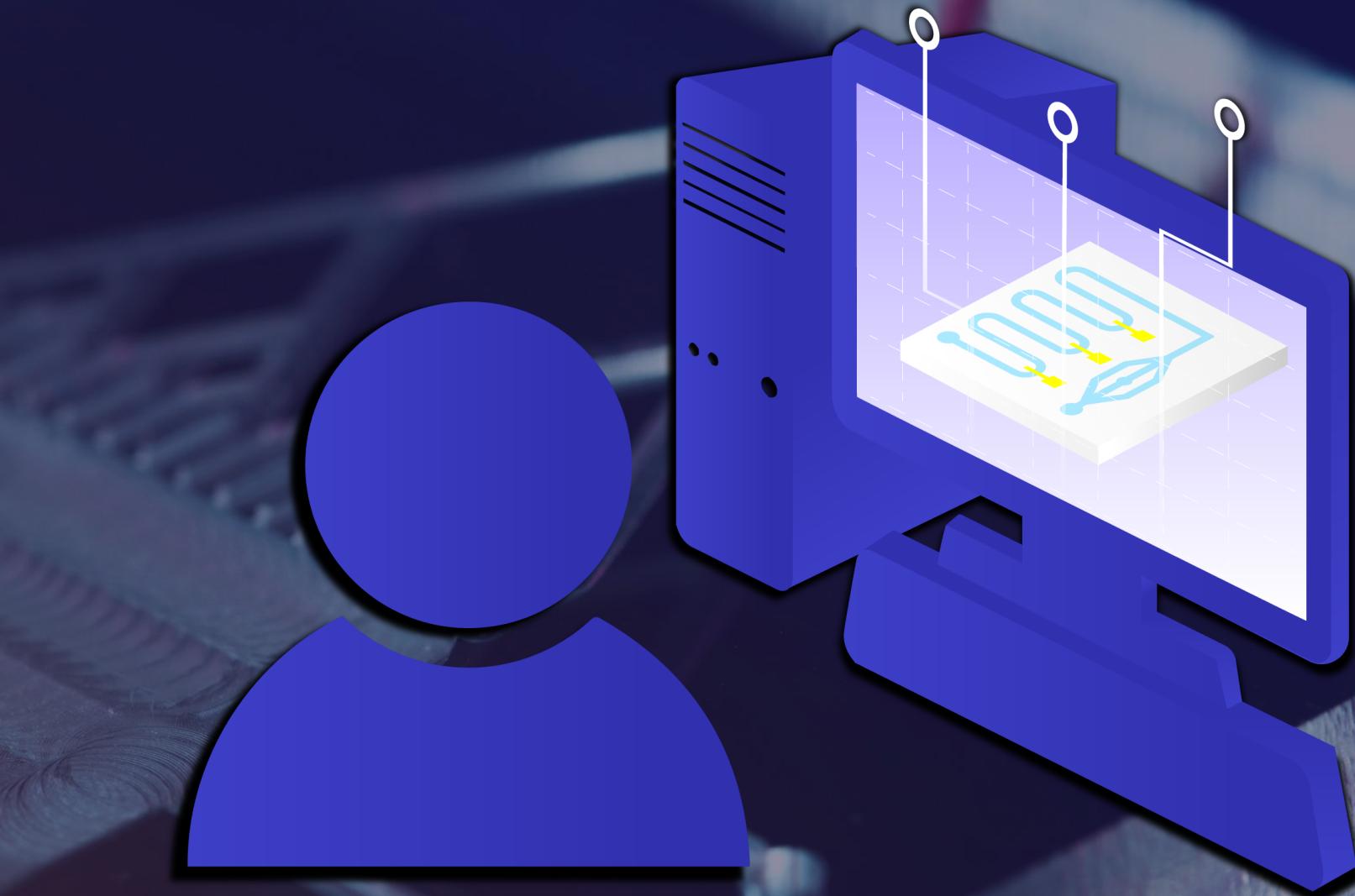




*Giving the power to innovate and create  
electronics on microscopic levels*





# Printed Electronics

Printing / Depositing conductive materials for the production of IoT, Smart Glass, and semiconductor-like products.



# Microfluidics

Within the market of microfluidics, manufacturers want to add electronic functionality to their products.



# On-chip

Adding electrodes to the chip still knows many problems in both feasibility, as well as scalability.



# Clients

The players who suffer from the problem, and with whom we maintain close contact.



# Why Now?



## No Standards

Microfluidics is an emerging market where KEIRON can dominate early.



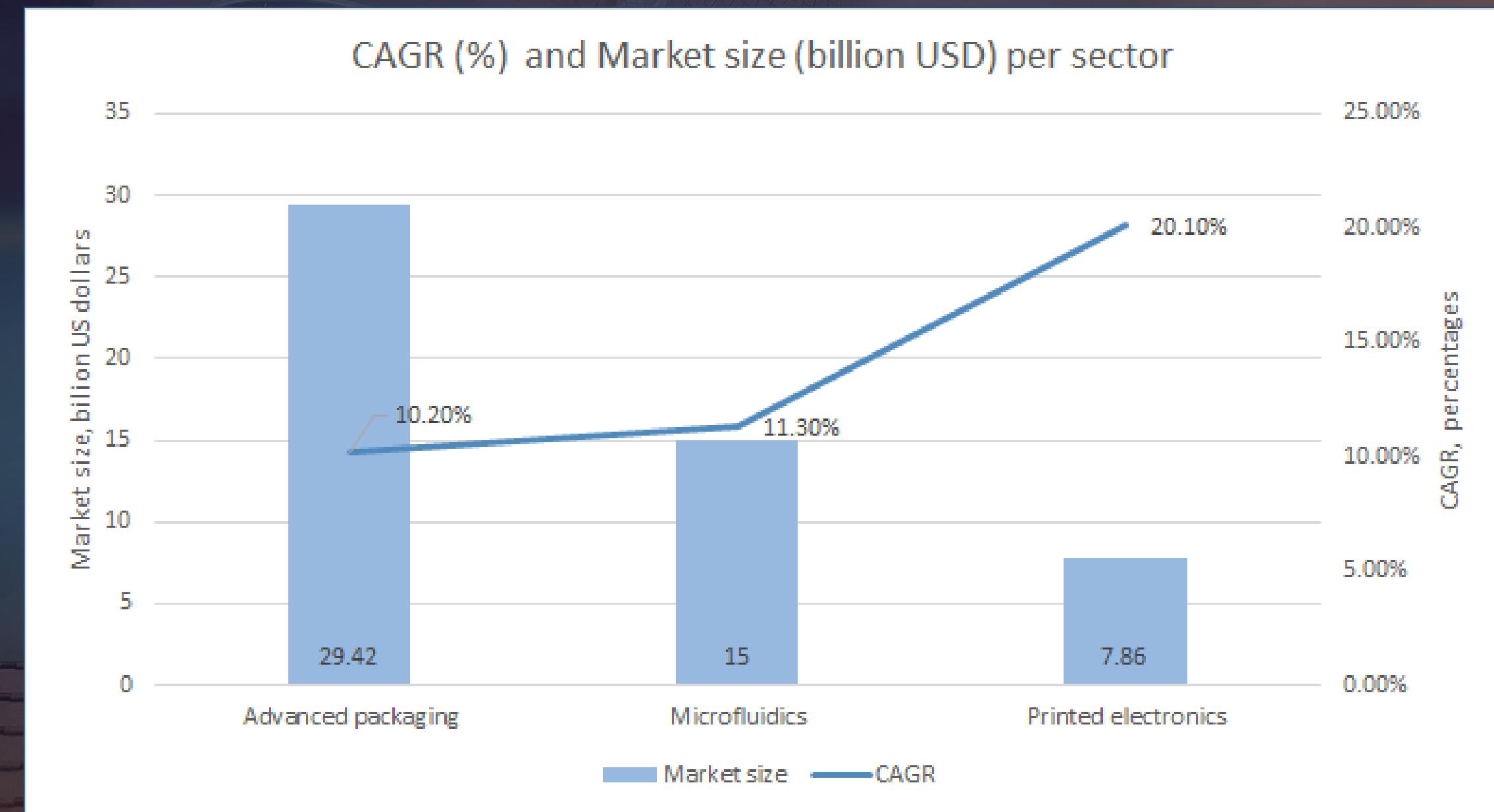
## A True Enabler

The technology we work with is an enabler, offering speed and flexibility.



# Market

Printed electronics knows many, and even undiscovered markets with a lot of growth potential.



# Microfluidics Products

An already large, but quickly developing and commercializing industry.

**€24.6 Billion (14% CAGR)**

Total Available Market (2025)  
(TAM)

**€10.5 Billion (Point-of-care)**

Serviceable Available Market  
(SAM)

**€40 Million (2025)**

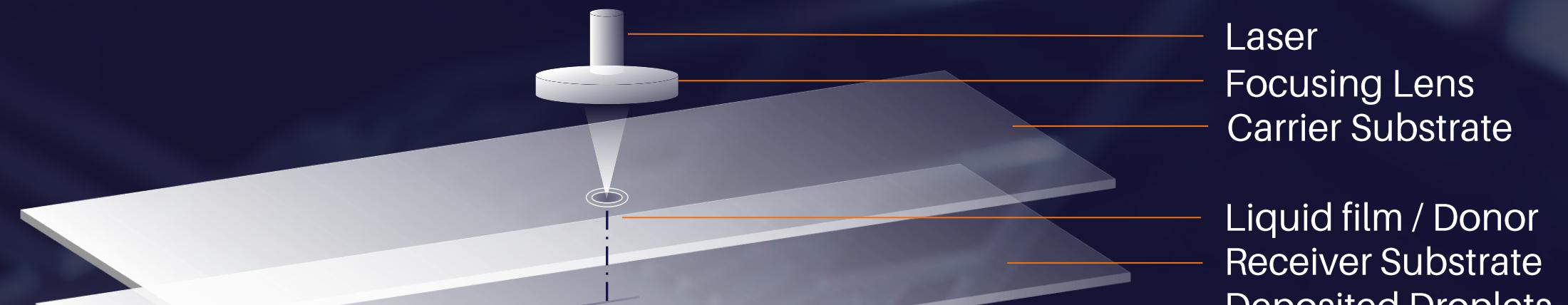
Serviceable Obtainable Market  
(SOM)

(10% Market Penetration at 600M Global  
POC Devices Production)



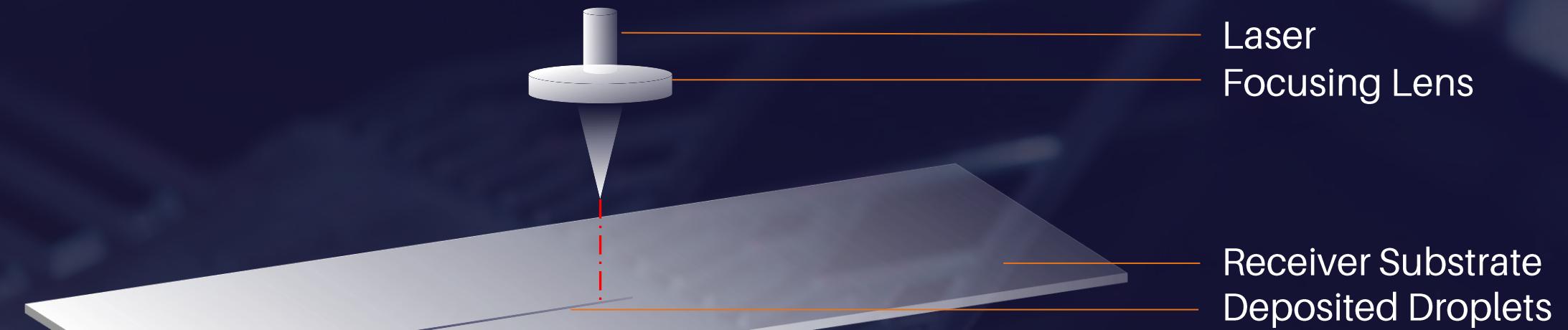
# The Process

Material is pushed onto a product by focusing a laser on it, also allowing to deposit inside of channels.



# The Process

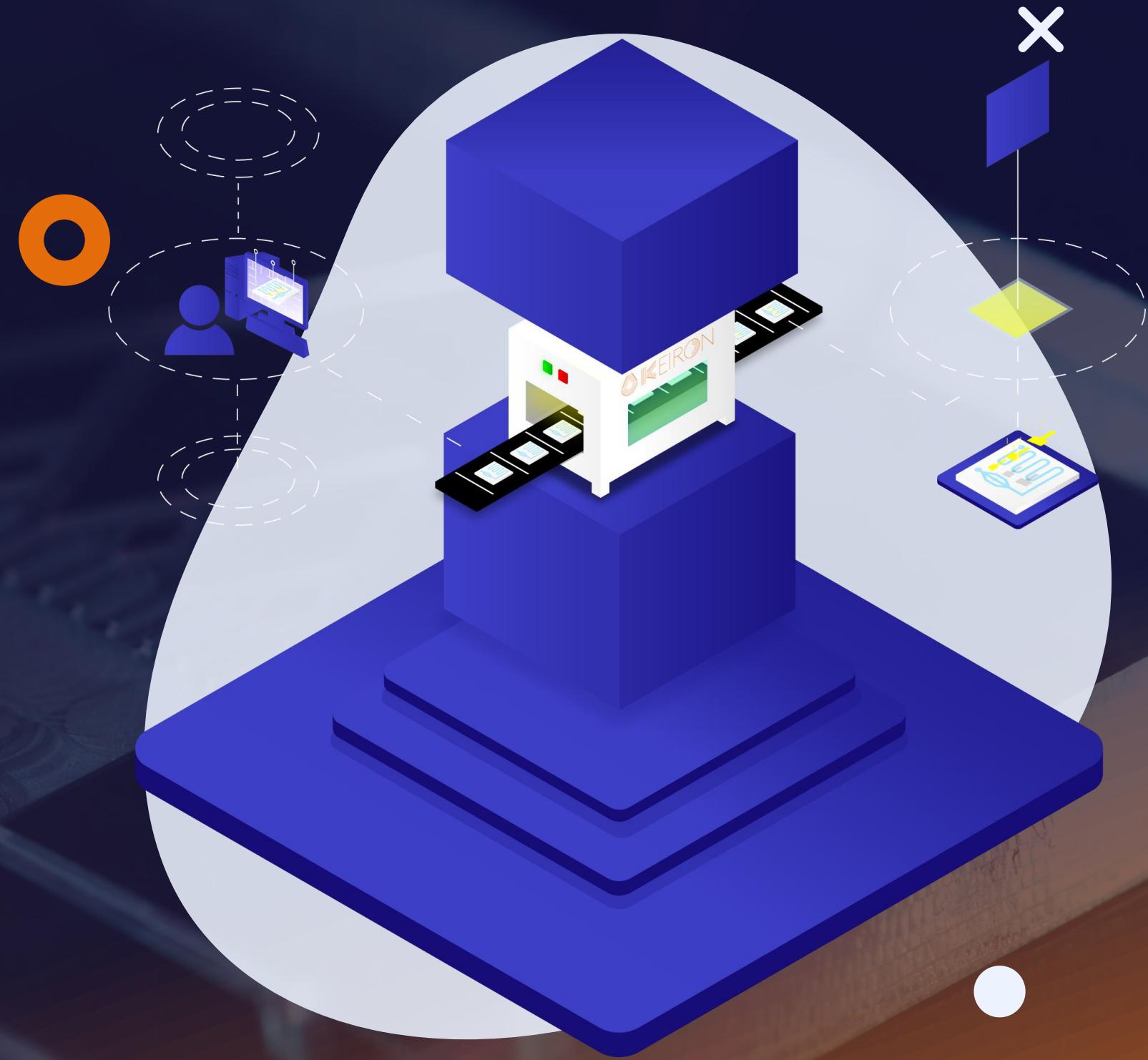
The same laser is then used to cure the material and make it conductive.



# The Product

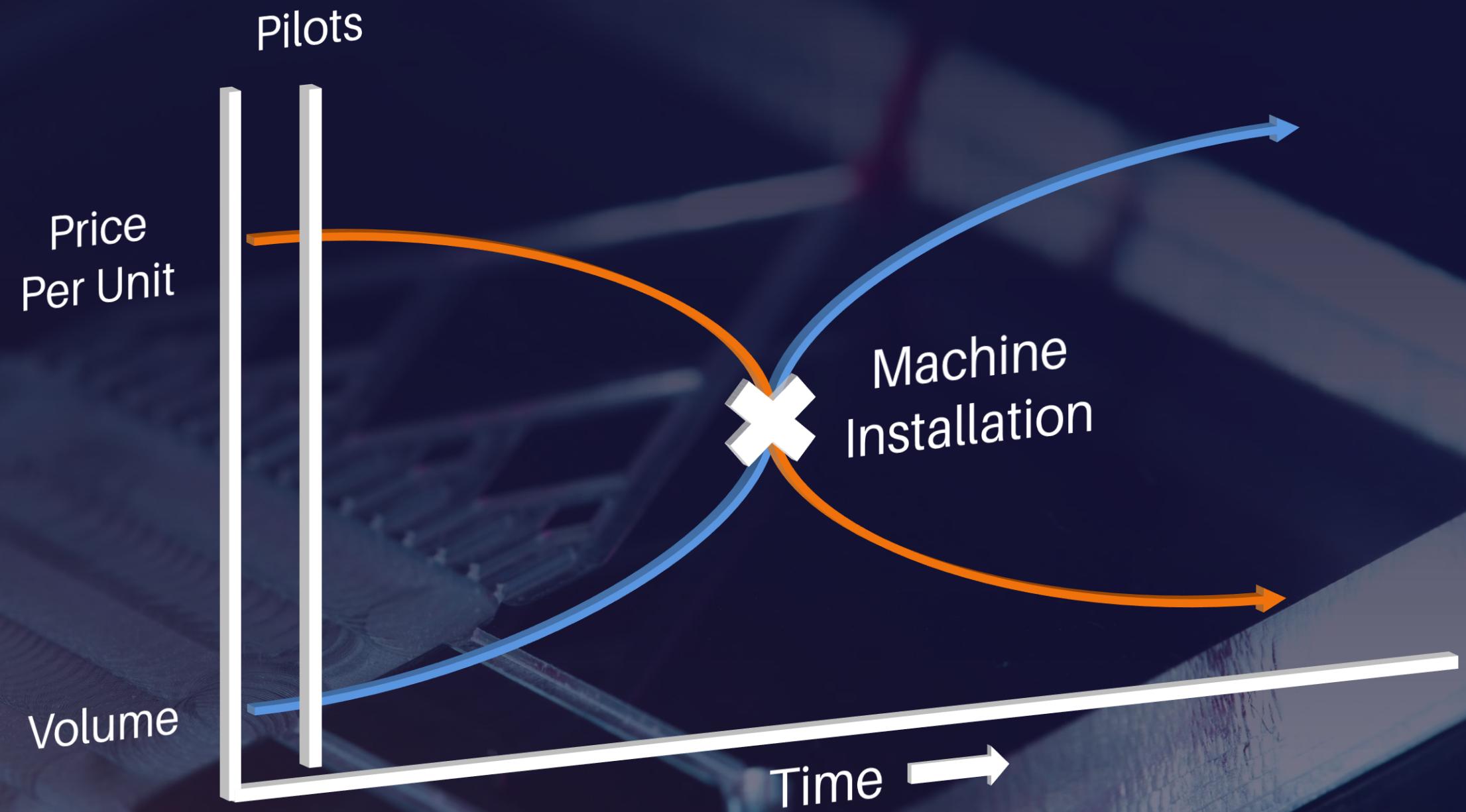


Digital, laser-assisted equipment for production  
and print services.



# Revenue Model: Pay-Per-Print (PPP)

By applying an OPEX revenue model, we allow ourselves to grow and develop with our clients, also taking away the large capital investment barrier.



## RESEARCH SET-UP



CPTOMECH®

OKEIRON

Materials



Clog-free



Resolution

Printing  
Speed Claims

500 mm/s

200 mm/s

8,000 mm/s

Operational  
Simplicity

## Competitors

Current competitors using nozzle-based technologies are not suitable for a mass-production environments and are most commonly used for prototyping purposes.

# TEAM

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Jimmy  
Sy-A-Chin  
CEO



Stefan van  
Waalwijk MSc  
CTO



Marco van  
Hoorn  
CCO



Prakhyat  
Hejmady PhD  
COO



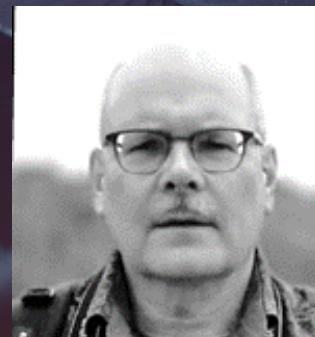
Richard Visser  
Co-Founder

# ADVISORY BOARD

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Helen Kardan  
Sr. Manager ASML  
New Business  
Development /  
Strategies



Eddy Allefs  
CTO AM Systems  
and Entrepreneur  
in Residence at  
High Tech XL  
Machine & Tech  
Development



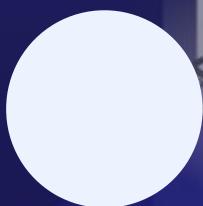
Ton van Mol  
Managing Director  
TNO Holst Centre  
Product  
Development /  
Strategies



# Current Status



**First turnovers realized**



**Totally obtained funds €665k**

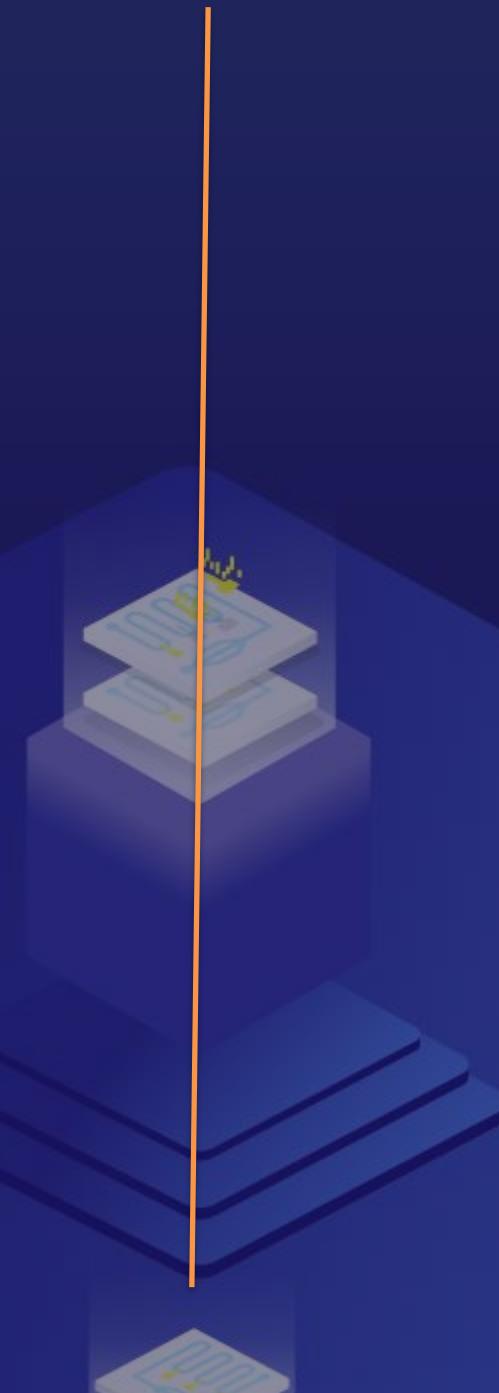


**TNO IP licensed 6x**



**Engaged with suppliers and potential development partners**

# Anticipated Seed Round



**Q2 2022**  
**Seed Round: 2M**



# Contact Us



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