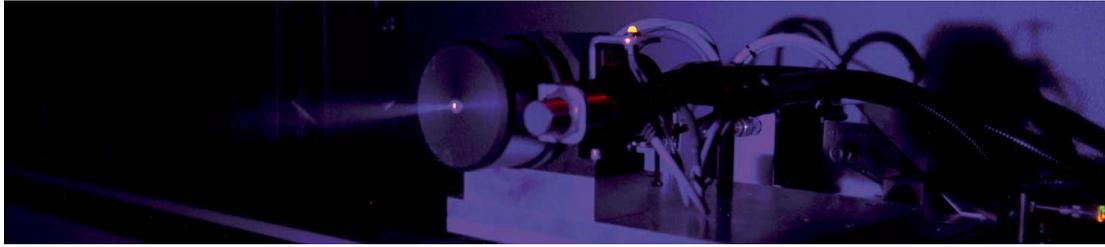


CSK Digital Blue Ray UV Laser screen engraving system





CSK Blue Ray UV Laser Screen engraving system

The blue ray UV laser exposure integrates the advantages of the optical exposure of a screen with those of the digital laser technology. The screen made by multi-beam blue Ray UV laser is coated with a photo-sensitive emulsion. CSK RS series blue Ray UV laser screen engraving system carries out the exposure by hardening the photo sensitive emulsion covering the non-image areas of the emulsion by laser, while the screen revolves at high speed. Thanks to a very focused and steady UV-laser system the image is created by direct exposure in a single step with great accuracy.

As a result of low power input, no water cooling is necessary. With the multibeam blue Ray UV laser exposure is in aspects a superior technology.

The software of this machine is completely user-friendly. It uses Windows-based multitasking software with an easy-to-understand user interface.

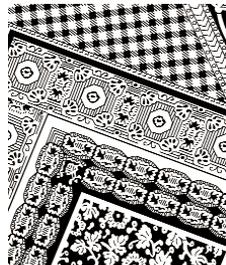
The language can be selected. The "job manager" feature control the input of the engraving data. A selection of "production processes" corresponds to the mesh types used and ensures best quality and reproducibility. The status of the screen imaging process is continuously displayed on the monitor.

Thematic Focus

PRODUCTIVITY



SHARPNESS



ENCONOMICAL



ECO-FRIENDLY

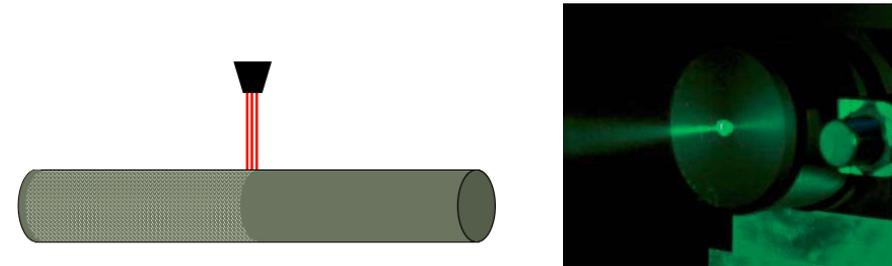


ADVANTAGES of the blue Ray UV Laser:

- fast speed,8-12min for 2000*640 screen engraving
- superior quality at an economical price
- low cost, no ink no wax no film consumption
- finest image detail lines, smooth halftones, geometrical designs
- greater stability and low maintenance

What's the blue Ray UV laser exposing?

Exposing of the negative image of a printing form by mean of a number of laser diodes.



Screen has to developed and polimerized after the exposing process

Technical specifications

	RS-2200	RS-3500
Laser	405nm LD blue Ray UV Laser	
Exposure resolution(Adjustable up to 2540dpi)	254 - 720 dpi	254 - 720 dpi
Exposure time (R640/1980)	8min. ~ 12 min. (4-6min/M)	
Lacquer used UV sensitive standard	UV sensitive standard*(CSK-9809 Photo emulsion)	
Repeat size	640 - 1018 mm	640 - 1018 mm
Screen length	≤2200 mm	≤3400 mm
Supported file formats	.tif .bmp .png .pdf .mng.ico,tga,pcs and so on	
Ambient conditions	clean and air conditioned dark room with yellow light wavelength ≥575	
Room temperature	15 - 28 °C	15 - 28 °C
Relative air humidity (non-condensing)	20 - 80 %	20 - 80 %
Dimensions / Weight RS2200 LxWxH:	3600 x 650 x 1300 mm / 1000 kg	
Dimensions / Weight RS3500 LxWxH:	5100 x 650 x 1300 mm / 1500 kg	

Analysis of Engraving cost :

The follow Analyze according to above table : If the Printing Mill needs 1500pcs rotary screens per month, total 18000pcs per year.

The calculated based on 2000*640mm screen, The pattern is based on width of 1650mm.

Way of Engraving	Blue Ray UV Laser	CO ² Laser Engraver	Wax-jet Engraver	Ink-jet Engraver	Film and exposure machine
pattern precision	fine	fine	fine	ordinary	fine
Time required	10min	50min	20min	20min	20min
gross power	2.5kw	7kw	3kw	3kw	4kw+5kw
Cost of water , electricity and gas	USD 0.1/PC	USD 1.0/PC	USD 0.15/PC	USD 0.15/PC	USD 0.20/PC
Cost of Photo emulsion	USD 1.5/PC	USD 1.5/PC	USD 1.5/PC	USD 1.5/PC	USD 1.5/PC
medium	no	no	wax	ink	Film
Price of main parts	LD:USD320.00/PC	CO ² Laser beam: USD 24000.00/PC	Nozzle: USD 5600.00/PC	Nozzle: USD 800.00/PC	no
Cost of medium	no	no	USD 2.40 /PC	USD0.50/PC	USD4.50/PC
Main cost of materials	USD0.04/PC	USD0.80/PC	USD0.65/PC	USD0.15/PC	USD0.02/PC
Longevity of main parts	LD:20000hours	CO ² Laser beam:20000hours	SPECTRA Nozzle 180days	EPSON Nozzle:180days	Laser pipe and exposure pipe: 360days
Total cost of each screen	USD1.64/PC	USD3.30/PC	USD4.70/PC	USD2.30/PC	USD6.22/PC
Total cost of each year	USD 29520.00	USD59400.00	USD84600.00	USD41400.00	USD111960.00
Save cost of year	-----	USD -29880.00	USD -55080.00	USD -11880.00	USD -82440.00



Yours Satisfaction is Our Goal!

CSK Service offers fast and full support for any request you may have. You will profit from our long-term experience and our highly qualified team. Continuous improvements guarantee reliable and sustainable success for your business.

The CSK Service Organization offers:

- direct customer support
- area coordinators as the responsive partners to our customers
- experienced and certified service engineers
- world-wide to provide spare parts and support
- serve our customers with all service & support inquiries

The Products

- Installation and start-up
- Flexible customer training & Maintenance training
- Modular maintenance& service contracts
- Original spare parts
- Remote diagnostics

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