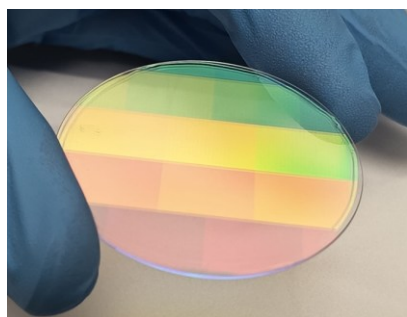
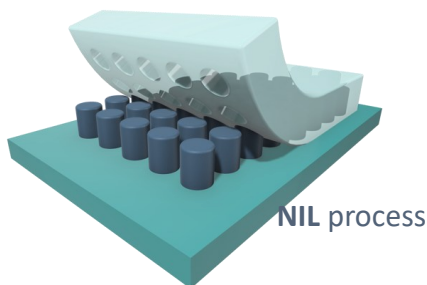


DIRECT NANOIMPRINT LITHOGRAPHY OF OPTICAL GRADE METAL OXIDE MATERIALS



From metal oxide inks to METASURFACES

Metal oxide
INKS



NIL process

COMPATIBILITY

Solnil technology is compatible with many materials, substrates, and motif morphologies and dimensions, relevant to biology, optics and photonics.

QUALITY

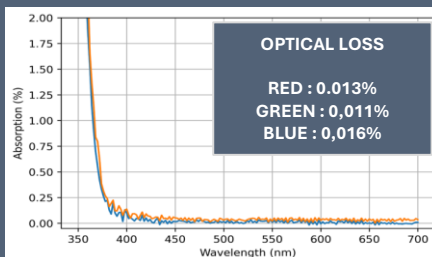
Solnil develops its own materials with adjusted optical properties and surface composition to meet end-user requirements (high quality, stability, performances).

MATERIALS

TiO₂, SiO₂, Al₂O₃, ZrO₂, ZnO, HfO₂, VO₂, SnO₂, WO₃...

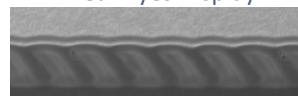
OPTICAL PROPERTIES

Very low absorption
Low haze/scattering < 0.05%
Tuned index from 1.1 to 2.6



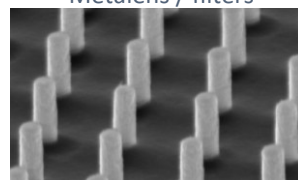
AR/VR

Near Eyes Display



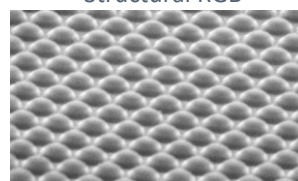
PHOTONICS

Metallens / filters



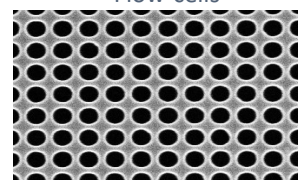
COLORS

Structural RGB



BIOTECH

Flow-cells



LASER

Anti-reflective

