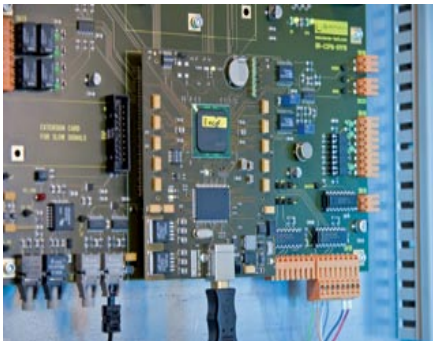


CST DLE



DOUTHITT proudly introduces the CST DLE screen imaging system with the latest development in screen imaging technology. Utilizing a digitally controlled mirror device manufactured by Texas Instrument, the DLE screen imaging system images and exposes the screen directly from computer-to-screen. The new and efficient scrolling and digital light processing technology sets the new standards in screen imaging and is patented.

DOUTHITT

THE DOUTHITT CORPORATION

Manufacturers of Exposure Equipment and Computer to Screen

245 Adair Street • Detroit, Michigan 48207-4287 • Established 1919
Phone 313-259-1565 FAX 313-259-6806
<http://www.douthittcorp.com> E-Mail: em@douthittcorp.com

CST DLE

World Leaders in the market - valued by a wide range of customers

DIGITAL LIGHT IMAGING

Directly imaging and exposing coated screens eliminates screen masking by wax, ink or film. Consumables are no longer needed. A Digital Mirror Device (DMD) modulates an ultra-high power UV light source with image data using up to 2,000,000 micro mirrors. While the DMD moves over the screen in sequence, the data scrolls continuously and results in perfectly seamless image production. As each of the mirrors represents one pixel, high speeds are possible and the imaging quality is exceptionally high. Resolutions of up to 2,540 dpi are possible.

DMD is the best light modulator for this application presently available on the market. Texas Instrument, the world leader in micro-mechanical mirror modulators, provides the DMD for the DLE system. With millions of systems in operation since 1996, the DMD is a state of the art technology that's proven in resilience and dependability.

DLE COMPARED TO OTHER SCREEN IMAGING METHODS

This process totally eliminates ink, wax, film, darkroom and the associated chemical and film processing, masking, retouching and taping of films.

The benefits are obvious: The screen is produced easier, faster, cheaper, at higher quality levels and with less production steps.

LED TECHNOLOGY

The new generation of DLE machines contains modern UV light sources. These LED light sources are integrated with multi wavelength technology. This improves the stability and the lifetime of the fully encapsulated light source drastically.

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TECHNICAL SPECIFICATIONS

MAXIMUM SCREEN SIZE Sizes up to 4 x 8 meter

please contact DOUTHITT for your exact requirements

power requirements 230 V single phase, 2.5 kVA
compressed air

machine speed up to 60 square meter / hour
depending on resolution

exposure system DMD-System with UV LED light source
resolution 500 - 2540 dpi

In line connection to screen developing system (automatic loading and unloading are available)

Autofocus system to compensate for various distances between mesh and headsystem

Remote access connection for easy service

Automatic calibration system

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