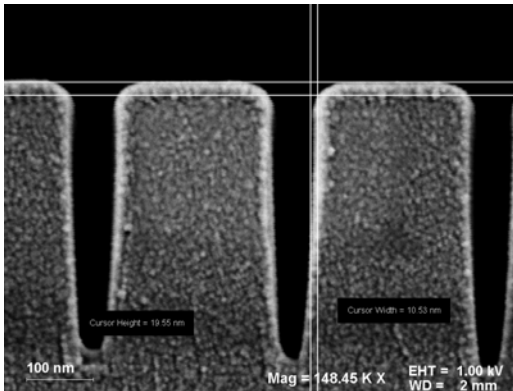


MVD[®] Process Services

Molecular Vapor Deposition (MVD[®]) films are available for your development and product manufacturing without having to own a deposition system

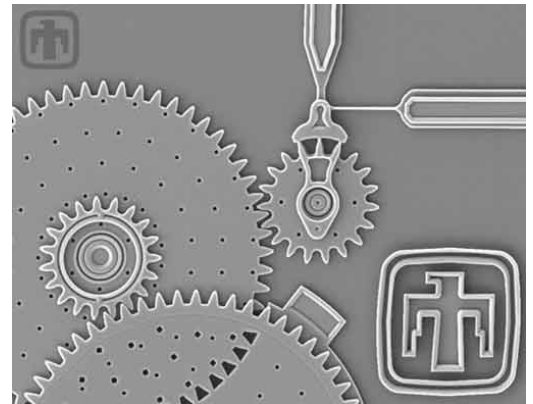
MVD[®] film types

- Hydrophobic / hydrophilic
- Oleophobic / oleophilic
- Self healing
- Lubricant / Anti-stiction
- Low temperature oxide
- Corrosion resistant
- Moisture / oil barrier
- Adhesion promoting / priming
- Release layer
- Bio-compatible / bio-reactive
- Functionalized
- Conformal / 2000:1 aspect ratio
- Low particle / production worthy



Applications

- MEMS devices /microphones
- Ink jet print heads
- Metal bond pad protection
- Bio-chips / Labs on a chip
- Nano imprint lithography
- Microfluidic applications
- Hearing aids
- Intraocular implants
- Glass slides
- Optical and pressure sensors



MVD[®] Advantages

- Very broad range of substrates
- Demonstrated large yield increase
- Excellent production repeatability
- Process control through automation
- Demonstrated product enablement

MVD[®] System Capabilities

Vacuum based vapor deposition processes—

- SAM (Self Assembled Monolayer) films
- CVD type films
- ALD type films
- Multi-Layer nanolaminates deposited in-situ
- One system supports many film options

We make things work better™