



Color Harmony Inspection Systems

For Accurate Viewing of Exterior Coatings and Accessories



In the automotive industry, paints and coatings are becoming more complex, parts are being manufactured from a wider range of materials, effect pigments are being used more frequently, and final products consist of components from a worldwide supply chain. To ensure quality, incoming parts and final products need to be inspected in a lighting environment that is compliant with industry standards.

The GTI Color Harmony Inspection System (CHIS) is designed to help manufacturing and color quality professionals meet this challenge, to better manage color, and to ensure their products meet their brand's promise for quality.

Optimized Visual Inspection

The GTI CHIS has been developed for critical color and appearance audits in the automotive industry. Features include three independently controlled luminaires with three light levels, multiple angles of illumination, a wireless remote, GTI ColorGuard II lamp tracking, and casters to easily position the viewing system.

Meeting Industry Standards

GTI's CHIS meets the ASTM D1729 and SAE J361 standards for color viewing. Enabled by GTI's 6500K ColorMatcher lamps, the CHIS has a CIE rating of B/C based on ISO/CIE 23603:2005 (previously designated as CIE Publication 51), one of the highest in the industry. These lamps not only include energy in the visible spectrum, but also in the near UV area of the spectrum to provide a far more accurate simulation of true daylight to observe the effects of optical brighteners, whitening agents, fluorescent dyes, and pigments.

Color Matching for any Line of Large Products

Developed and designed for quality control of automotive finishes, a Color Harmony Inspection System can be used for inspecting exterior coatings, finishes, and color matches on any large object.

The GTI Color Harmony Inspection System's multiple angles of illumination will help you to match colors and detect surface imperfections in fit and finish.

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Superior Industry Standard Lighting When Color is a Critical Aspect of Your Product Line

CHIS Standard Features

- Meets viewing requirements for SAE J361 and ASTM D1729
- Superior quality, full spectrum D65 daylight
- Multiple angles of illumination
- Three independently controlled luminaires with three light levels
- Wireless remote control
- Easily rolls into position
- GTI ColorGuard II monitors lamp usage
- Multiple light sources available



GTI lamps are manufactured with proprietary fluorescent phosphors that are unequalled by any other lamp in the industry. They produce a true full spectrum white light which renders colors with the highest degree of accuracy, color rendering, and efficiency.



CHIS Model Sizes/Specifications

Model	Dimensions (W×H×D)	Watts
CHIS-40	42" × 100" × 44" / 107 cm × 254 cm × 112 cm	788
CHIS-52	54" × 100" × 44" / 137 cm × 254 cm × 112 cm	1008
CHIS-64	66" × 100" × 44" / 168 cm × 254 cm × 112 cm	1260

GTI is a leading manufacturer of tight tolerance lighting systems for critical color viewing, color communication, and color matching. An in-house spectroradiometric laboratory and a 100% measurement and verification production process guarantees that precision and accuracy is built into all products. All products are shipped with a certificate of product conformance (NIST traceable).



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