

Recent case studies: NIL Industrial Applications in China

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Diffraction optical structures, such like DOEs, diffusers, optical gratings, have been used more and more on consumable electronic devices since the second half of 2017. On one hand, the fundamental research of nanoimprint lithography (NIL)^[1] is quite developed from different aspects, machines, materials, masters and processes, in last decades; on the other hand, NIL has many unique advantages in mass production of sub-wavelength structures or 3D shaping. The NIL market is booming since 2018, specially in China, due to technical and economical reasons.

In this talk, we will share our recent cases of industrial applications in China and our estimation of the market trends.

Reference:

[1] S. Y. Chou, P. R. Krauss, P. J. Renstrom, Appl. Phys. Lett. 1995, 67, 3114–3116.