SCIL Nanoimprint solutions

ECS BROKERAGE EVENT

SCIL Nanoimprint B.V.

Lithography for photonics and optical devices

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- **Nanoimprint Lithography Equipment**
  - Lithography for semiconductors, photonics and optics down to 10nm dimensions
  - Unique full-wafer imprint stamping technology
  - For AR/VR, lasers, metalenses, waveguides, optical interconnects and more…
- Spin-out from Philips N.V., company established in December 2023
- Located at High Tech Campus in Eindhoven, The Netherlands
- 25 employees and growing
  - Out of which 20 FTE are in R&I
- $5-10M in annual revenue
  - >50% of revenue is spent on R&I

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SCIL – Nanoimprint Lithography

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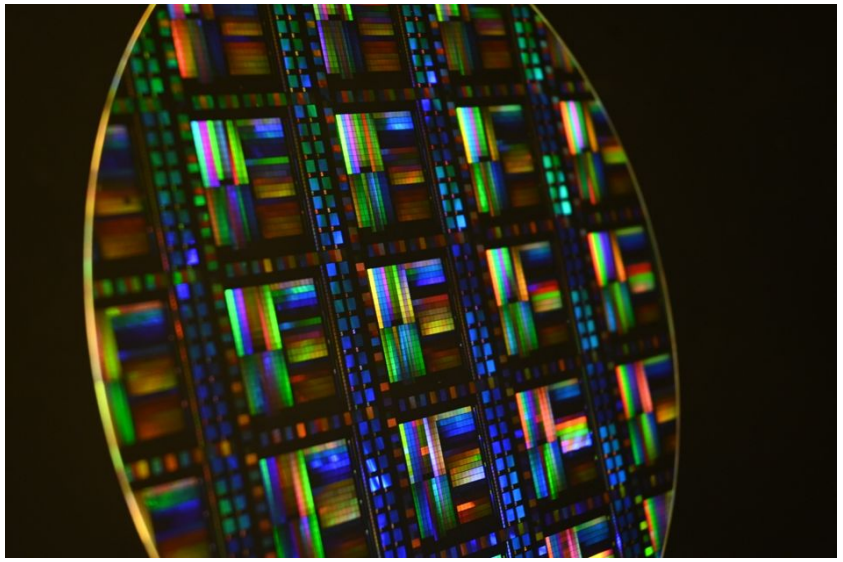

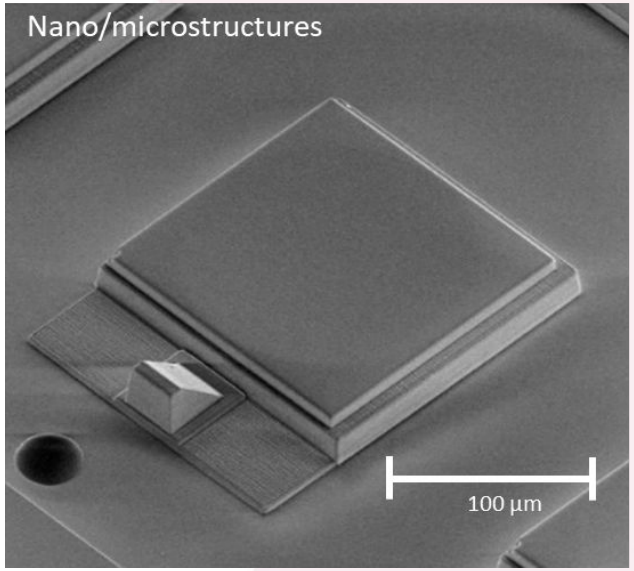

- **Our tools print optical structures directly on wafers with nanometer precision**
- Our technology enables the future of AI data centers with optical interconnects for higher bandwidth, lower latency, lower energy consumption infrastructure
- Our equipment is highly accurate, highly scalable and cost-effective
- Our deposition materials have unique optical, thermal and physical characteristics

SCIL's EU Activities

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- Previous experience with collaborative projects:
  - We are coordinator for a GlobalStars Taiwan project called "DWOAR" working on the development of prototype smart glasses.
- Interaction with ETPs:
  - Member of European Technology Platform on Smart Systems Integration (EPoSS)
  - In contact with The Photonics Technology Platform (Photonics21)

SCIL Collaboration Expectations

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Collaborative project of interest to you	*all relevant programs, such as ECSEL, H2020, Eureka clusters, Eurostars, Globalstars, etc.*
Scope	*Technology development and new market access*
Project idea	***Optical interconnects for >1TB/s chip-to-chip communication enabling large compute clusters***
Project impact	*High performance compute (HPC) and AI data centers communication infrastructure to substantially increase bandwidth while lowering energy consumption*
Project consortium	*Partners to include a semiconductor or integrated photonics manufacturer, advanced optical packaging developer, data center infrastructure provider, photonics and/or nano-optics research institute.*