ТареСhek[™] 4150 Magnetic Videotape Analyzer

SPECIFICATIONS

Magnetic Defect Detection

Recording: Full width long life ferrite record head, precise recording at 300 K Hz.

Sensing: High resolution, 24 track sensing with dual staggered ferrite playback head stacks. Detects relative dropouts corresponding to: 10 to 99 percent signal loss (user

selectable), for 10 to 100 microseconds duration (user selectable).

Format: 1/2 inch width, VHS, S-VHS or Beta (non-metal tapes). Models available

for other formats.

Displays: CRT color graphic display of relative dropout counts and locations for the entire tape, in scales from 1 meter per division to 500 meters per division. Also displays (Instant Accept/Reject)

> patch display, and bar graph display.

Printout: Provides hard copy report of relative dropout counts and locations in the

tape.

Electronics: All solid state. 5 microprocessors for

transport, tension control, defect detection (2) and CRT data display.

Tape Transport

Tape Speed: 200 IPS (5 meters per second).

Pancake Size: Up to 17 inches in diameter.

Format: 1/2 inch width. Models available for

other formats.

Tape Precision (2 micro-inch finish) ball Guidance: bearing rollers; no stationary guides

touch tape oxide.

Transport Two motor drive, microprocessor

System: controlled speed and tension; automatic end-of-tape shutoff.

Sensing: High frequency, infrared beam

system controls end-of-tape

functions.

Braking: Controlled deceleration with supple-

mental electro-magnetic disc brakes.

Controls: Numeric keypad entry. Push-button

transport and display controls.

General

Cabinet: All metal cabinetry.

Machine: 42"H x 25"W x 20"D. Storage Base: 26"H x 25"W x 20"D.

Power: 117 VAC, 60 Hz, 5 Amperes standard

220/220/240 VAC, 50 Hz, optional.

Optional RS-232-C data output port permits transferring the 4150 Interface:

dropout data to other computers

or printers.

Models are available for other tape formats. Contact RTI for details.

Engineered and Manufactured in U.S.A.

For details and prices

CALL TOLL FREE 800-323-7520

In Illinois Call 800-851-4028. From Alaska, Hawaii or outside the U.S.A., call 312*-677-3000.

*After November 11, 1989 Dial Area Code 708



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ТареСпек[™] 4150 Magnetic Videotape Analyzer

Identifies Problem Bulk Video Pancakes Before They Cause You Problems!

THE PROBLEM:

Bulk video pancakes will often vary in quality within the same batch. All are subject to edge damage, loose oxide, dust and dirt due to manufacturing and handling problems. These problems result in excessive dropouts. Whenever you record, load or ship defective or dirty tape, you lose quality that can cost you time and money.

THE SOLUTION:

RTI TapeChek Model 4150 Magnetic Videotape Analyzer identifies defective pancakes prior to loading and recording. By pinpointing these tapes, the 4150 saves you money, improves your efficiency...and the quality of your finished product.

MODEL 4150 FEATURES:

- Electronically locates and tabulates defects in bulk videotape pancakes that result in dropouts
- Saves you time and money by identifying defective tape before you load, record or ship
- 100% tape width coverage assures complete and reliable evaluation
- CRT display shows the condition of the entire tape at a glance, plus detailed "segment" sections
- Five microprocessors control all machine functions to ensure fast and efficient operation
- Built-in printer provides permanent tape analysis reports
- Cost-effective high speed automatic operation
- Optional RS232-C port for external computer interface

LOADERS—

Know for certain you're using good tape

DUPLICATORS—

Check bulk video pancakes before you duplicate

TAPE MANUFACTURERS—

Test your end product before you ship

AND—ANY OTHER APPLICATION—

Where top tape quality is crucial





From the Video Engineering Labs of RTI... TapeChek™ 4150 magnetic Videotape Analyzer

This Fast Cost-Efficient Tool Will Help You to Achieve Top Quality in Your Videotape Duplicating, Loading or Manufacturing Operation

COMPUTER GENERATED COLOR DISPLAYS

report analysis results for the entire video pancake. For a closer look, different scales may be selected, from 1 meter per division to 500 meters per division.



INSTANT ACCEPT/REJECT "PATCH" DISPLAY

Simple and easy to read. Grades tape "good or bad" according to your own quality standards.



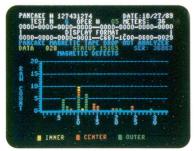
COLOR CODED **BAR GRAPHS**

display dropout analysis for each section of the tape. Tape can be analyzed in 1 meter to 500 meter segments.



SET-UP MENU

guides the operator in selecting the maximum acceptable dropout count per meter of evaluated tape.



MACHINE DIAGNOSTICS PROGRAM

provides engineering and maintenance personnel all information needed for quick, simple troubleshooting.

COMPREHENSIVE PRINTED REPORT

Built-in printer provides a hard copy report of the analysis results in an easy-tointerpret columnar format. The printout identifies video pancake number. operator number, date, test number. tape length, dropout criteria, number of meters of tape rejected, totals and locations of dropouts for inner, center, and outer "tracks."



ALSO AVAILABLE:

MODEL 4150-C

Same features as TapeChek Model 4150, with cleaning and polishing option installed. Precision sapphire burnishers polish tape oxide for improved performance. Automatically advancing cleaning tissues with vacuum system remove oxide, dust and debris.

MODEL 5250

Designed for cleaning and evaluating video pancakes and pre-recorded "mirror mother" masters. Cleans and polished tape while it optically evaluates videotape pancakes for physical tape defects. Does not effect recorded programming. Reduces head clogs. Extends the copy rate of the master.

