Rapid Spectro Cube

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Ultrafast Color Measurement and profiling for all industrial digital printing applications

Color by
COLORinLAB
color consulting

The Rapid Spectro Cube (RSC) is an all-in-one Color Management solution for the creation of ICC profiles especially in industrial digital printing applications. It contains an ultrafast color measurement system and software for ICC profiling.

Highlights

- Maximum substrate size 600x600 mm, substrate thickness 80 mm
- Maximum target size 450x450 mm
- Processing of 10,000 patches per target
- Measuring extremely small objects is possible, minimum patch size 1 mm
- Omnidirectional illumination
- Simple measurement and processing of complex substrates:
  – **Non-white/tinted or colored substrates:** e.g. corrugated, leather, wood, ceramics
  – **Translucent surfaces and high gloss substrates:** e.g. glass, varnish, metal, ceramic tiles and décor panels, backlitmaterials
  – **Structured substrates:** e.g. carpets, leather, textiles, ceramic tiles
- Creation of high-quality ICC profiles (CMYK, RGB, aNyColor)
- RSC Flightcase (RSC FC) or RSC Heavy Duty (RSC HD): Depending on your needs ColorGATE can offer different options of RSC HD and RSC FC.

- Optimal adaptation to the production environment through various configuration options:
  – Casing as a lightweight, transportable flightcase or in the heavy duty variant for stationary use in industrial applications production environments
  – Optional scan function
  – Standard or high-resolution sensor (depending on the type of use)

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:::::ColorGATE

Innovative Solutions
Committed to Color

Further information incl. video on our website.
www.colorgate.com

"What you see is what you get – measure like your own eyes"

Typical spectrophotometers for graphical applications are specialized to read the single patches of printed media in a standard compliant way according to their fixed illumination and sensor geometry. They apply low-resolution sensors which make the process very time-consuming and it may lead to incorrect measurements of structured or translucent or reflective surfaces, with the consequence that obtained measurement data is useless for accurate color management.

The Rapid Spectro Cube (RSC), however, captures with its high-resolution sensor system a larger area and provides accurate measurement results of technically demanding surfaces, which are further processed in the course of processing for characterization purposes (ICC profiles) in such a way that the resulting color impression corresponds rather to the sense impression of the human color perception.

Rapid Spectro Cube
Complete target measurement

Standard Spectrophotometer
Patch-by-Patch measurement
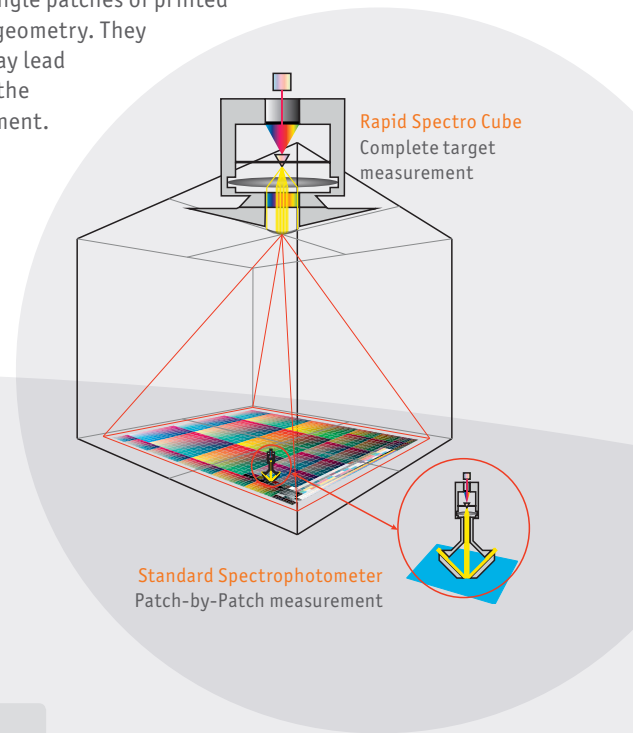
Rapid Spectro Cube variants

RSC Heavy Duty (RSC HD)
Highly stressed system for industrial production environments.

Construction: Robust steel frame construction with resistant side walls

Ideal for heavy weight materials like ceramic tiles, concrete
Drawer to load the substrate

Weight: 75 kg

RSC Flightcase (RSC FC)
Quickly mountable, tranportable system.

Construction: Easy to dismantle plug-in construction with hightec honeycomb panels for high stability and low weight form

Includes detachable trolley handle with roles for transporting the system

Setup in less than 5 minutes so that this variant can be used for on-site- jobs for Color Management providers
Easy to transport
Weight: 32 kg (allowed as bulky luggage)

Target on substrate

Final print on substrate

Target on substrate

Final print on substrate

Available RSC variants	
ColorGATE Rapid Spectro Cube FC P	006-901-009-001
ColorGATE Rapid Spectro Cube FC SP	006-901-009-200
ColorGATE Rapid Spectro Cube HD P	007-901-009-001
ColorGATE Rapid Spectro Cube HD SP	007-901-009-200
ColorGATE Rapid Spectro Cube HD Pplus	007-901-009-201

Scanning dimensions and resolutions (SP variant)

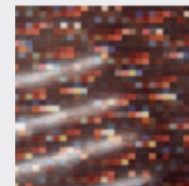| Size (XY) in mm	dpi
min. 233 x 175	715
332 x 249	600
400 x 313	500
400 x 377	400
max. 400 x 400	365

Delivery

∴ Rapid Spectro Cube color measurement system as Flightcase or Heavy Duty variant
∴ Available in the variants S (Scanning), SP (Scanning and Profiling) and Pplus (can be extended to an RSC HD SP (including scanning function) at any time)
∴ ColorGATE Productionserver software for target generation and ICC profiling
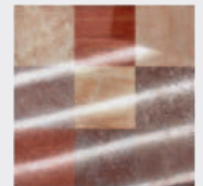∴ Value Pack 365 Software maintenance and support contract

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