

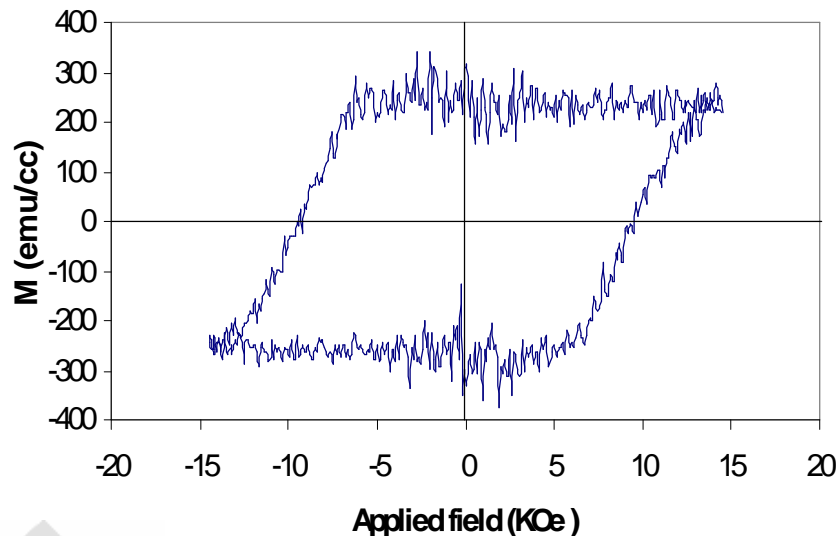
Co/Pd Multilayers for Perpendicular Magnetic Recording Media

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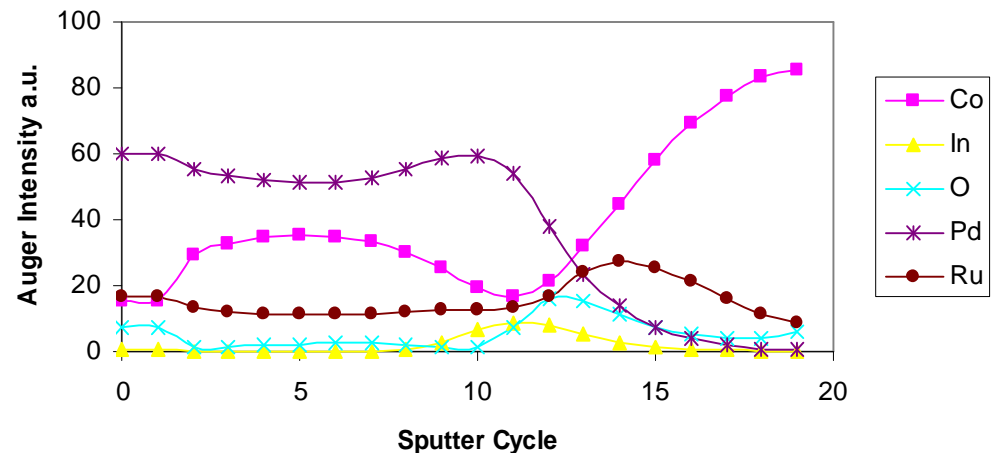
I Co/Pd multilayered media

- u Possess high anisotropy, high coercivity, high squareness, and large negative nucleation fields.
- u InSn seedlayers increased coercivity from ~5kOe to 12.2kOe.
- u Oxygen can be used to vary important parameters



I Observations

- u Auger sputter depth profile shows the element distribution in the multilayer.



- u Small Grain Size: Grain size was 11.7nm +/- 14.9%.

I Publications

- u N. Speetzen, X. Huang, B.J.H. Stadler, R.H. Victora, Accepted J Appl Phys (Sept 2005).
- u N.J. Speetzen, B. J. H. Stadler, J. Appl Phys **97**, 10N118 (2005).
- u N. Speetzen, B.J.H. Stadler, E. Yuan, R.H. Victora, X. Qi, J.H. Judy, N. Supper, and T. Pohkil, (Invited) *J Magn Magn Mater* **287**, 181-7 (2005).