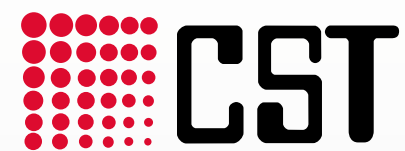




Applications

Automotive
Labels Security Industrial
Textile Sports equipment
Ceramic Membrane switches
Electronics Decals Glass
Graphic

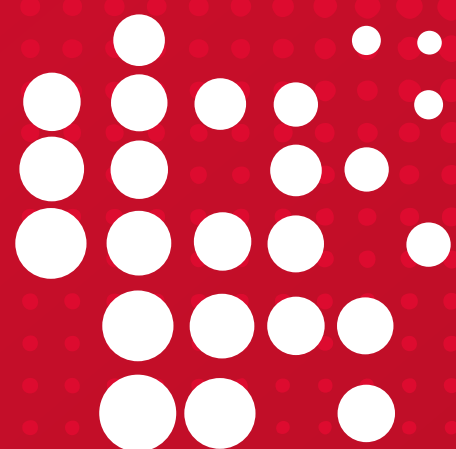


About

CST GmbH is the leading global supplier for state of the art screen imaging systems to the industry. Our technology provides the best possible solution for the most demanding applications. The new imaging system utilizing a DMD chip allows for various resolutions, very fast imaging speeds and low production costs. We deliver into more than 50 countries worldwide.

Our products

We manufacture systems to expose both, flat and rotary screens. Our machines are custom built depending on requirements of the customer application. We engineer for various resolutions, head systems and machine formats. We have built machines for flat screens up to 8 x 4,5 meters and 1,680 mm circumference rotary screens. Our machinery is designed for global production.



OUR COMPANY NETWORK



—SAATI

www.c-s-t.de · www.saati.com

CST GmbH
Königsberger Straße 117
47809 Krefeld · Germany
Tel. +49 2151 159 226 0
Fax +49 2151 520 329
E-Mail office@c-s-t.de

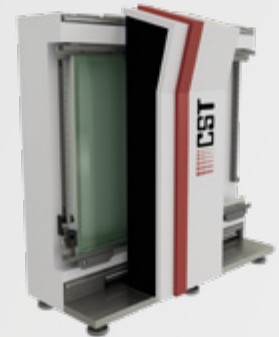
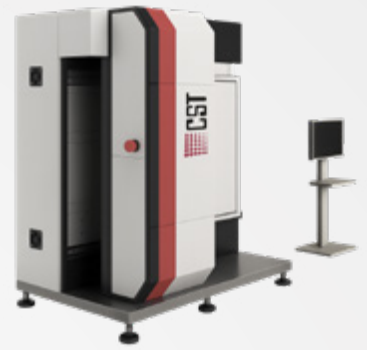
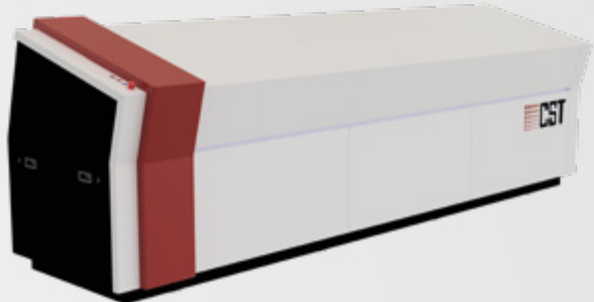
High performance products

You prefer, we provide.



CST DLE Product Line



							
	DLE NEW COMPACT	DLE VERTICAL	DLE LABEL	DLE ECO	DLE SMART	DLE ROTARY	DLE ROTARY+
PLATFORM	Vertical	Vertical	Horizontal	Horizontal	Vertical	Rotary	Rotary
FRAME CLAMPING	Pneumatic	Pneumatic	Manual/Vacuum	Manual	Pneumatic	Manual	Manual
IN-LINE AUTOMATION	Yes	Yes	No	No	No	No	No
SIZE MIN	0,5m x 0,5m	2,0m x 2,0m	0,1m x 0,1m	0,1m x 0,1m	0,5m x 0,5m	2,0m	2,0m
SIZE MAX	1,5m x 1,5m	8,0m x 4,0m	1,2m x 1,0m	3,0m x 2,0m	1,6m x 1,3m	3,5m	3,5m
RESOLUTION DPI	1270/2540	1000/1270	2400/5080	1000	880–12700/2400–25400	1000	2400
SD DMD CHIP (1024 X 768)	Yes	Yes	No	Yes	No	Yes	No
HD DMD CHIP (1920 X 1080)	Yes	Yes	Yes	No	Yes	No	Yes
CALIBRATION SYSTEM	Yes	Yes	Yes	Yes	Yes	Yes	Yes
REMOTE ACCESS	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DATA INPUT	Tiff 6.0	Tiff 6.0	Tiff 6.0	Tiff 6.0	Tiff 6.0	Tiff 6.0	Tiff 6.0
LIGHT SOURCE	Multi-Wavelength LED UV or Laser	Multi-Wavelength LED UV or Laser	Laser	Multi-Wavelength LED UV	Laser	Multi-Wavelength LED UV	Laser
POWER REQUIREMNTS	230V single phase, 2,5kVA	230V single phase, 2,5kVA	230V single phase, 2,5kVA	230V single phase, 2,5kVA	230V single phase, 3kVA	230V single phase, 2,5kVA	230V single phase, 2,5kVA
WORKING CONDITIONS	20-25° Celsius, Humidity 40-70% not condensing, dust-free environment	20-25° Celsius, Humidity 40-70% not condensing, dust-free environment	20-25° Celsius, Humidity 40-70% not condensing, dust-free environment	20-25° Celsius, Humidity 40-70% not condensing, dust-free environment	20-25° Celsius, Humidity 40-70% not condensing, dust-free environment	20-25° Celsius, Humidity 40-70% not condensing, dust-free environment	20-25° Celsius, Humidity 40-70% not condensing, dust-free environment
APPLICATION	Industrial/Textile	XL Format/XXL Format	Industrial	Industrial/Textile	Industrial/Textile	Textile	Textile

Special shapes and sizes on request.

Tel. +49 2151 159 226 0
Fax +49 2151 520 329
E-Mail office@c-s-t.de

Technology

DIGITAL MIRROR DEVICE (DMD)
A Digital Mirror Device (DMD) modulates ultrahigh power UV light with image data, using up to 2,000,000 micro mirrors. While the DMD moves across the screen surface in sweeps the data scrolls continuously and results in perfectly seamless image production. As each of the micro mirrors represents one pixel, high speeds are possible and the imaging quality is exceptionally high. Resolutions of up to 5.000 dpi are possible.

DMD is the best light modulator for this application presently available on the market. Texas Instruments, the world leader in micro-mechanical mirror modulators, provides the DMD for the DLE screen imaging system. With millions of systems in operation since 1996, the DMD is a state of the art technology which is fail-safe and proven in reliability.

