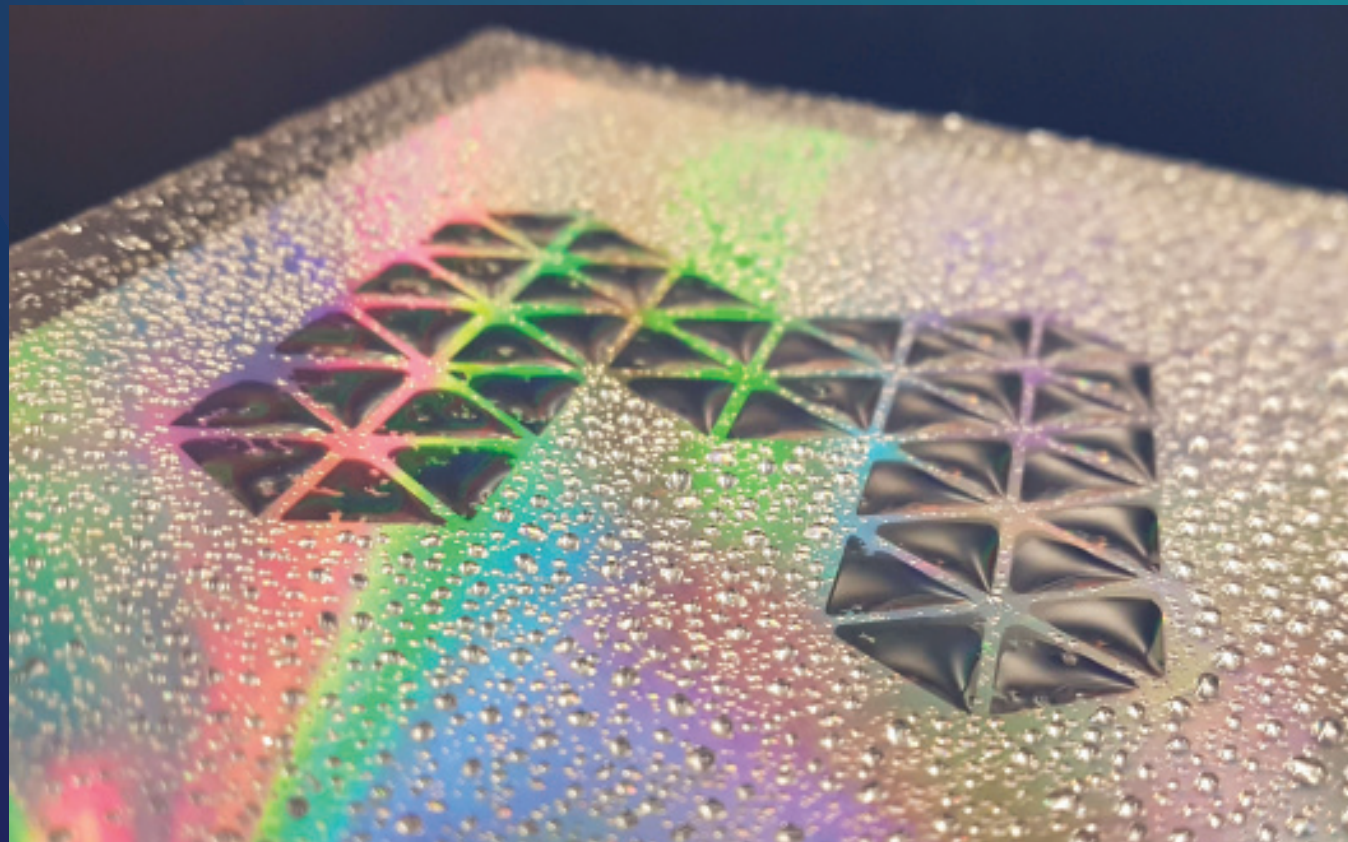


# Bring your Products to life with Morphotonics



With our R2P nanoimprint technology, high volume, high quality, and cost-efficient production of next generation consumer electronics is happening now. We make it possible to manufacture advanced screens & AI glasses with nanoscale precision.

A CES Innovation Award Honoree, Morphotonics, serves leading brands across Europe, the United States, and Asia, delivering cutting-edge solutions for advanced screens for AI-generated content and AI glasses that embody next-generation AI hardware.



# Together we morph dreams into reality



Watch our corporate video

morphotonics.com  
info@morphotonics.com  
Phone: +31 (0)40 401 1963

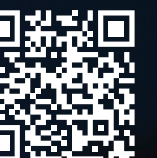
With over 15 years of experience, Morphotonics brings together a diverse and creative team to deliver the best large area nanoimprinting solutions for AI powered devices.

Headquartered in Brainport Region of Eindhoven, Netherlands, and supported by a branch office in Suzhou, China, we are strategically positioned to drive continued innovation and growth in scalable nanoimprint technology.



# Precision at Scale

Making AI powered devices accessible to everyone



# Enabling Mass Production of AI Powered devices

Morphotonics is the global leader in large-area nanoimprint technology, providing the manufacturing infrastructure that enables production of nextgeneration AI devices and systems.

Its precise and scalable nanoimprinting platform enables cost-effective fabrication of micro- and nanostructures on large surfaces, delivering cutting edge solutions that support the explosive growth of AI applications and content.



**AI glasses**  
Transitioning AI glasses from niche to mainstream



**Advanced screens**  
Unlocking new visual experiences for any screen size products

## Where precision meets high volume manufacturing



### Cypris Revolutionizing AI Glasses Manufacturing

Cypris X700 enables scalable production for mainstream adoption of AI glasses. Its fully automated, modular platform combines nanoimprint lithography with high-resolution inkjet printing, supported by robotic handling and multi-wafer carriers to deliver speed, precision, and consistency.



### Aurora Nanoimprint Mass Production Equipment for Advanced Screens

Aurora 1100 is designed for continuous mass production of advanced screens such as 3D displays. Its fully integrated modules achieve cycle times of under two minutes, with sub-40 nm accuracy on panel sizes up to 1.3 m<sup>2</sup>. Aurora 1100 is a robust manufacturing platform with proven 24/7 commercial performance and was recognized as a CES 2022 Innovation Award honoree.

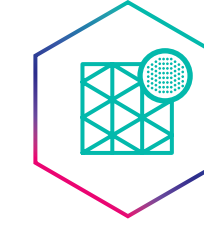


### Portis Ultimate Modular Flexibility

Portis platform is built for industrial manufacturing, with modular Coater (C1100), Imprint (NIL600 & NIL1100), and Primer (P1100) units that adapt to diverse production requirements. Designed to deliver consistent quality and efficiency at scale, they ensure smooth integration into high-volume environments.

## How we unlock precision at scale

### Key technological advantages



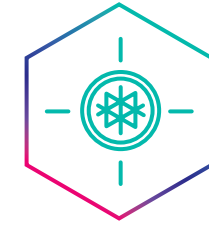
**Nano-micron features across large surfaces**  
Enables advanced optical and functional performance previously not achievable at large scale.



**Compatibility with rigid and flexible substrates**  
Works on glass, polymers, and other substrates for broad application flexibility.

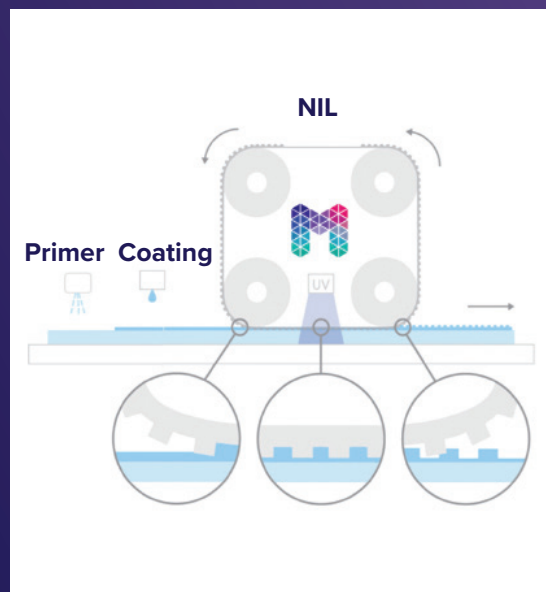


**High pattern fidelity and durability**  
Ensures consistent quality across entire panels for reliable manufacturing results.



**Unmatched cost efficiency**  
Reduces production time, material usage, and equipment footprint at high throughput.

## Roll-to-Plate NIL Technology



Our proprietary Roll-to-Plate (R2P) Nanoimprint Lithography (NIL) technology delivers nanoscale precision over large areas far exceeding wafer size enabling higher yield, consistency and cost efficiency.

We imprint micro- and nanostructures directly onto glass, polymers or other substrates, using flexible stamps and UVcurable resins. These structures can serve as permanent optical layers or as precise etch masks for further processing.

## Seamless transition to manufacturing

We deliver end-to-end mass-manufacturing solutions that give customers a seamless transition into full-scale production. Our process-critical materials are engineered for consistent, high-throughput nanoscale performance, offering exceptional durability, precision, and effortless integration with our manufacturing platforms.

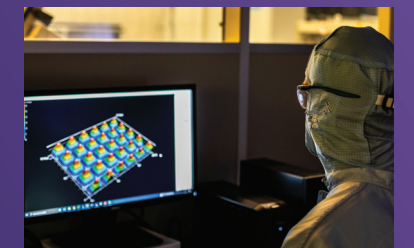
Our team custom-engineers every process parameter to match the exact needs of each application, ensuring maximum yield and reliable repeatability from day one. Once in production, our proprietary software suite provides real-time monitoring, analytics, and optimization, maintaining peak performance and enabling smooth, predictable, and scalable manufacturing at all times.



**Unique flexible stamp technology**



**Proprietary Nanoimprint Resins**



**End-to-end process knowhow**