

Industry Leading Stencil Coatings

The Next Generation NanoSlic Gold Stencil Coating



Our ongoing research and development of NanoSlic Gold have resulted in a groundbreaking advancement in durability and longevity. Going forward, NanoSlic Gold Stencils will be produced using our newly patented Surface Modification Process. This innovation retains our industry-leading surface and aperture performance while delivering enhanced coating durability for even greater reliability.

We know our customers print in tough and high-volume conditions, so we have developed the next generation of NanoSlic Gold to perform in the toughest conditions.

10X



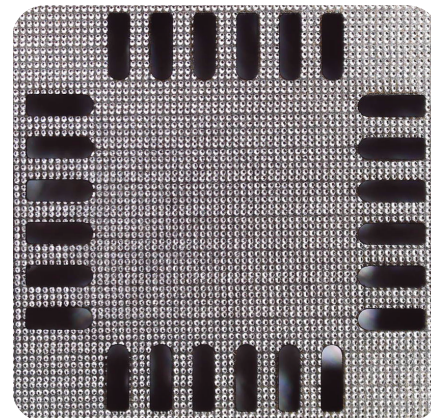
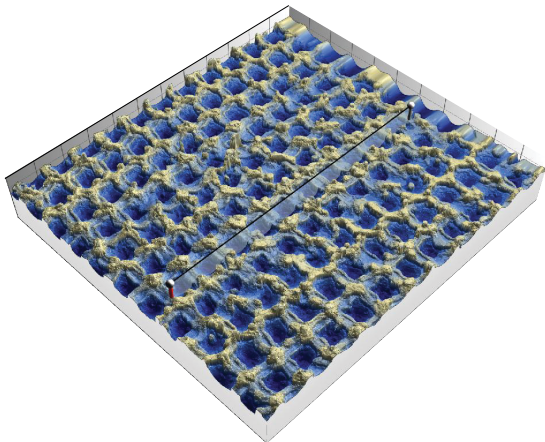
Coating Durability
Same Name...
Same Price...

Industry Leading
Transfer Efficiency at
Low Area Ratios

Controlling The Process
Reducing your coefficient
of variation

Surface Modification Process

By selectively modifying the stencil foil, prior to coating the stencil, we have extended the durability of the coating 10 times. Our new patent pending process increases the surface area of the foil around the apertures by 50% and now takes 10 times the shear force to remove our coating.



The Proof is in the Print

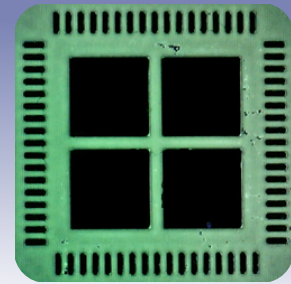
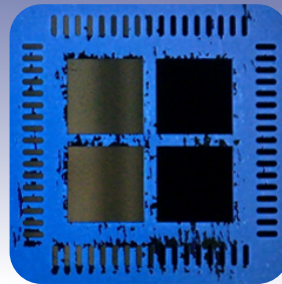
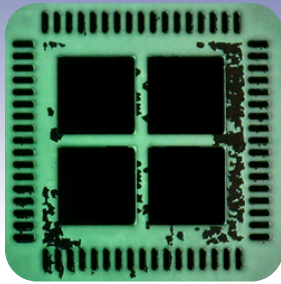
High-Volume Printing

Coating durability testing after 100,000 prints in our lab.

Previous NanoSlic Gold Process

Leading Competition

New Surface Modification Process



Frequently Asked Questions

Q Does the new surface modification affect fiducials?

A Yes, it actually enhances the contrast and makes the fiducials easier to read/scan.

Q Does the new process affect aperture side walls and/or aperture size?

A Aperture side walls and aperture size are unaffected.

Q Does the new process have any affect on the environment?

A There are no by-products of this process. It has no effect on the environment.

Q How much thinner is the foil because of this process?

A The stencil is not measurably thinner.

Q Will the print definition be impacted by the surface modification?

A Print definition is not altered and you can expect industry leading transfer efficiency benefits.

Q Since the surface of the metal has been modified, will the printing surface be uneven?

A No, the coating "self-levels" the printing surface during the coating application process.

Q When will this new process be available at my local facility?

A NanoSlic Gold is available from all Bluering Stencils facilities.

Q Does the new process increase the lead time?

A We are still able to offer same day turn times.

Q Why did you make this change to the process?

A We continue to develop NSG to address long-life, durability and high-volume printing concerns.