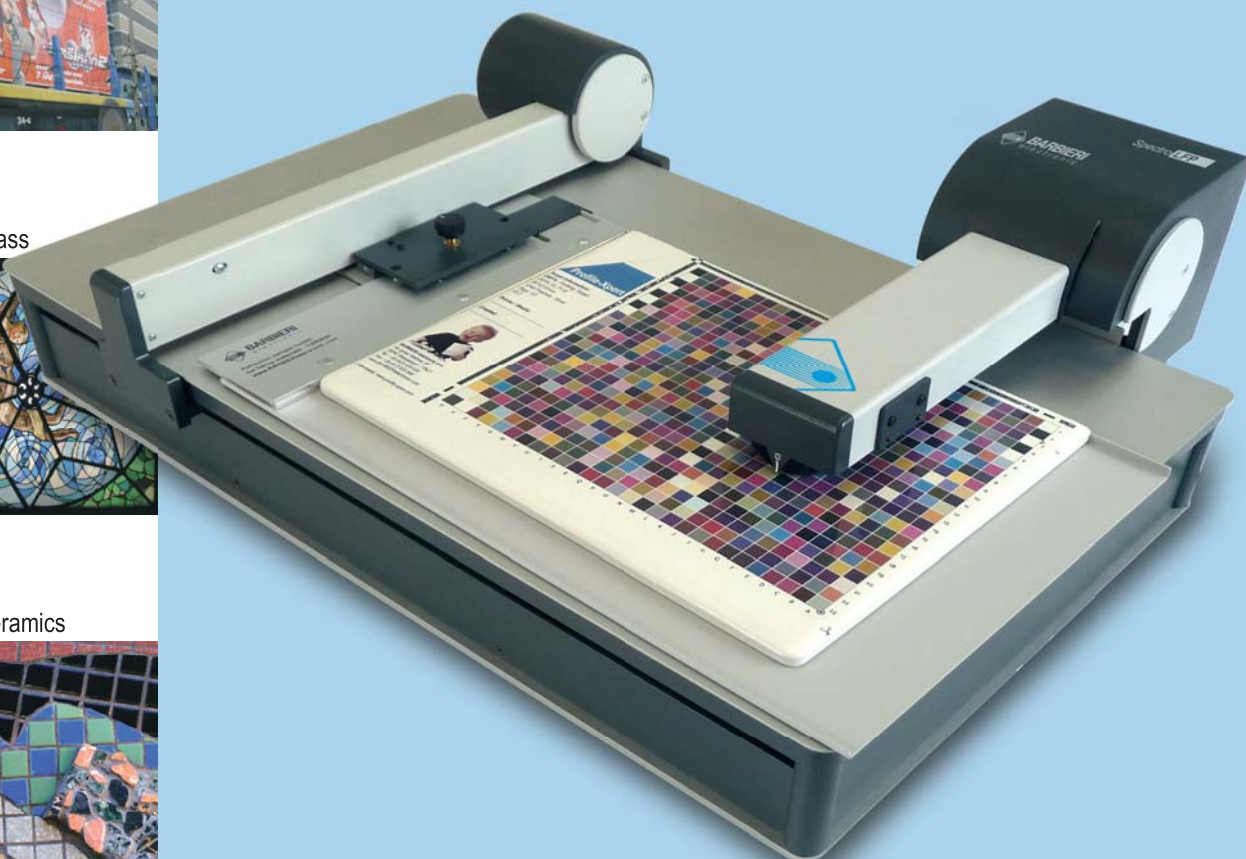
Textile



Ceramics



Wood



BARBIERI
electronic
When Color Quality counts

Spectrophotometer Spectro **LFP**

The BARBIERI spectrophotometer for automatic measurement of most different materials in Flatbed and Large Format Printing for linearization of digital output devices and ICC profile creation.

Use

The Spectrophotometer Spectro LFP RT is an automatic color measuring instrument for both reflection and transmission to create ICC profiles and for linearization of digital output devices in flatbed, large format and industrial printing.

Main features

- For transparent and reflective media
- Able to measure heavy and thick materials
- Supported by most RIP-software (www.barbierielectronic.com/RIP.htm)
- Measuring aperture switchable from 2 to 6mm
- 3 reading modes:
 - Automatic measurements
 - Single measurements
 - Density measurements
- The following materials printed on large format inkjet-printers can be measured automatically: textiles, glass, backlit film, papers, vinyl, cardboards, plastic plates, gypsum plates, wood, stone and ceramic plates.
- Compatible for Macintosh and PC
- Extremely high measuring precision and repeatability
- Available in 2 versions:
 - Spectro LFP **RT**: (transparent and reflective media, 2 and 6mm measuring aperture)
 - Spectro LFP **Basic**: (reflective media and 6mm measuring aperture only)
- Easy **upgrade** from Basic to RT version

Application fields

- Creation of ICC profiles for digital output devices for most different materials (both reflective and transparent)
- For linearization of digital output devices
- Single measurements of logo-colors (Pantone) with subsequent check of the color-true printing
- Use as a densitometer to determine density values for films and papers

Recommended accessories

- Sample holder for different materials
- UV-cut filter
- Carrying case (trolley)
- BARBIERI Profile-Xpert - professional Color Management software

Technical data

- Measuring speed: approx. 10min. for 1248 fields
- Maximum measuring area: 290 x 200mm (11.42 x 7.87in)
- Target thickness: max. 20mm (0.79in)
- Smallest measuring step: 0,2mm (0.01in)
- Measuring apertures:
 - reflection 2 and 6mm (0.08 and 0.24in) (switchable)
 - transmission 2 and 6mm (0.08 and 0.24in) (switchable)
- Geometry:
 - reflection 45°/0°
 - transmission d/0°
- Calibration: automatic with internal white reference
- Physical illumination: type A
- Measurement time: < 0,3sec.
- Repeatability:
 - < 0,2 ΔE94 on white or ± 0,005D (up to 1.000D)
- Inter-instrument agreement: typ 1 ΔE94
- Measuring sensor: diffraction grating with diode array
- Spectral resolution: 3,5nm
- Spectral range: 380 ... 780nm
- Density measuring range: 0...2.5D
- Interface: USB for Mac, PC and Linux, RS232
- Dimensions: 571 x 433 x 160mm (22.48 x 17.05 x 6.3in) (LxWxH)
- Weight: 11kg

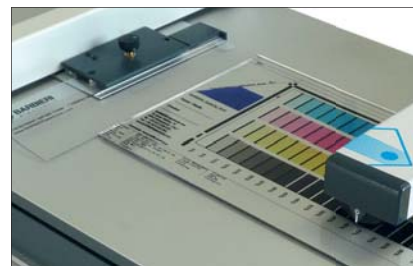
System requirements

- Microsoft Windows 2000 or later
- Mac OS X 10.4 or later (Power PC and Intel)

- Including free measuring software Profile-Xpert Gateway for Mac and PC



Backlit film



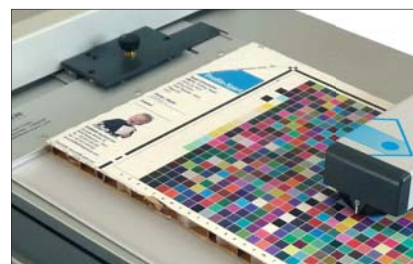
Glass



Textiles



Ceramic plates



Cardboard

	Spectro LFP Basic	Spectro LFP RT
Reflective measurements	✓	✓
Transmissive measurements		✓
6 mm measuring aperture	✓	✓
2 mm measuring aperture		✓
Automatic measurements	✓	✓
Up to 20mm thick media	✓	✓

Member of

