Western Digital HDD BU

Library of Congress

Designing Storage Architecture Conference
Data Creation Continues Unabated
HDD Remains Key to Our Customers Delivering at Scale

2.2x
Projected Worldwide Data Creation Increase
2022 - 2026

~4% of data created is stored (as of 2021)

2000 - 2021
364 ZB

2022 - 2026
776 ZB

Source: Worldwide IDC Global DataSphere Forecast, 2022-2026
Western Digital Has Defined the HDD Industry
WDC HDD Recording Schemes & Formats

- **CMR**
- **SMR**
- **UltraSMR**

**PMR**
- Perpendicular Magnetic Recording

**ePMR**
- Energy-Assisted Perpendicular Magnetic Recording

**HAMR**
- Heat-Assisted Magnetic Recording
We Are Delivering on Our Promise
Industry Capacity Leadership with 22TB & 26TB Drives

Built on Multiple Recording and Drive Technology Innovations

- CMR
- SMR CMR +10%
- UltraSMR CMR +20%
- ePMR >1.1Tb/IN²
- ePMR 2 >1.3Tb/IN²
- HAMR >2Tb/IN²

CAPACITY // PERFORMANCE // RESILIENCE

OptiNAND
Our Three Technology Pillars
Building the Future Innovation Framework

ADC Leadership
Sustainability Focus
Innovations for Zettabyte Growth