



# An In-depth Examination of OSD (Optical Super Density) Technology

David J. Kalstrom  
Maxoptix Corporation  
3342 Gateway Blvd  
Fremont CA 94538

Phone: +1-510-353-9700; FAX: +1-510-353-1845  
e-mail: [dkalstrom@maxoptix.com](mailto:dkalstrom@maxoptix.com)

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# Summary of Presentation

- ▶ What is OSD?
- ▶ Comparisons with Other Technologies
- ▶ Development Partners
- ▶ Conclusions

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## What is OSD?

- ▶ OSD is a combination of Several Technologies:
  - OCIR (Overcoat Incident Recording)
  - Surface Array Recording [Allows Dual Actuators]
  - Recessed Objective Lens
  - Magnetic Field Modulation
  - MSR (Magnetic Super Resolution)
- ▶ To be utilized in Products introduced in late 2000

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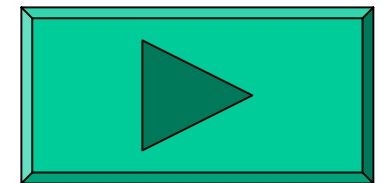
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## Key Features

- High-capacity Removable Disk Cartridge (up to 40GB or more next year)
- Offers Magneto-Optical High Reliability, Ruggedness, and Performance
- Offers Cost/GB comparable to DLT and LTO Tape
- Cartridge dimensions same as 5-1/4" MO; can be used in current robotic libraries.



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# Development Partners

- ✓ **Media: Mitsubishi Chemical (MCC)**
- ✓ **Optics: AOC-Pentax**
- ✓ **Heads: Lafé Group**
- ✓ **LSI: Qlogic, Hamamatsu, TI/SSI, Elantac**

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## Conclusions

- Applications for OSD will include:
  - Back-up / Restore / Disaster Recovery
  - SANs
  - Internet Auxiliary Storage
  - Audio/Video Storage
  - Archival Storage
- Product Launch by end of 2000

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