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AI-Designed, Digitally Manufactured — A New Era for Custom Optics

The first AI optics platform, now joined by the pioneer of 3D printed optics — delivering a true digital end-to-end workflow where design and fabrication happen in days, not months.

***Wemeldinge/Los Angeles, November 2025* — Opdo, the first AI optics platform and recognized expert in volumetric 3D printing for optics, has partnered with Luximprint, the pioneer of 3D printed optics, to create a seamless bridge from intelligent optical design to digital manufacturing. Together, the companies are transforming how optical systems are conceived, developed, and brought to market — unlocking a new level of speed and agility for the optics industry.**

From AI-Driven Design to Digital Fabrication

Opdo's AI Optics Platform allows engineers to define optical intent through natural language. Its AI agents generate, simulate, and optimize fully manufacturable designs within minutes. Now, with the integration of Luximprint's Printoptical® technology, those designs can move directly into production — establishing a complete digital workflow from concept to finished component.

"Opdo lets engineers describe what they want to achieve with light — and AI handles the rest," says Stephan Kuehr, Founder and CEO of Opdo. "By adding Luximprint's proven manufacturing technology, we connect AI design with digital fabrication in a way that fundamentally changes how optical products are developed."

Uniting Two Pioneers in Optical Innovation

Luximprint's advanced Printoptical® manufacturing process produces optical-grade surfaces directly from digital files, eliminating tooling and accelerating turnaround. Combined with Opdo's AI-driven design and simulation capabilities — and its deep expertise in volumetric optics fabrication — the partnership delivers unprecedented creative freedom and manufacturing efficiency across scales and applications.

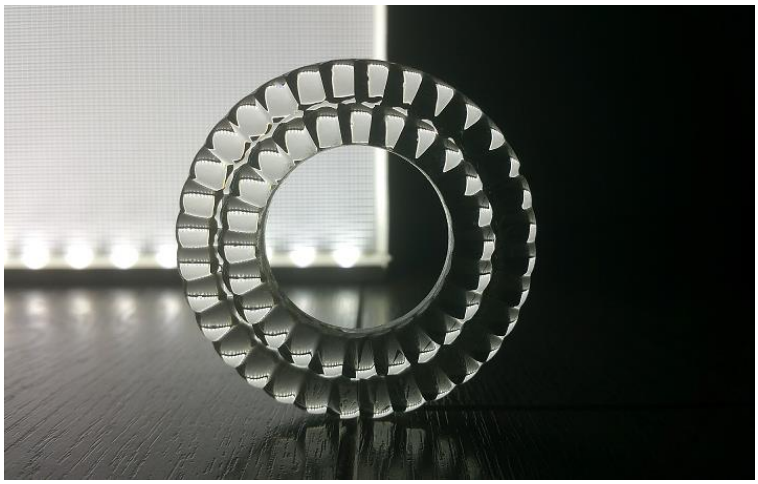
"We're excited to bring our Printoptical process to the Opdo platform," says Marco de Visser, CEO of Luximprint. "This collaboration connects two complementary innovations — AI design and digital manufacturing — enabling custom optics to move from vision to physical reality faster than ever before."

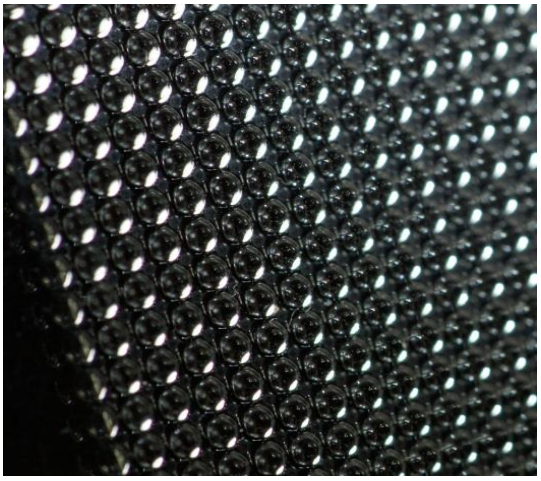
A Digital Fabrication Collective for the Future of Light

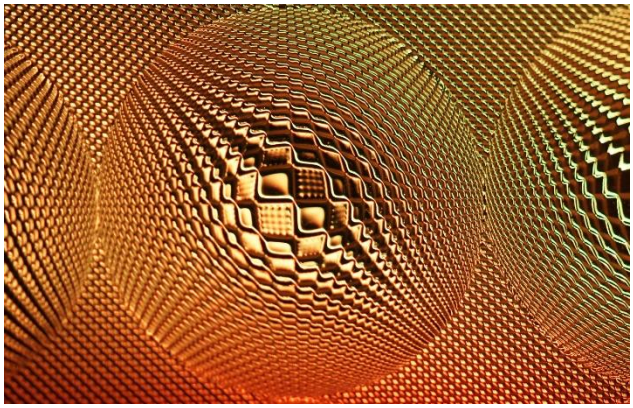
At the manufacturing end, Luximprint joins a growing ecosystem on the Opdo platform that includes leading volumetric and microfabrication technologies such as Xology and Nanoscribe. Together, they form a powerful digital fabrication collective covering everything from freeform and illumination optics to advanced microstructures — offering optical engineers a complete, data-driven design-to-production environment.

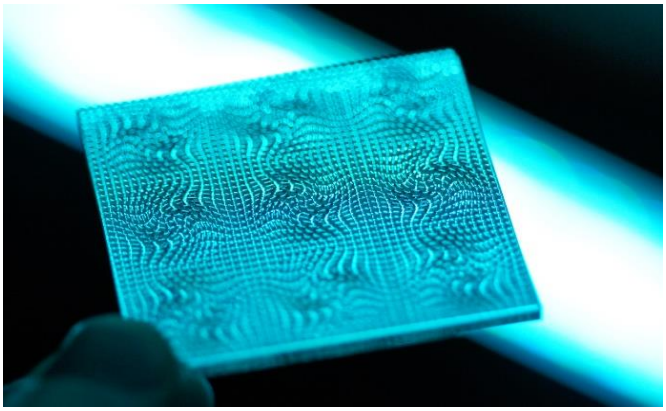
LUXIMPRINT

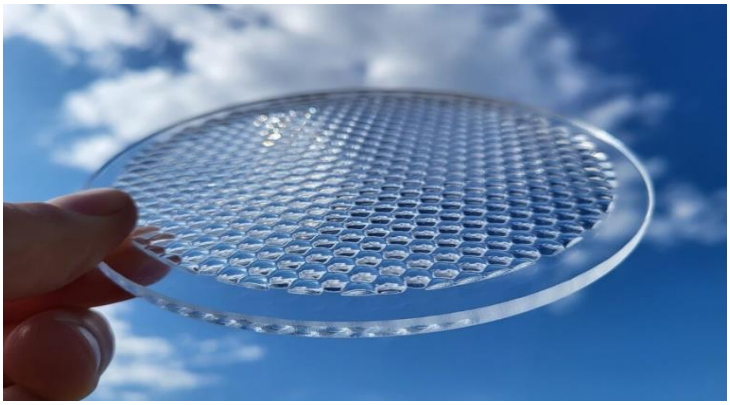
OPDO.AI AND LUXIMPRINT PARTNERSHIP // IMAGES

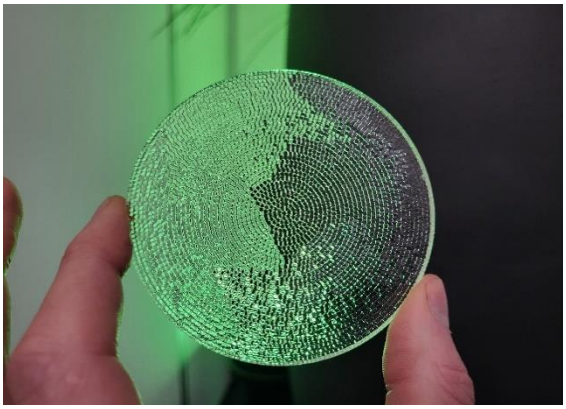


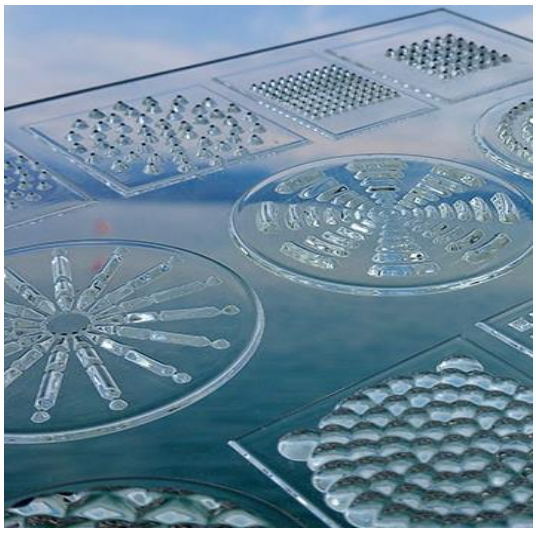












MORE INFORMATION

About Opdo

Opdo is the first AI optics co-pilot that transforms natural-language input into high-performance, fabrication-ready optical systems. Built by veterans of manufacturing automation and volumetric optics, Opdo integrates design, simulation, and digital production across leading fabrication methods, accelerating innovation throughout the light-based hardware industry.

Learn more at *www.opdo.ai*

About Luximprint

Luximprint provides additive manufacturing services for decorative and functional optical plastics. Its patented Printoptical® process enables rapid, flexible, and cost-efficient development of custom optics without tooling — delivering printed optics, reflective and textured surfaces, and Optographix for illumination and design professionals.

Learn more at *www.luximprint.com*