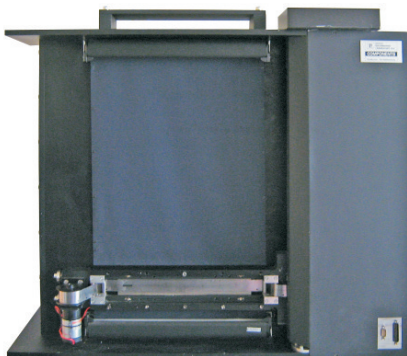## GENERAL INFORMATION

Update your mastering capabilities

Computergraphics and digitally manipulated images are common nowadays. In order to best realize your clients' ideas, you need a holographic setup which can handle this input.
Dutch Holographic Laboratory B.V. (DHL), known world wide as a supplier of high quality holograms and innovative holographic products, can supply you with a powerful, new holographic production tool: the Digital Full Color Holoprinter©.

The DHL Digital Full Color Holoprinter© will greatly expand and update your mastering capabilities. This fully digital system combines several holographic techniques to produce the highest quality photoresist masters - ready for embossing. Using this system, holograms can be created from a variety of sources:
A series of photographs (MPGH), video footage (VAH), computer generated graphics (CGH), graphic art for 2D/3D - or even from combinations of these inputs. The Pentium processor makes it possible to use the DHoX holoprinter programs formerly restricted to expensive SGI workstations, with more affordable, user-friendly personal computers.This substantially decreases system cost; Estimated break even point is 15 - 20 mastering jobs. Digital images can be fabricated using your own 3D CAD software or DHL Holoedit.
Imagine the possibilities!

DHL DFCH Holoprinter©
20 x 25 cm mastering
H1-holder
Automatic colorband switch
Parallax slit

DHL DFCH Holoprinter 30 x 40 cm mastering

TECHNICAL INFORMATION

2D/3D Holograms:
Put 2D computer graphics in full color at up to 6 different depth levels to create full color 2D/3D holograms.

Video Animated Holograms (VAH):
The only method with which your client can integrate up to 5 seconds of animated video in printed matter.

Multiple Picture Generated Holograms (MPGH):
Use the DHL Holotrack to record people or objects. Any desired background can be added using colorkeying.

Computer Generated Holograms (CGH):
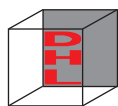Create holograms of 3D computer graphics by the use of the optional Blender plugin.

Anti Counterfeit Holograms (ACH):
Combine all above techniques to create unique security features in your holograms.

Advantages

- Mastering: CGH / MPGH / VAH / 2D/3D

- All digital process

- No litho's required

- Full Color rainbow photoresist masters

- Printing quality undistinctable from slides/film

- User friendly PC-based DHoX HoloStudio Suite

- Powerful videograb software (22 Mb/sec)

- Estimated break even point 15 - 20 jobs

- Fully automated printing process, easy to operate

- One table for both mastering / transferring

- Flexibility because of the modular design

FOR FUTHER INFORMATION CONTACT
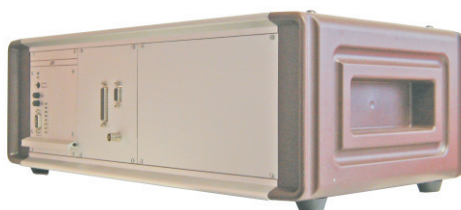DUTCH HOLOGRAPHIC LABORATORY B.V.

GENERAL INFORMATION

Unix based Personal Computer
acquisition & Image processing:

Pentium 1024 Mb ram,

video grabcard (25 frames/sec),

250 Gb Harddisk ,

17" flatpanel monitor
network adapter

DHoX HoloStudio Suite Software

- HoloGrab
- FrameSequencer
- HoloEdit
- HoloPrint
- HoloTransfer
- DHoX HoloStudio Suite On Line Manual

Single axis steppermotor controller
single axis steppermotorcontroller for the moving parts of the dfch-holoprinter.

FOR FUTHER INFORMATION CONTACT
DUTCH HOLOGRAPHIC LABORATORY B.V.