Preservation Matters

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www.cuneiformtech.com
Your Data “Sealed in Steel”

• Steel as a medium
  – Stainless steel has a proven track record
    • Chrysler Building
    • Gateway Arch
    • Niagara Hudson Building
  – We start with a .01 mm thick, 19 mm wide by 300 meters long, band of 316 type stainless steel
Stainless Steel Band
Loaded in Magazine

• Two types of archive magazines:
  – ABS plastic
  – Stainless Steel with hermetic seals

• Optimized for library automation

Patents Pending
Proving the Concept

Single Shot per location, Laser Energy- 1.6 mJ/pulse, Center Wavelength – 775 nm, Pulse Duration – 150fs, Spot size about 100 um.
Magazine inserted in Reader/Writer Transport

- Automated or manual insertion into transport
  - ‘Picker’ friendly tabs and coding
- Transport uses generic 1000 base-T & fiber interface
- Industry standard transport size

Patents Pending
Steel Band Inside Transport

- Precision guidance of band and self adjusting positioning, locks written format in place
- Data ‘pits’ are written by a Femtosecond laser
- The reader does not use the laser scanner
- Stand-alone readers can be low cost
- Low risk proven technologies

Patents Pending
Key Advantages of Cuneiform

- Migrations Can Move Out 10x in time
- System Components Are Proven
- Best of both worlds *Permanence* with *Access*
- The Most Cost Effective Permanence Solution
- Backward Compatibility Guaranteed
  - Generation 1 can be read on generation N
- Environmentally superior media
  - Immune to: Floods, Fires & EMP
  - Stainless Steel – Hermetically Sealed Magazine as option
Our Challenges

- We Disrupt the Storage Hierarchy
- Eliminate Migrations in Tier 3 & 4
- Rethink Workflow
- We are Looking for a Partner Willing to Advance the state of Preservation