

Hamamatsu provides custom opto-semiconductor devices that meet your needs.

Hamamatsu accepts custom orders for photosensors and light emitters. From specification review to delivery, we stay in close communication with you, and provide the most suitable devices to meet your needs.

From specification changes of standard products to new devices, we will inquire your desired specifications.

Specifications Review

CUSTOMIZE

- Wavelength used
- Light intensity
- Size
- Price
- Standard (e.g. CE, FDA, AEC) etc.
- Light intensity
- Interface

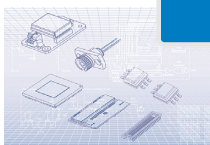


Example Requests

We want to...

- "Use it in certain places."
- "Output a certain signal."
- "Detect light at high speed."
- "Detect light of a certain wavelength."
- "Emit light of a certain wavelength."
- "Make the detector smaller."
- "Detect weak light."
- "Realize lower prices."
- "Consult about both the detector and the emitter together."

Design



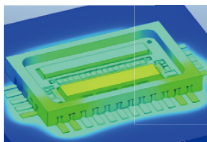
Hamamatsu's design team makes plans and does design based on requested specifications.

CUSTOMIZE

- Photosensitive area design
- Package design
- Circuit design, etc.

Simulation

We perform simulations from various aspects with our in-house simulation technology.



CUSTOMIZE

- Spectral response
- Package
- Heat
- Stress
- Circuit, etc.



Prototyping & Evaluation

You then evaluate the prototype. Optimization is done based on these evaluation results.

Determination of Specifications

We work with you to confirm and determine specifications.



Next-Generation Product Development

When we receive further requests for custom products in the future, we will use our accumulated technology and know-how to propose even better products.



Mass production

Wafer process and package assembly. We can deliver packages in your requested packaging form.



Hamamatsu opto-semiconductor manufacturing technologies, the basis for customization

Our opto-semiconductor devices have been used for many years in a wide range of fields, including scientific measurement, medical, automotive, industrial, and consumer products. We have a rich product lineup supporting various wavelengths, and we can do integrated production for each step, from design, semiconductor process, assembly, and inspection.



Custom modules also available

We can manufacture individual devices, as well as custom modules applying them. Hamamatsu combines opto-semiconductor technology, optical technology, circuit technology, mounting technology, and software technology to provide them in an easy-to-use module format.



HAMAMATSU

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<https://www.hamamatsu.com/all/en/support/inquiry.html>