

Hologram Recording Media  
Test System  
[Collinear Method]

# SHOT-1000

## Standard Holographic Optical Tester



### SYSTEM OUTLINE

The Collinear Holographic Media Evaluation System, SHOT-1000, is for test equipment to record/playback the page data on holographic recording media(sample) of light-sensitive material with collinear method.

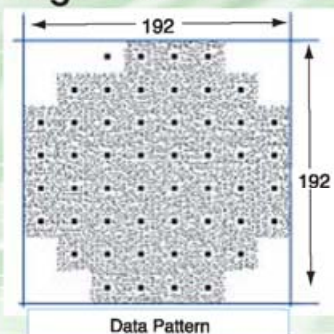
ECMA, the international standards organization, has founded Technical Committee 44(TC44) to establish the standardization of holographic recording disc based upon Optware Corporation's patented Collinear Holographic Technology. Pulstec obtained the license of this technology from Optware and started the sales of this SHOT-1000 system to domestic/international manufacturers and developers of disc material, media, and related optical disc products.

### SPECIFICATION

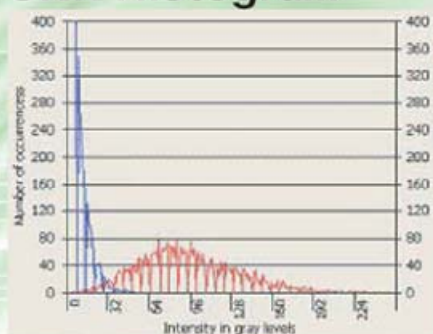
- Recording Method: Collinear Method
- Recording・Replay Laser(Nd:YVO4)532nm
- Semi-conductor Laser for Focus Servo 650nm
- DMD is used for spatial light modulation device.
- High-performance CMOS sensor is used for detector.
- Page Data of Hologram is 192 X192
- Objective Sample: □50 x 50mm t=1.1~1.7mm
- Laser class : 3B
- Power supply : AC100V 5A
- Dimension :
 

Mechanical unit	740 (W) × 550 (D) × 330 (H)
Main unit	570 (W) × 680 (D) × 1300 (H)

Page Data Pattern



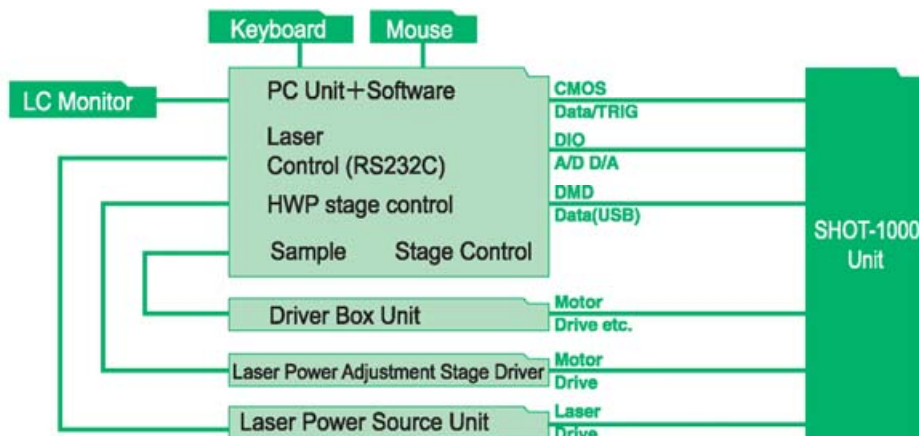
SNR Histogram

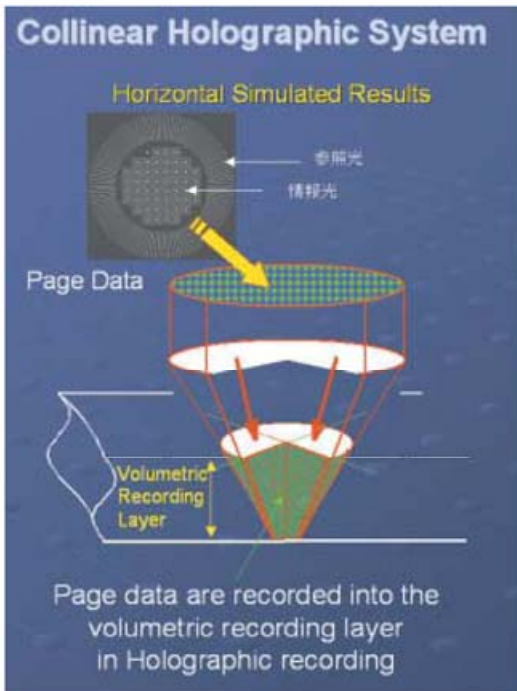


### FEATURES

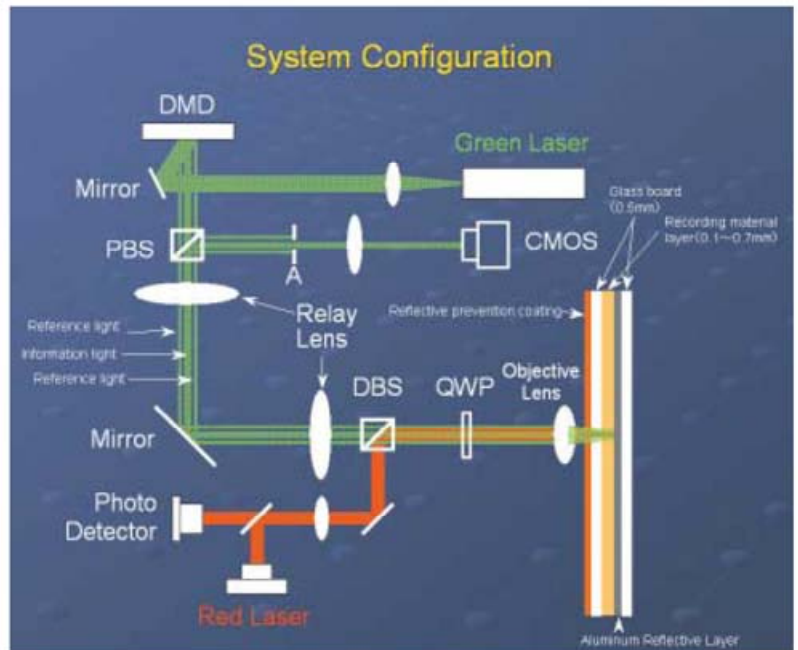
- Record/Playback the page data pattern
- SNR Evaluation
- Error Rate Evaluation
- Error Map Evaluation
- Concentration Histogram Evaluation
- Recording Power Margin Evaluation
- Tilt Margin Evaluation
- Defocus Margin Evaluation
- Cross-Talk Evaluation

### BLOCK DIAGRAM

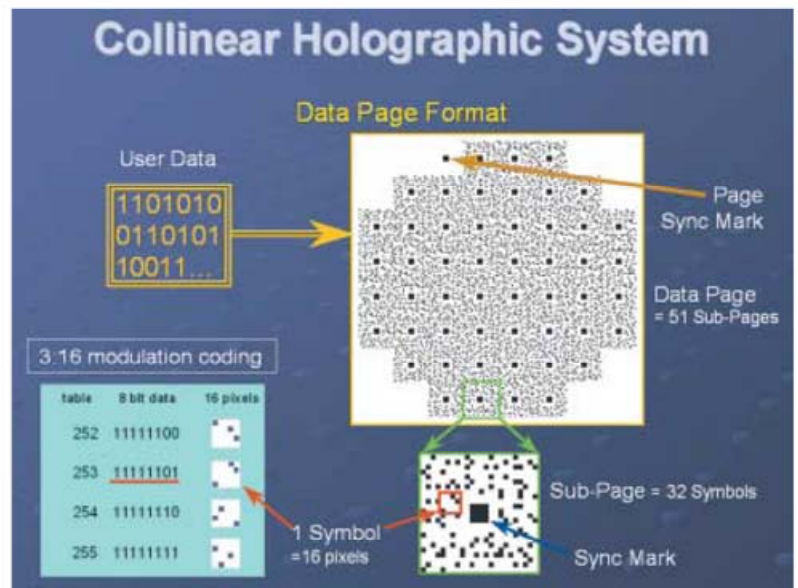




**Page Data Format & Coding**



**Collinear Holography Optics**



**Data Recording Mechanism**

\*Please be noted that this specs may change without prior notice.



Pulstec Industrial Co.,Ltd

■ Head Office  
7000-35, Nakagawa, Hosoe-cho, Kita-ku,  
Hamamatsu, Shizuoka Pref.,  
431-1304 Japan  
TEL +81-53-522-3611  
FAX +81-53-522-3666

■ Europe Office  
Office 18, 12 Devon Place, Newport,  
South Wales, NP120 4NN, UK  
TEL +44-7867-972860

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