

# BARBIERI Spectrophotometer

## Spectro **LFP** S.3

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

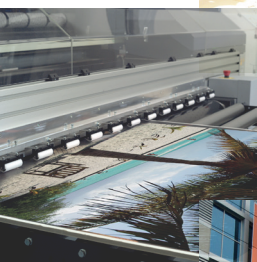
Transparency



PVC



Cardboard



Forex



Banner



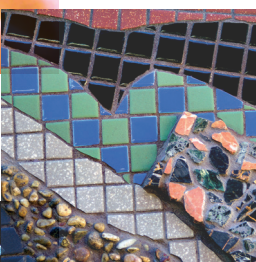
Glass



Textile



Ceramics



Wood



## Spectrophotometer

## Spectro **LFP** S.3

The BARBIERI spectrophotometer for automatic measurement of most different materials in Large Format, Flatbed and Industrial Printing.

### Use

The Spectro LFP RT Series 3 is the automatic color measuring device for both reflection and transmission in large format, flatbed and industrial printing.

### Main features

- For transparent and reflective media
- Measuring aperture switchable between 2, 6 and 8mm
- For heavy and thick materials
- Supported by most RIP-software ([www.barbierielectronic.com/RIP.htm](http://www.barbierielectronic.com/RIP.htm))
- 3 reading modes:
  - Automatic measurements
  - Spot measurements
  - Density measurements
- Some examples of materials which can be measured automatically: textiles, glass, backlit film, papers, vinyl, cardboards, plastic plates, gypsum plates, wood, stone and ceramic plates.

### Application fields

- Creation of ICC profiles for digital output devices for most different materials (both reflective and transparent)
- 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

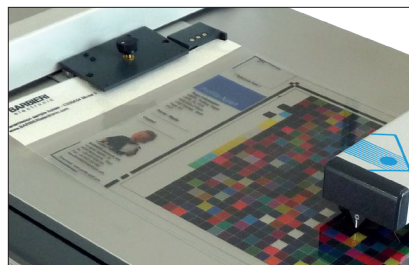
- Sample holder for different materials
- Electrostatic sample holder for textiles and thin media
- UV-cut filter
- Polarization filter
- Carrying case (trolley)
- BARBIERI Profile-Xpert - professional Color Management software

### Technical data

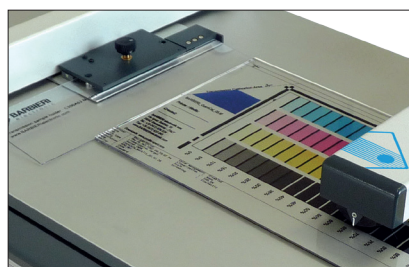
- Measuring speed: approx. 10min. for 1248 fields
- Maximum measuring area: 290 x 200mm (11.42 x 7.87in)
- Target thickness: max. 20mm (0.79in)
- Smallest measuring step: 0,2mm (0.01in)
- Measuring apertures:
  - reflection 2, 6 and 8mm (0.08, 0.24 and 0.31in) (switchable)
  - transmission 2, 6 and 8mm (0.08, 0.24 and 0.31in) (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  $\Delta E_{94}$  on white or  $\pm 0,005D$  (up to 1.000D)
- Inter-instrument agreement: typ 1  $\Delta E_{94}$
- Measuring sensor: diffraction grating with diode array
- Spectral resolution: 3,5nm
- Spectral range: 380 ... 780nm
- Density measuring range: 0...2.3D
- 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

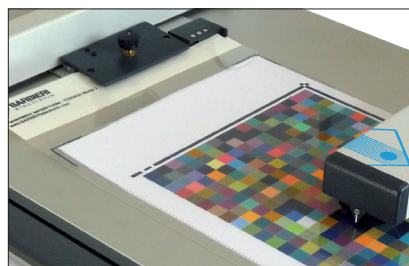
- Microsoft Windows 7 or later (32 and 64 bit)
- Mac OS X 10.10 or later
- Including free measuring software Profile-Xpert Gateway for Mac and PC



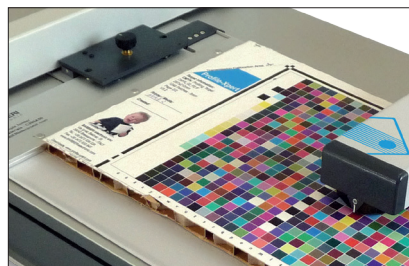
Backlit film



Glass



Textiles



Cardboard