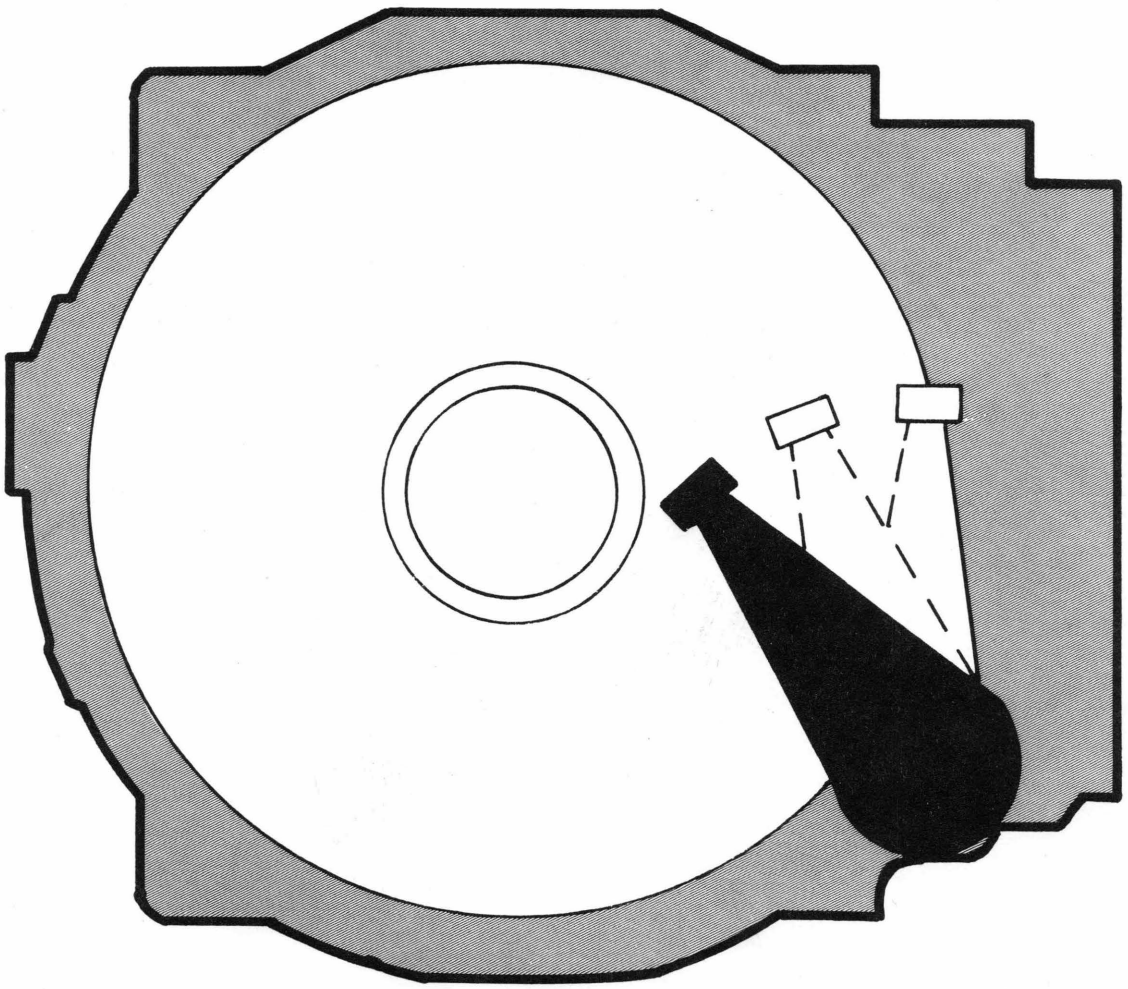
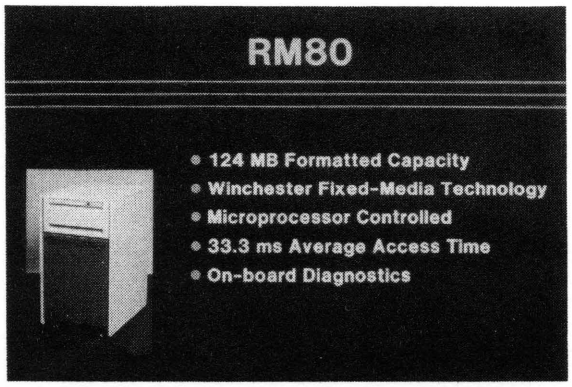
RM80
DISK SUBSYSTEM
SLIDE NOTES



digital

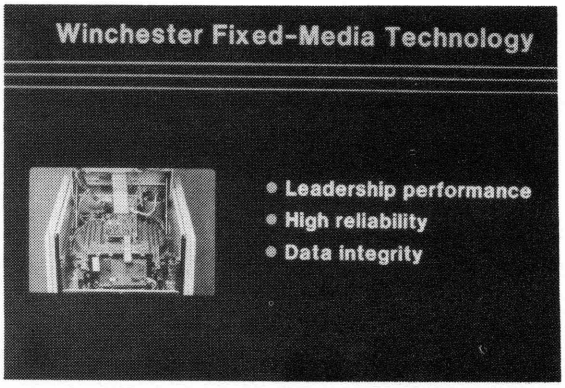
SLIDE 1
INTRODUCTION TO RM8Ø

- The RM8Ø is:
  - Digital's first fixed media Winchester Technology disk drive.
- The RM8Ø is a medium capacity disk drive featuring:
  - Leadership performance
  - data integrity
  - high reliability
  - excellent maintainability
- The RM8Ø can be either a system or data device that attaches to:
  - VAX 11/75Ø
  - VAX 11/78Ø



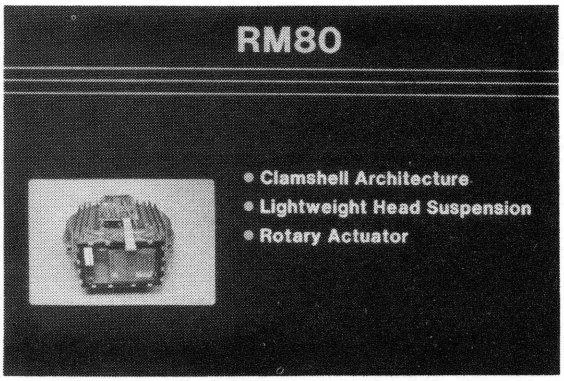
SLIDE 2
CAPACITY, TECHNOLOGY AND PERFORMANCE
The RM8Ø has

- 124 MByte formatted capacity
  - 85% increased capacity over the RMØ3
  - 48% capacity of the RMØ5
- Winchester Fixed Media Technology
  - lower price/MByte due to increased recording densities
- Microprocessor Controlled
  - controls major drive functions and fault isolation diagnostics
- 33.3 ms Average Access Time
  - 5 msec faster than RMØ3
- On Board Diagnostics
  - ease of maintenance
  - fast problem isolation



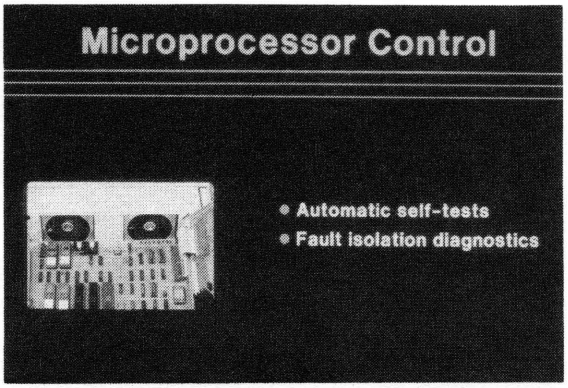
SLIDE 3
WINCHESTER FIXED MEDIA TECHNOLOGY

- Leadership performance
  - Winchester Technology allows improved performance due to both higher recording densities and more efficient head positioning
  - RM8Ø offers fastest access time for a mid-range capacity disk
- High Reliability & Data Integrity
  - superior reliability and data integrity resulting from use of sealed media concept and improved head design
  - low maintenance expense due to high MTBF, and elimination of field head alignment and scheduled preventive maintenance



SLIDE 4
HEAD DISK ASSEMBLY (HDA)

- Clamshell Architecture
  - high structural stiffness versus weight resulting in high data integrity
- Lightweight Head Suspension
  - high performance versus weight and cost
- Rotary Actuator
  - provides reduced access time



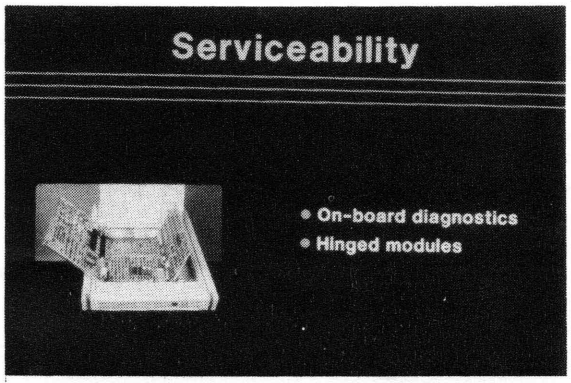
SLIDE 5
MICROPROCESSOR CONTROLLED

. Automatic Self-Test

- RM8Ø self-tests run automatically during power-up cycle
- operator is notified of fault conditions via control panel indicators
- enhances reliability since early problem detection can prevent the occurrence of serious hardware degradation

. Fault Isolation Diagnostics

- fault detection and isolation can be done independent of the host computer thus allowing maximum system availability
- execution of diagnostic routines is performed via easy to use thumbwheel switches located on the RM8Ø's microprocessor module
- fault codes are displayed via LED indicators



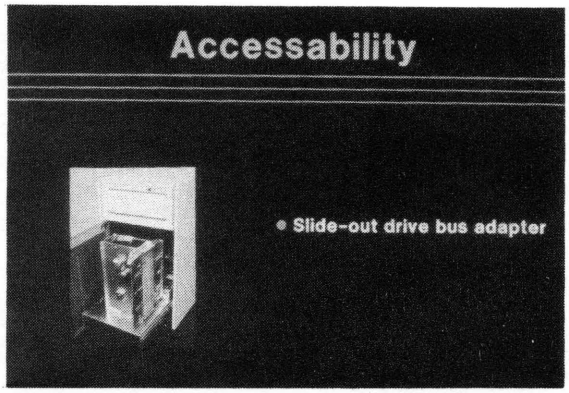
SLIDE 6
SERVICEABILITY

. On-Board Diagnostics

- facilitates a service philosophy of intelligent module replacement
- in most cases, problems can be isolated to a single field replaceable unit
- the result is higher system availability and lower MTTR

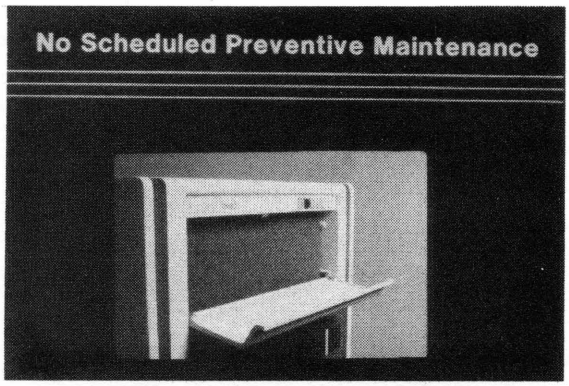
. Hinged Modules

- the RM8Ø's three major circuit modules are hinged mounted to open like a book for easy access and compact storage



SLIDE 7
ACCESSABILITY

- Slide-Out Drive Bus Adapter
  - easy access to modules
  - lower MTTR



SLIDE 8
NO SCHEDULED PREVENTIVE MAINTENANCE

- The RM8Ø requires no scheduled preventive maintenance by Digital personnel.
- Periodic inspection and maintenance of the RM8Øs foam air filter can be performed by customers.
- The RM8Ø foam air filter is easily accessable for periodic inspection and maintenance by the customer.