

# Medical Line Disc

In order to ensure optimal efficiency and consistent product quality, RITEK, the world's leading manufacturer of optical media and producer of the first Blu-ray Disc in Taiwan, selects superior materials and applies world-class automated production management systems towards manufacturing its unique discs. RITEK Medical Line Discs are revolutionarily designed with better compatibility, stability, higher quality and durable preservation qualities.



For the Medical Institutions RITEK has designed and certified a special Medical Line, (MD Line) specifically according to the requirements of this Medical application.

RITEK Medical Line discs use an exclusive high quality Phase material in the recording layer that ensures reliable recording and playback. With the high quality organic dye, RITEK disc provides best durability to store and protect important data for long life. Especially designed for Scientific, Research, High quality performance, and other professional use.

- 1 Patients' Cases, Medical data of Hospital
- 2 Bank
- 3 Wedding photography
- 4 Architects
- 5 Graphic designers
- 6 Interior designers
- 7 Businesses and the accounting department
- 8 Public authority units
- 9 Educational institutions

## Inkjet Printable Discs

RITEK Inkjet Printable disc is unique for full-surface edge-to-edge printing. Its printable surface offers superior fast-drying ink absorption for clear text and high-resolution photo-quality images. These printing options strive to accommodate both a professional's artistic vision and convenience while maintaining the integrity of the disc's data.



## Thermal White Printable Discs

Thermal Printable Media, utilize that a high-resolution print head heats the ribbon positioned on the surface of the disc to create a permanent ink-to-disc bond. RITEK Thermal printable disc provides the perfect surface for clean, crisp image reproduction. They are designed for and single or spot color labels, such as sermon titles, dates and logos and other descriptive information, as well as high end photographic quality and process color printing.



## Feature:

- CI < 100 (CD-R)
- PI SUM8 < 200 (DVD-R)
- SP (Fully Metalined)
- Dedicated Production Line

## CD-R Specification

Item	Ritek Spec. or Ability	Remarks	Instrument
Eccentricity	$\leq 50\mu\text{m}$	<b>Writing by</b> <b>LITE-ON _52327</b>  <b>48X~52x</b>	<b>CD-CATS</b>
I3/Itop (I3R Avg.)	0.3~0.7		
I11/Itop (I11R Avg.)	$\geq 0.60$		
BLER (Avg.)	<50cps		
BLER (Max.)	<200cps		
E32tot	=0		
3T Pit (Land) Jitter	$\leq 45$ ns		
11T Pit (Land) Jitter	$\leq 45$ ns		
Ppa(Push-Pull)	0.08 ~ 0.12		
Cross Talk	<50%		
Reflectivity ( $R_{\text{top avg.}}$ )	$\geq 60\%$		
RN	<30		

## DVD-R Specification Recorded Characteristic

Item	Specification	Remarks	Instrument
I3/I14(Resolution)	>0.15	<b>Writing by</b> <b>TEAC-W5600</b>	<b>DVD-CATS</b>
I14/I14H(I14Modulation)	>0.6		
PI SUM8 (max)	<160		
POF	=0		
Bottom Jitter	<10% (1)		
Reflectivity	45~85%		

(1) The book spec of bottom jitter is '<8%', but this spec is defused by playability data.

## Pre-recorded Characteristic

Item	Specification	Remarks	Instrument
PI SUM8 (max)	$\leq 200$		<b>DVD-EXPERT</b>

## RITEK Medical Line:

- CD-R Printable White Medical Cake 50pcs
- CD-R Thermal White Medical Cake 50pcs
- DVD-R 16X Printable White Medical Cake 50pcs
- DVD-R 16X Thermal Medical Cake 50pcs



Sharing The Right Technology



RiTEK Europe/ Conrexx Technology BV

T. : +31 - 1804 - 41666 F. : +31 - 1804 - 41667

E: sales@ritek-europe.com

Website: <http://www.ritek-europe.com/>

Keurmeesterstraat 24 , 2984 BA Ridderkerk The Netherlands