



# EPIC FOOD & BEVERAGES



**DECEMBER 11, 2023**

inPhocal



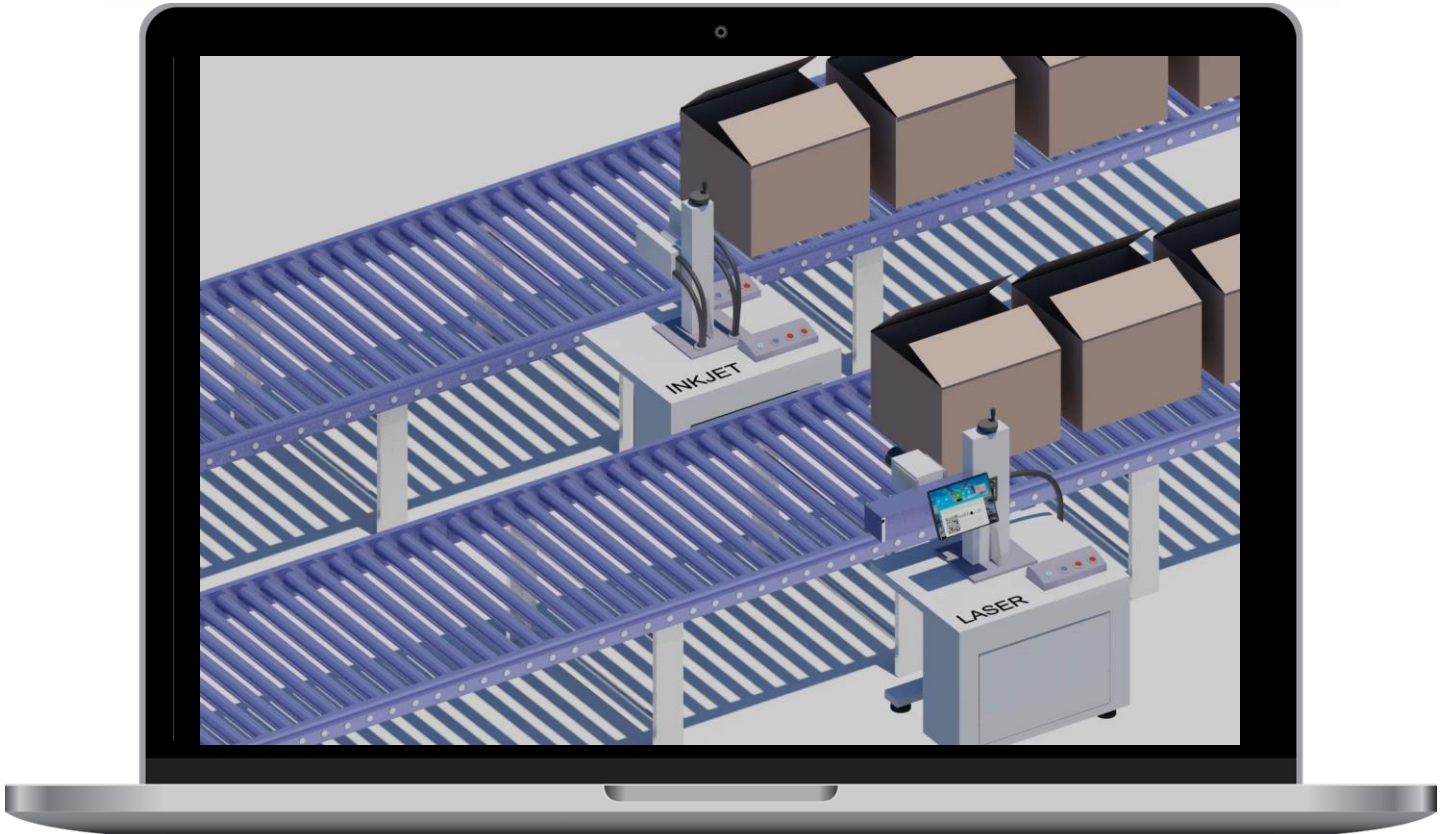


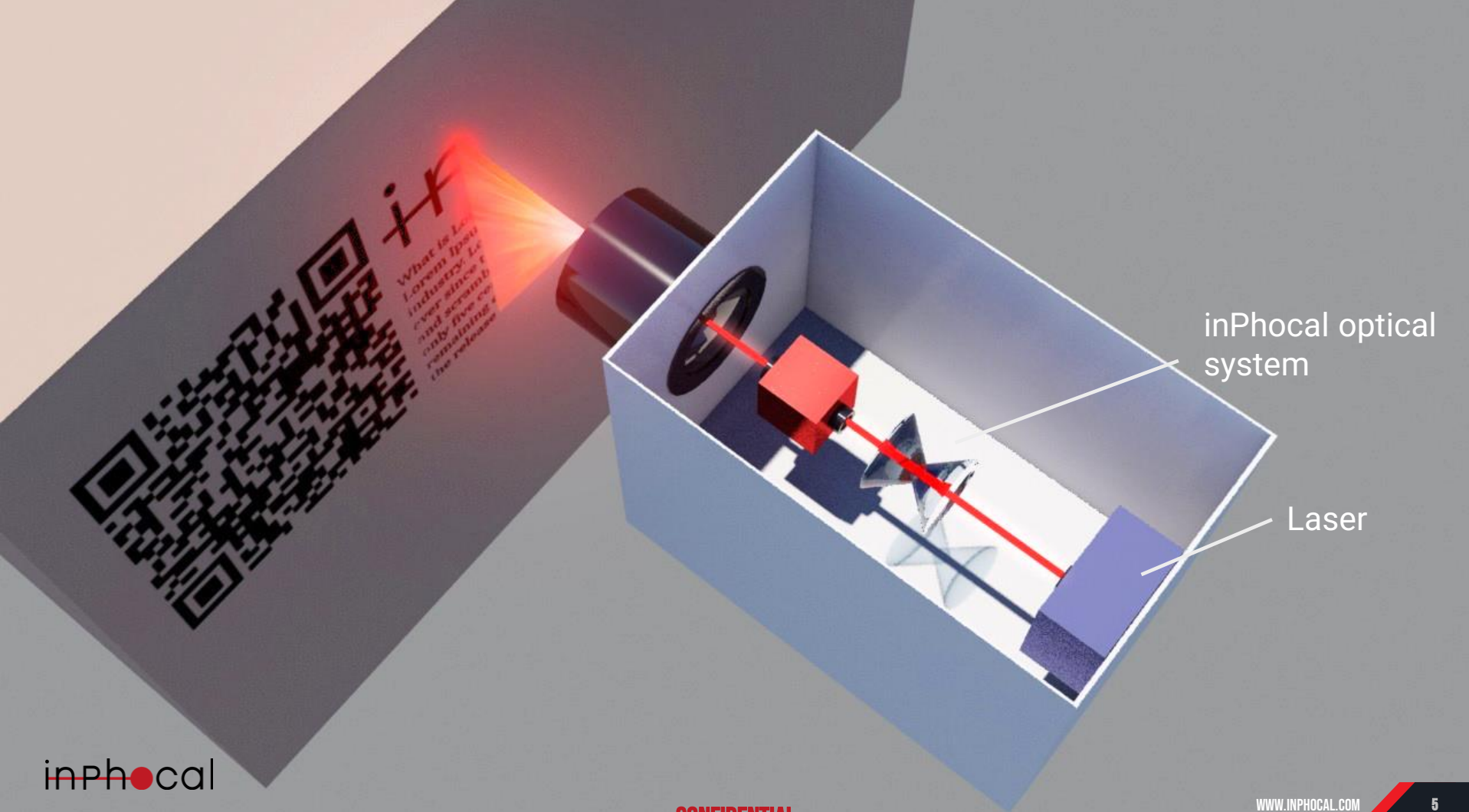


# 160 MILLION

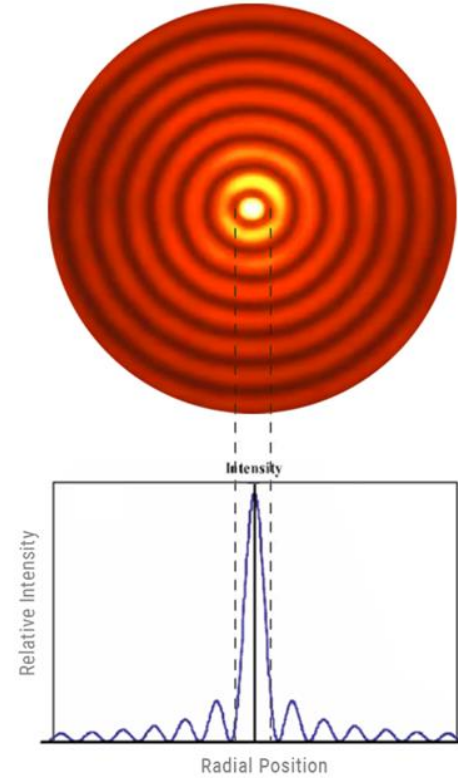
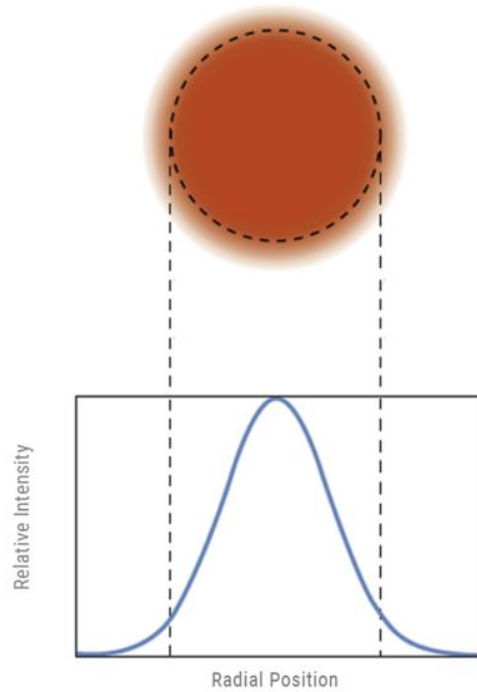
## LITERS OF INK EACH YEAR<sup>1,2</sup>

- 
1. 160.000 Pallets of 1M3 ink = 160 Km of Pallets = From Maastricht to Haarlem
  2. 100 Soccer fields with 30 cm of Ink





## NORMAL LASER







# FOCUS RANGE

Gaussian Laser



Reach

Structured Laser

inPhocal



Reach

100 TIMES LARGER





# FASTER PRODUCTION LESS DOWNTIME

INNOVATION

**ENVIRONMENTAL FRIENDLY, NO INK**

No use of ink; creating a positive impact to a more sustainable world by reducing waste streams

**CURVED SURFACES, PLUG-IN SOLUTION**

The innovative lasermarking solution by inPhocal is outperforming on speed and costs of ownership and on top adds the capability to print on curved surfaces



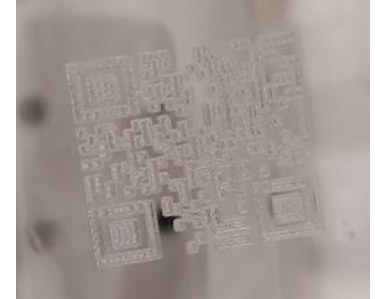
# Laser \* Material

## Laser options

- Fiber
- CO2
- UV

## Covering Full range of Materials

- from plastic to glass
- from metal to organic
- from box to (under) foil
- from flat to curved



# Competition



**Unique Selling Point:** World's first Concentric laser beam for faster and robust laser marking, with the ability to print on uneven surfaces

	Distance Printing Surface	Production line Speed	Ink Cost per year	Maintenance Friendliness	Lifetime
INKJET	Direct	+	4K-26K€	-	0
LASER	Fixed	0	0	+	+
INPHOCAL	Variable	++	0	++	++

# MARKING SALES FUNNEL



# OPENING UP POSSIBILITIES

## Enabling

- Authenticity
- Traceability
- Personalisation

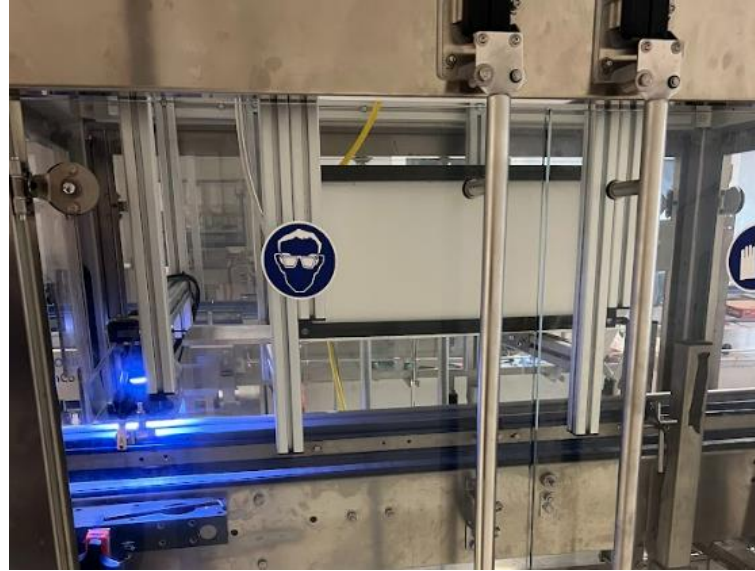
## Point-of-implementation

- in-factory
- in-store





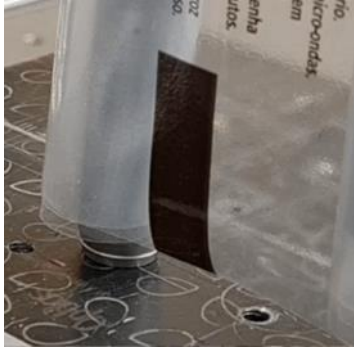
# INDUSTRIAL SETUP



# IN-STORE SETUP



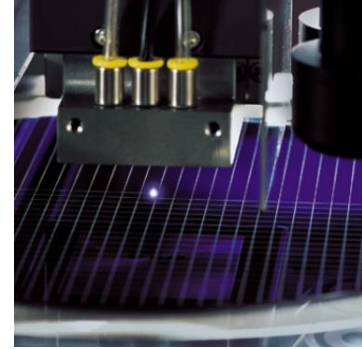
# THE NEXT GENERATION



**MARKING**



**CUTTING**



**WAFER SINGULATION**

# INPHOCAL CORE TEAM



**ROBERT VAN TANKEREN BSC. MSC.**

Co-founder & CEO



**KATHY VREDEVELDT BSC. MSC. MBA**

Co-founder & CFO



**MARTIJN BOERKAMP BSC. PHD.**

Co-founder & CTO



**FRANK BISTERVELS MSC.**

Chief Commercial Officer



**AFROOZ TAHERIZADEH BSC. MSC.**

Industrial Designer



**ANNA VAN DER BOOM BSC.**

R&D Manager



**SHOROUQ SHURRAB MSC.**

Quality Engineer



**SAJAL KUMAR DHARA BSC. MSC. PHD.**

R&D Engineer



**CHRISTIAAN DE SNOO BSC.**

Senior System Architect

# OUR TEAM IS PROUDLY SUPPORTED BY

European  
Innovation  
Council



PLUGANDPLAY



STARTLIFE

ASML









# LIGHT WITHOUT LIMITS

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