

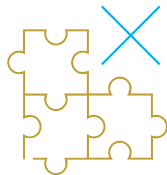
Empowering businesses through the new Pilot Line service

Researchers, original equipment manufacturers (OEMs), SMEs and start-ups sometimes face a multifaceted challenge involving integrating sophisticated photonics components into complete, functional modules ready for mass production. These modules may also need to integrate products from various manufacturers to meet specific project requirements.

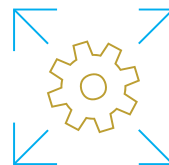
Several factors add to the complexity of this integration:



The need for diverse optical components such as fibers, lenses, gratings, shutters, and scintillators, along with the requisite integration expertise.



A lack of in-house expertise or human resources, necessitating a reliance on external consulting companies to design these intricate modules.



The project's scale, which demands mid-to-high volume manufacturing capabilities.



The necessity for funding to support the project's execution.

Addressing these challenges requires a strategic approach that combines technical proficiency, project management, and financial resources to deliver an integrated solution that meets the specifications and timeline. OEMs, SMEs, and researchers frequently struggle with these issues resulting in promising ideas failing to reach their full potential. Our service was created specifically to tackle this, by bridging the gap between lab and full-scale manufacturing of photonics modules and integrated systems.

Hamamatsu's solution: a Pilot Line service

Hamamatsu's one-stop-shop Pilot Line service in partnership with PhotonHub Europe stands out in providing a multi-faceted solution which includes:



Technical Expertise

Assistance in research, development, and implementation of advanced technologies, prototyping, and access to vast experience in producing market-ready, mass-produced solutions.



Business Resources

Hamamatsu's Pilot Line offers strategic business resources in conjunction with our partner, Photon Hub Europe, that aid businesses in improving operational efficiency.



Mentorship and Guidance

Hamamatsu and partners provide invaluable mentorship by connecting businesses to industry experts who offer tailored technical solutions, helping concept creators to make informed decisions.



Access to Funding

While capital is essential, applying for EU financial support is another aspect of Hamamatsu's Pilot Line commitment to supporting start-ups and SMEs. We partner with PhotonHub Europe to make this simpler.

[Visit pilot-lines.com to learn more >](https://pilot-lines.com)

Impact on businesses

By addressing both financial and non-financial needs, Hamamatsu significantly enhances the chances of success for the development of photonic-related product or technology concepts. The combination of investment, technical resources and experience, and mentorship creates a powerful support system to turn a vision into reality.



Photonics Innovation Awards

The Photonics Innovation Awards are an exciting initiative designed to recognize innovative ideas in photonic technology that address critical challenges we face today. A key component of this award is its integration with Hamamatsu's Pilot Line service, which provides the necessary support for participants to transition their concepts into market-ready products. Winners will also receive €10,000 and a year's promotional support.

[Submit your idea by May 2025^{\[1\]} >](#)



As businesses continue to shape the future of innovation, having a robust support structure for making new photonics concepts a reality is crucial. Hamamatsu's Pilot Line service offers a unique approach that not only addresses the immediate needs of start-ups, researchers and OEMs, but also contributes to a flourishing entrepreneurial ecosystem.

Contact us if you have any questions: pilot.line@hamamatsu.eu

References

^[1] Hamamatsu Photonics, Photonics Innovation Award 2025 [online]: https://www.hamamatsu-news.de/promo/24_photonics_innovation_award/index.php?l=int&u=registration