

# GTI ColorMatcher® Series

Premier Critical Color Inspection Systems

## Inspect & Color Match

## Inks, Paints, Plastics, Textiles, Paper, Colorants...all colored materials

Introducing a family of color matching systems designed to deliver every option and feature you need to evaluate and communicate color with absolute confidence. The four standard sizes of the CMB will accommodate nearly any sample size. Multiple light sources provide an essential tool for visual color assessment, comparison of color variation, and detection of metamerism (when color samples appear to match under one illumination condition but distinctly change when viewed under a different illumination condition).

**All GTI color matching booths are supplied with a certificate of product conformance (NIST traceable).**



Model: CMB-2540/FS



Complies with the following standards:

→ ASTM D1729 → SAE J361 → Tappi 7515  
→ BS-950 Part 2 → AS 1580.6001.1

Sides are  
Removable!

## Four Standard Viewing Area Sizes

- CMB-2028: 19" H x 28" W x 20" D (48 x 71 x 51 cm)
- CMB-2540: 25" H x 40" W x 25" D (64 x 102 x 64 cm)
- CMB-3052: 30" H x 52" W x 30" D (76 x 132 x 76 cm)
- CMB-3064: 30" H x 64" W x 30" D (76 x 162 x 76 cm)

**Units can be combined for increased width.**

**CMB Ordering Guide Available**  
[www.gtillite.com/gti-ordering-guides.htm](http://www.gtillite.com/gti-ordering-guides.htm)

## Numerous Exceptional Features



### GTI ColorGuard II

Tracks all light source usage, indicates when to relamp.

#### → Five Light Sources

Artificial Daylight (D65, D75, or D50)

Store Light (CWF or TL84)

Home Light (Incandescent A)

Optional Source (D50, 30U, TL84, TL83, Horizon)

Ultraviolet Light



### Digital & Programmable

New digital control provides "instant on" source selection.

- Push Button - "Instant On" Lamp Selector
- Automatic Light Source Sequencing
- Munsell N7/ Gray Surround
- GTI ColorGuard II Timing Center
- Optional Stand & Drawer/Cabinet Accessories

## Special Applications

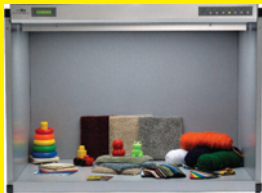
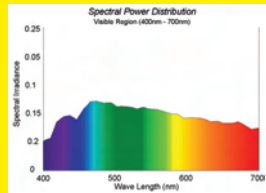
Variable intensity option available for all light sources. GTI offers custom designed lighting systems for many specialized illumination applications including visual comparisons with LCD monitors and optical system testing.

# Standard Illuminants

The spectral power distribution of typical illuminants specified for visual color matching are shown below. Note the significant differences in shape which enhance detection of metamerism. GTI's ColorMatcher D65 lamp is specially formulated to deliver extremely accurate D65 light quality and provides near A rating for MI(vis) and a C rating for MI(uv) plus a CRI over 98.

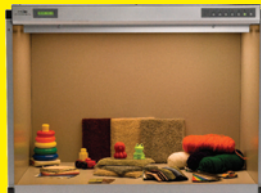
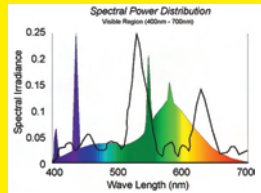
## DAYLIGHT (CIE D65, 6500K)

Full Spectrum & Color Balanced For Critical Color Evaluation & Color Communication



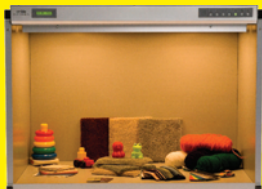
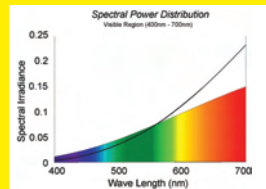
## STORE LIGHT CWF (4100K)

Green/Yellow Bias, High Lumens/Watt, Energy Efficient



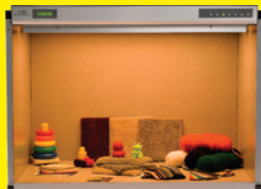
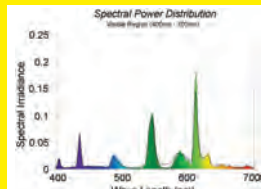
## HOME LIGHT Incandescent (CIE 'A', 2856K)

Red/Orange Bias, Tungsten Filament Source



## OPTIONAL TL83 (3000K)

Green Bias, Triphosphor Narrow Band, Energy Efficient



**UV** used with or without visible sources. Allows detection of optical brighteners, whitening agents, and fluorescent dyes or pigments.

## Floor Stand & Storage Accessories



**Floor Stand**  
(FS-2028, FS-2540, FS-3052) Height adjustable floor stand on casters.



**File Drawers**  
Single deep (1F) or double shallow (2F) drawers for all models. Can be used with or without floor stands and cabinets.



**Storage Cabinet**  
Available for CMB-2540 or CMB-3052. Can be used with single (1F) or double (2F) drawer, or riser (TS).



**Flat Files**  
Available for CMB-2540 or CMB-3052. Can be used with single (1F) or double (2F) drawer, or riser (TS).

## Viewing Accessories



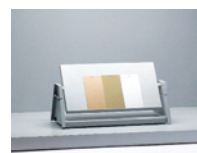
**VS-45**  
45° Viewing Stand  
Munsell N7/ Gray



**IP-2028 / 2540 / 3052**  
Matte Black Insert Panel Set  
(includes side walls, rear wall, floor panels)



**FX-CMB**  
Accessory directional light source for gonio-apparent coatings



**VVT-816 / 1224**  
Variable Angle Viewing Table  
Munsell N7/ Gray

## Additional Color Matching Products



**MiniMatcher**  
Color Matching Systems



**PDV**  
Professional Desktop Viewer with D65 Light Source



**PDV-2e/M**  
Portable viewing system with 3 light sources plus UV.



**GLE-M**  
Color Matching Overhead Luminaire Systems

## About GTI

GTI Graphic Technology, Inc. is the leading provider of critical color viewing systems for graphic arts and photographic applications. For over 30 years, GTI has been designing and manufacturing lighting systems for visual color appraisal and critical color communication. More recently, GTI has been the OEM manufacturer of critical color matching systems for several well-known quality control and color formulation system suppliers. GTI products are tested and certified by an in-house radiometric laboratory to assure the accuracy and consistency that demanding color production requires. The CMB series provides state-of-the-art technology, unparalleled viewer-to-viewer compatibility, and the most accurate match to industry standard aimpoints on the market. If you are serious about your color quality, GTI is your best choice for color-critical lighting systems.

gti

true light  
true color