

Smart metal nanoimprinting solution, tailored to your surface and application.

No Vacuum! No etching! No evaporation!



Nanoscale Precision

- Ultra low resolutions down to 50 nm.
- Rapid fabrication of complex metal nanostructures on the same substrate → Pixelated polarizer



Cost-Efficient Manufacturing- Scalable and Sustainable

- Cost-effective production through a streamlined process — Dramatically cutting down costs
- Fully compatible with high-throughput manufacturing for large volumes
- No waste- low metal consumption.



“Direct” Patterning on:

- Sensor windows for superior image clarity
- Polarization beam splitters optimized for compact HMDs/HUDs
- Compatible with flexible and curved surfaces- glass and polymer

NIMPRINT is redefining the future of metal nanopatterning....

Applications Targeted:

Imaging, smart windows, displays, flexible electronics, anti fogging, augmented & virtual reality, biodetection (SERS substrate)

Contact us:

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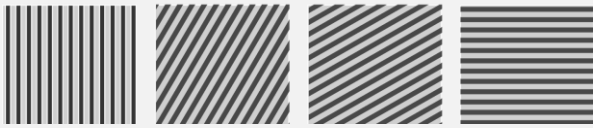


Sample NIMPRINT use cases...

Non-Exhaustive

1. Metal Grids

VISIBLE / SWIR / IR

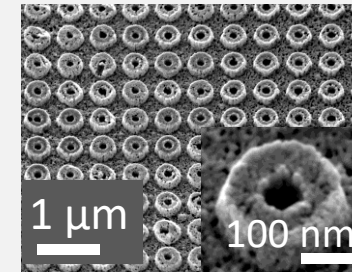
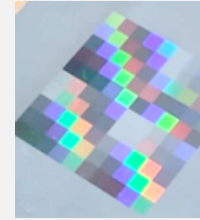


Pixelated polarizer pattern from Au & Ag

Grid size and spacing variation

Adaptable to curved and polymer substrates

2. Multiple patterns, One surface

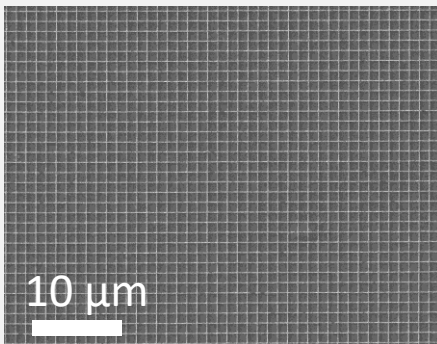


Ag rings

For Biodetection (SERS substrates) & LSPR applications

Imprinting Complex shapes with ease

4. Transparent Conductive Surfaces



Conductive Ag mesh on hard or flexible transparent surfaces

3. Metal Coatings and Patterns on Polymers



On PET

High reflectivity and adherence of Ag coating and imprints on plastics.

Sustains scratch test.