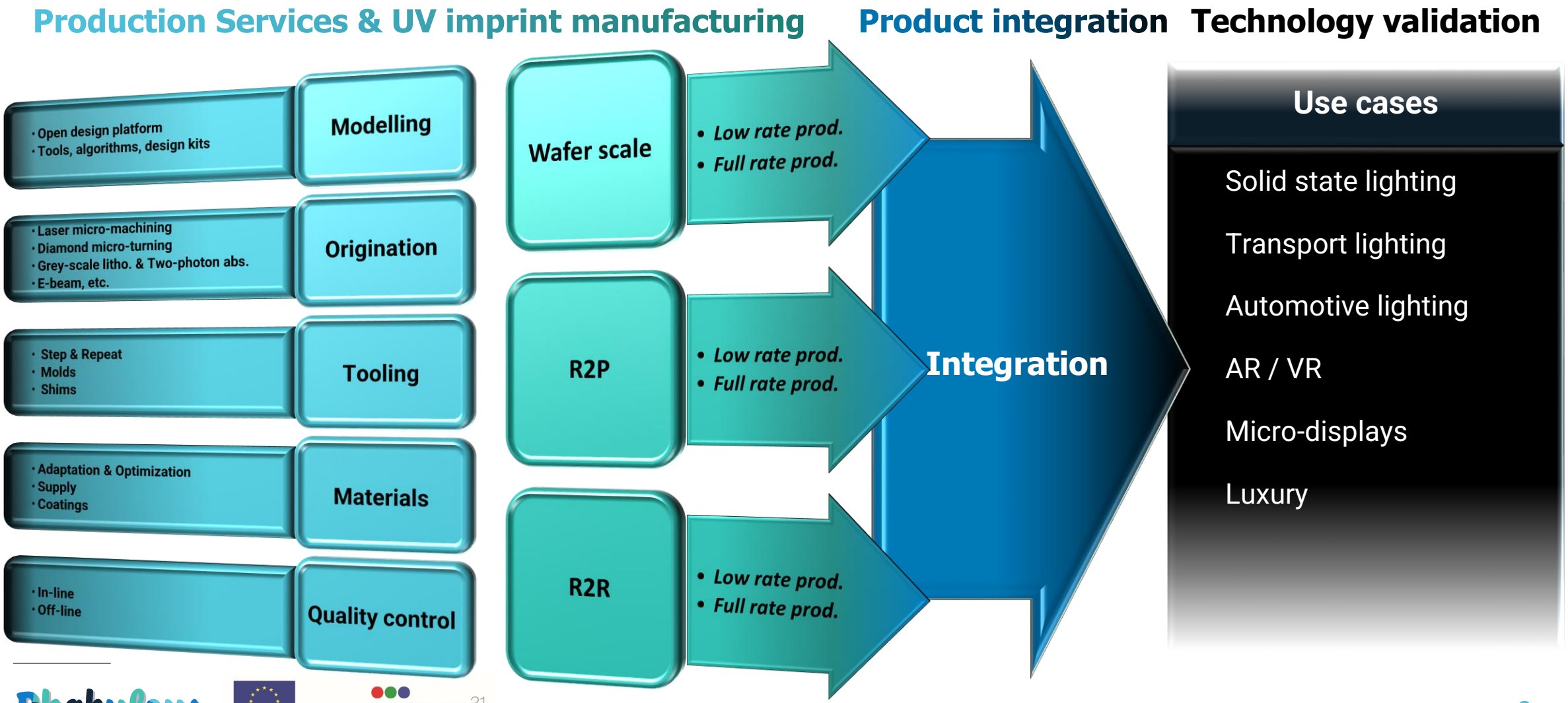
Phabulous

… is the European pilot line and one-stop-shop for the manufacturing of free-form micro-optics

… offers

- **accelerated innovation & production cycles**
- **manufacturing services**
- **prototyping → piloting → large volume production**

« What »


Production Services & UV imprint manufacturing
Product integration
Technology validation
Modelling
• Open design platform
• Tools, algorithms, design kits
Origination
• Laser micro-machining
• Diamond micro-turning
• Grey-scale litho. & Two-photon abs.
• E-beam, etc.
Tooling
• Step & Repeat
• Molds
• Shims
Materials
• Adaptation & Optimization
• Supply
• Coatings
Quality control
• In-line
• Off-line
Wafer scale
R2P
R2R
• Low rate prod.
• Full rate prod.
Integration
Use cases
Solid state lighting
Transport lighting
Automotive lighting
AR / VR
Micro-displays
Luxury

Solar, Energy & Daylight

Lighting

Automotive

AR / VR

Security & Branding

Optical instrumentation

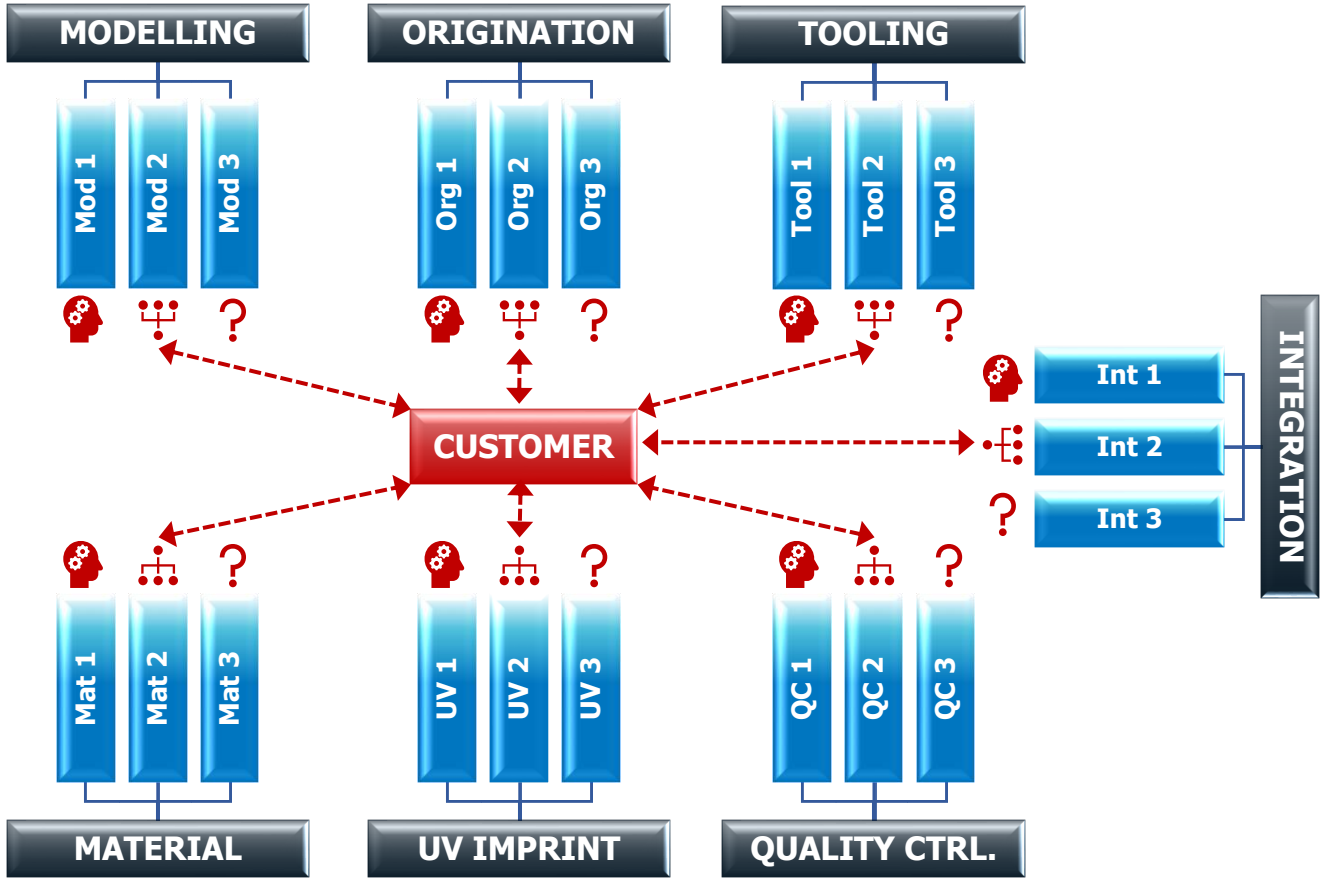
Imagers & Displays

Decoration & Luxury

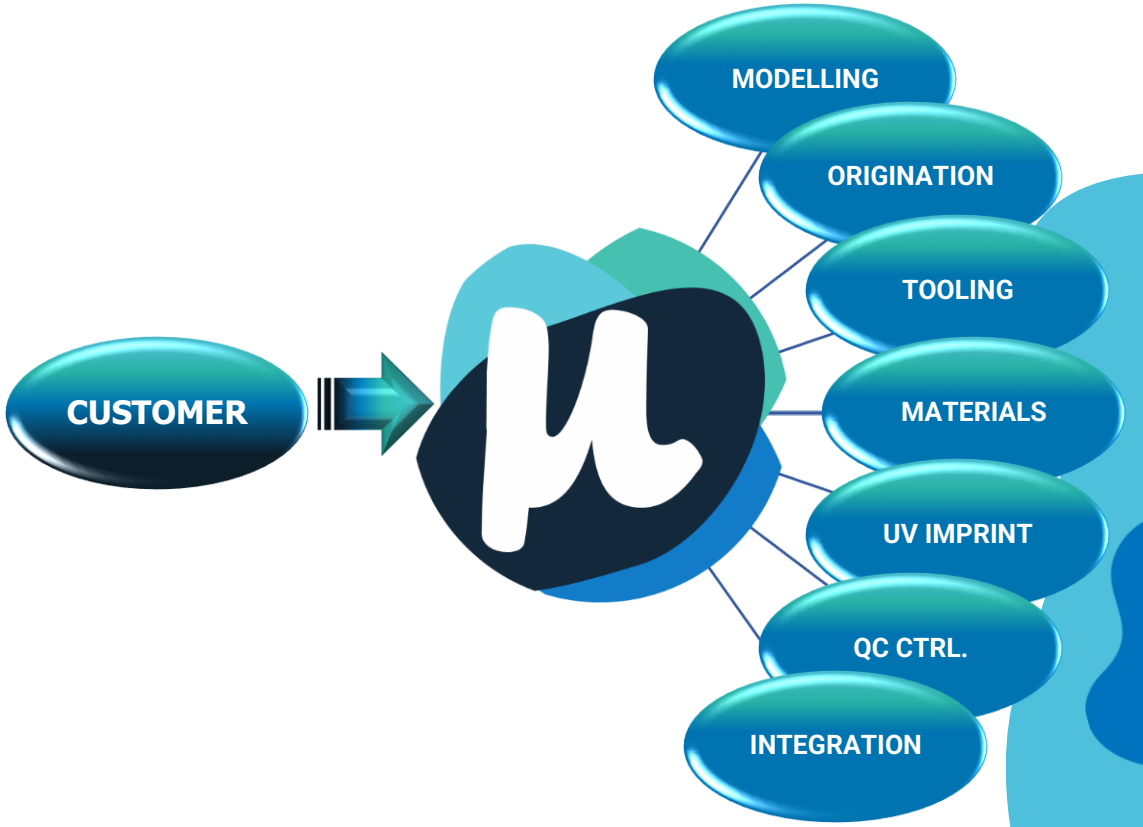
Consumer electronics

« Why »

Without PHABULOuS



With PHABULOuS



« Open Call »

Funding opportunity to implement free-form micro-optical components

… is open to all European companies

… fundings up to 90%

… continuous open call with cut-off dates:
end of March, June, November 2022 +2023

www.phabulous.eu/open-call

MICRO-OPTICS IS...

csem · JOANNEUM RESEARCH · VTT · Fraunhofer FEP · SUSS MicroOptics · leti · morphotonics · NANOCOMP · Wielandts upmt · LASEA

limbak · PowerPhotonic · MICROOLED · SEISENBACHER · SWAROVSKI · HELLA · ZUMTOBEL · EPIC European Photonics Industry Consortium · AMIRES · phabulous

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MICRO-OPTICS IS...

Thank You

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