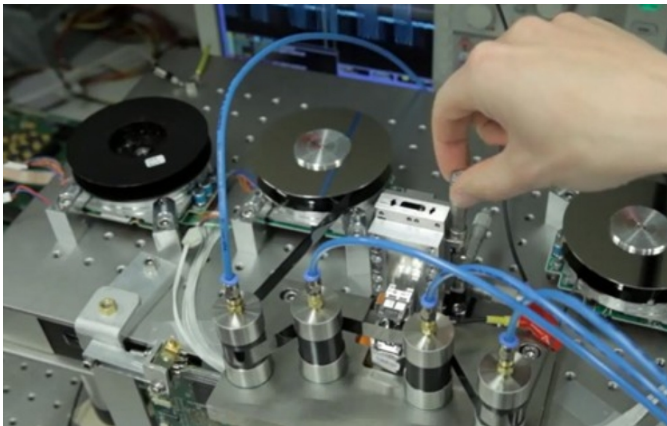


IBM, Fujifilm Collaborate Storage Tape

Written by Marco Attard
22 May 2014

IBM and Fujifilm announce a team-up in super-dense magnetic tape storage-- a "linear magnetic particulate tape" with storage density of 85.9 billion bits per square inch, or 154 terabytes on standard LTO cartridge.



Current LTO6 cartridges hold a maximum of 2.5TB.

Currently in prototype form, the tape features Fujifilm's NANOCUBIC barium ferrite (BaFe) fine-grinding techniques paired with an IBM tape head with fine enough control to position over the tape with nano-scale accuracy.

The two companies also make use of algorithms for reliable operation even with an ultra-narrow 90nm wide giant magnetoresistive (GMR) reader.

"Secure and reliable storage remain critical considerations in today's market," Fujifilm says. "Together with our partners at IBM, we have been able to create the basis for extraordinary data density on tape that is fast, cost effective and energy efficient— characteristics that benefit every organisation."

Neither IBM nor Fujifilm gives word on when the tape will actually be commercialised.

Tape storage appears to be coming back in fashion, in no small part due to the massive

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amounts of storage big data technologies demand. For instance [Sony is also working on a tape storage innovation](#), one promising capacities of up to 185TB per cartridge.

Go [Fujifilm Achieves Data Storage Record on Advanced Prototype Tape](#)