

Lasers for Use in Movie Projectors, Illumination, and Medical Technology

Introducing a New Product Range: Powerful Lasers from NECSEL

Do you go to the movies regularly? Then you have most likely followed the transformation over the past ten years when the first movie theatres moved to digital projection. Laser projectors have been in use since 2015.

In laser projectors, the images are created with three laser sources - red, green, and blue. They do not require imaging optics; projection is, therefore, possible even on a curved screen without sacrificing edge-to-edge clarity. The output from the powerful laser diodes are just as bright as the xenon lamps that have previously been used.

Our partner NECSEL offers such laser sources: The maximum power achieved in lasers that emit single wavelengths is as follows:

- Red: Up to 8W at 640nm
- Green: 3.5W at 532nm
- Blue: 10W at 445nm

NECSEL's lasers are not only used in laser projection but also in medical technology, forensics, and illumination.

This product range includes lasers with single wavelengths, multi-colour lasers in which up to seven wavelengths are integrated in a single housing, and RGB lasers with three wavelengths.

All modules are developed and manufactured in California. The company was founded in 1997 and is a leading supplier of laser system solutions with wavelengths in the visible range. With its patented technology, NECSEL has transformed the movie projection and special illumination markets.

More Information

Trade Shows

Photonex, October 11 - 12, 2017, Ricoh Arena, Coventry, Booth D15

The Company

LASER COMPONENTS specialises in the development, manufacture, and sale of components and services in the laser and optoelectronics industry. At LASER COMPONENTS, we have been serving customers since 1982 with sales branches in five different countries. We have been producing in house since 1986 with production facilities in Germany, Canada, and the United States. In-house production makes up approximately half of our sales revenue. A family-run business, we have more than 200 employees worldwide.