



NAGASE Group

INKRON

EPIC AGM MARCH 29, 2023



INKRON: PROVIDER OF THE WLO SOLUTIONS

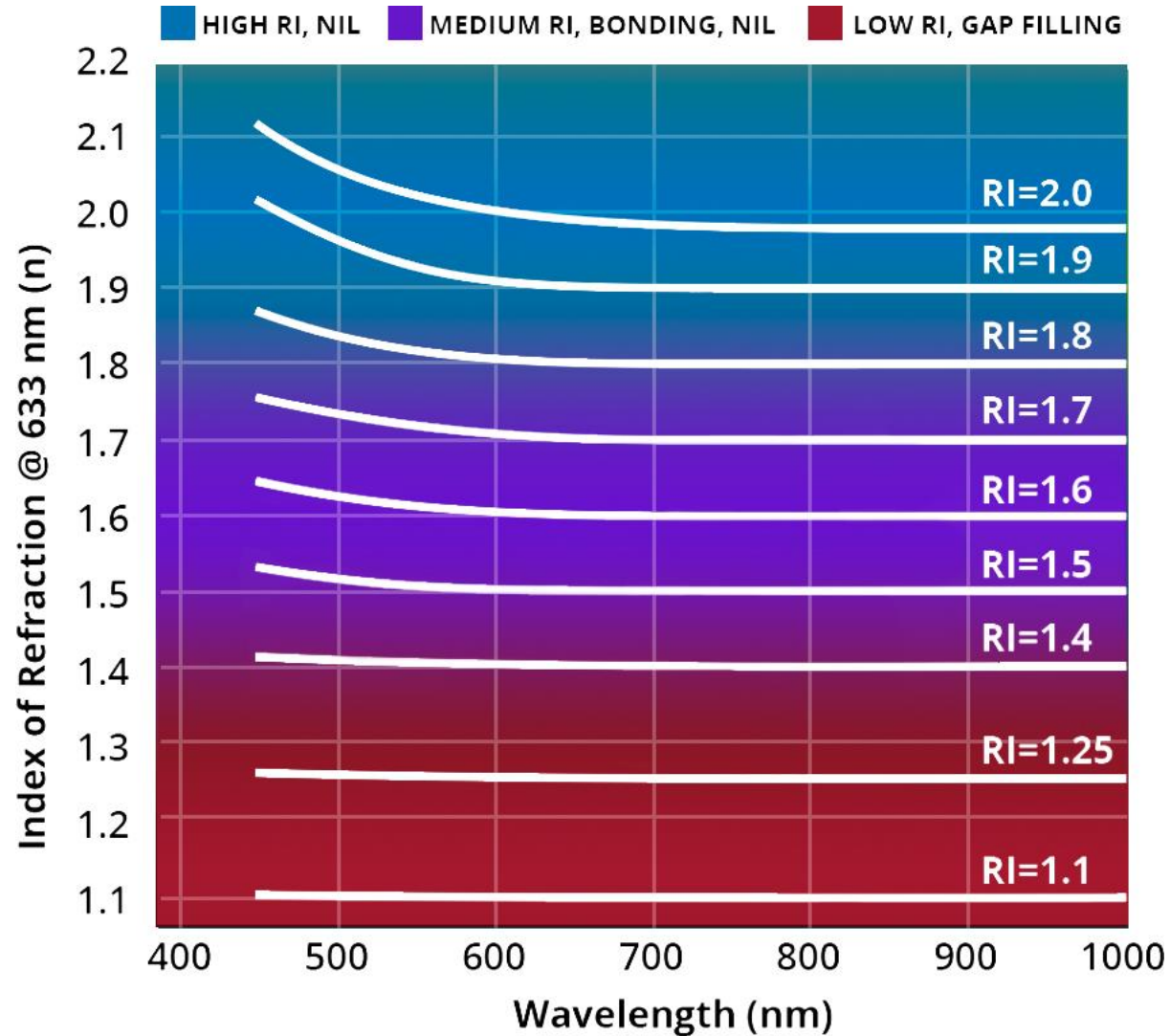
**MATERIAL
SOLUTIONS
FOR OPTICS**



**NIL PROCESS
SUPPORT AND
MATERIAL
OPTIMIZATION**



PORTFOLIO WITH RANGE OF REFRACTIVE INDICES



$n = 1.5 - \geq 1.9x$

NIL resins, Optical coatings & Light blocking

$n = 1.3 - 1.7$

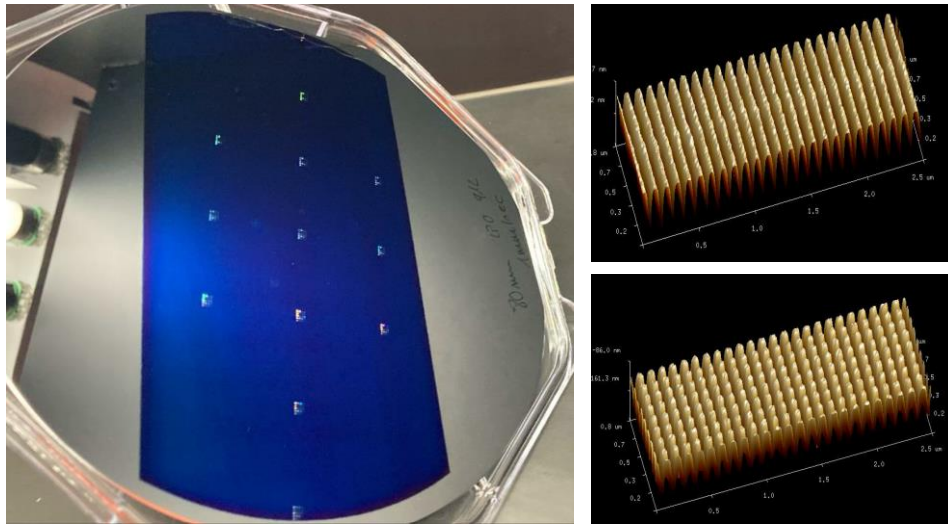
Optical Bonding

$n = 1.1 - 1.6$

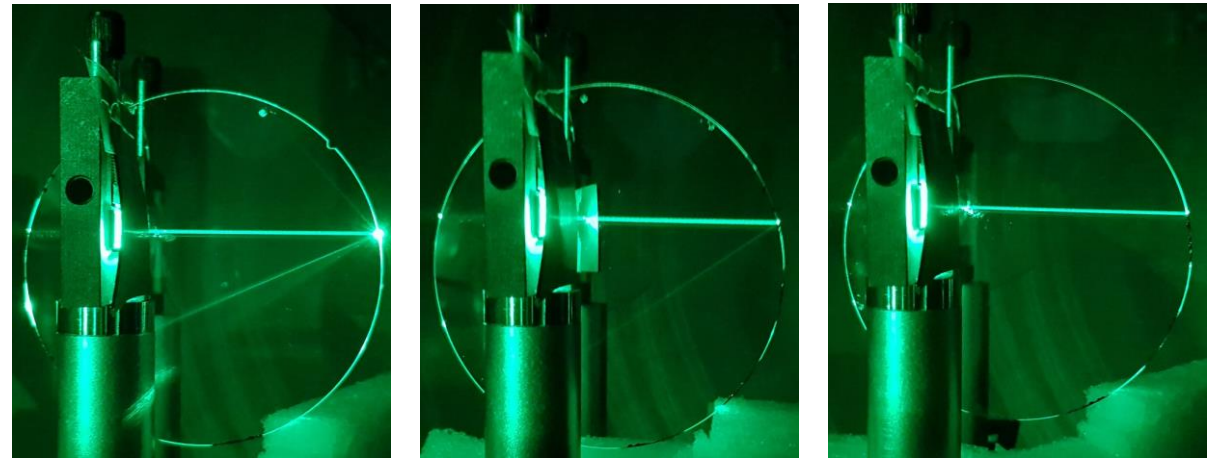
Optical Coatings and Gap Fill

EXAMPLES: HIGH RI INKJET – INDEX MATCHING BLACK

INKJET+ NIL PROCESSED HIGH RI COATING



INDEX MATCHING OPTICAL BLACK



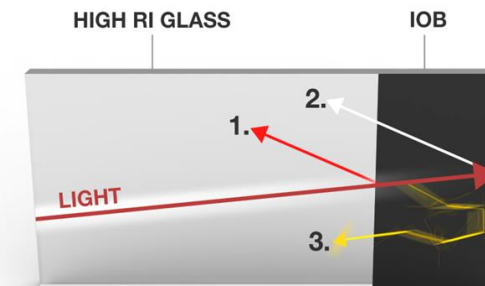
*No edge black coating (Air)
10 % reflection*

*1.5 RI edge black Coating
3 % reflection*

*1.9 RI edge black Coating
Reflection eliminated*

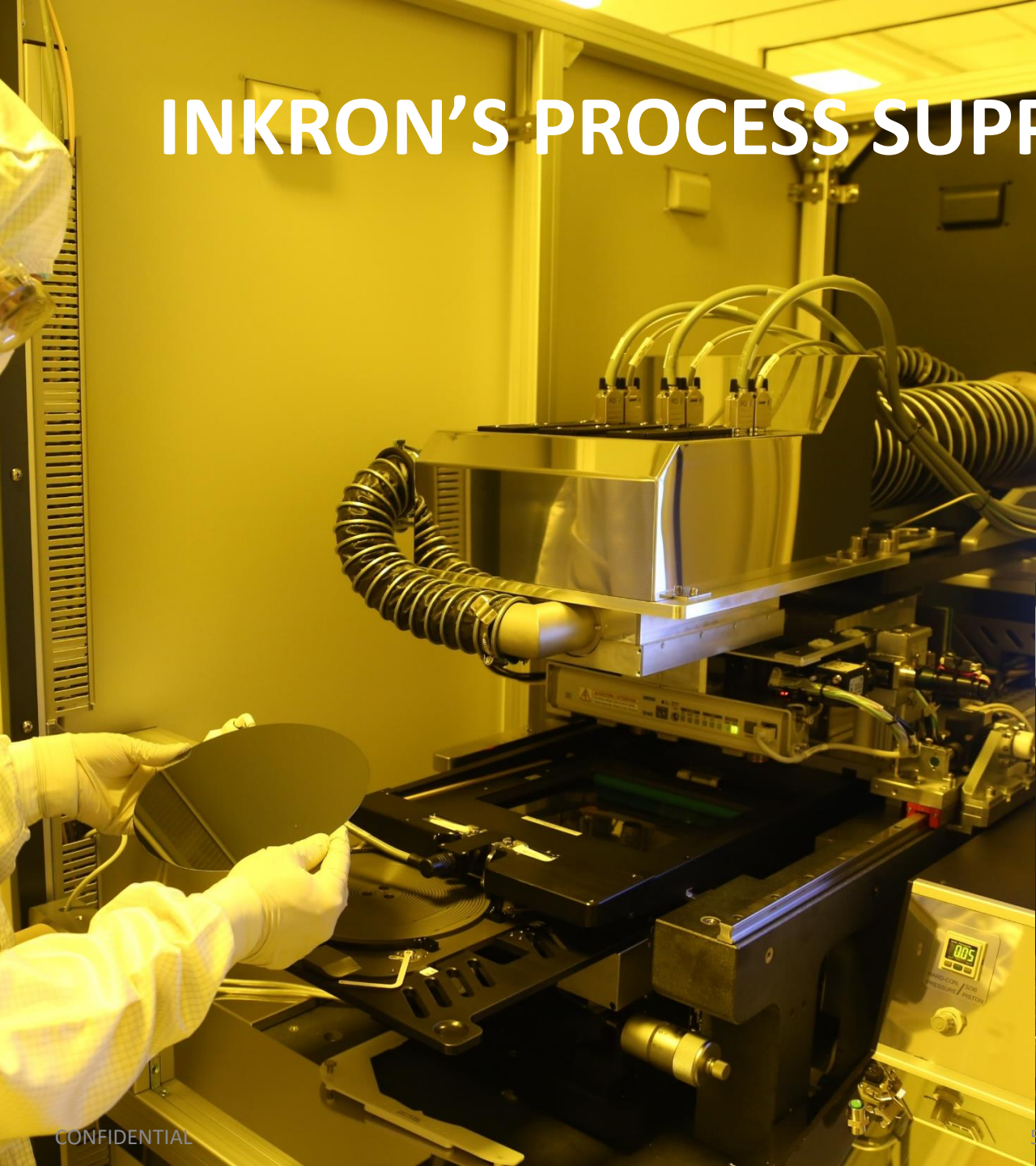


IPO-912 (Inkjet 1.9 RI) Tx: 80nm Tx Std. dev: 2.66 nm Coating time: 20sec, 50nm resolution



This project has received funding from the European Union's Horizon 2020 research and innovation program under the Grant Agreement n°958472, project TINKER.

INKRON'S PROCESS SUPPORT



A background image featuring a microscope lens in the foreground, focusing on a silicon chip with a grid of colorful squares. The background is a light blue and white hexagonal pattern.

THANK YOU

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