

# Laser technologies in Lithuania



Lithuania  
Co-create



Lithuania is home to one of Europe's most agile and collaborative laser technology ecosystems. Known for precision, innovation, and reliability, Lithuanian laser solutions are trusted worldwide – serving industries in over 80 countries and contributing to global value chains across manufacturing, healthcare, aerospace, and advanced photonics markets.

## Why Lithuanian laser industry?

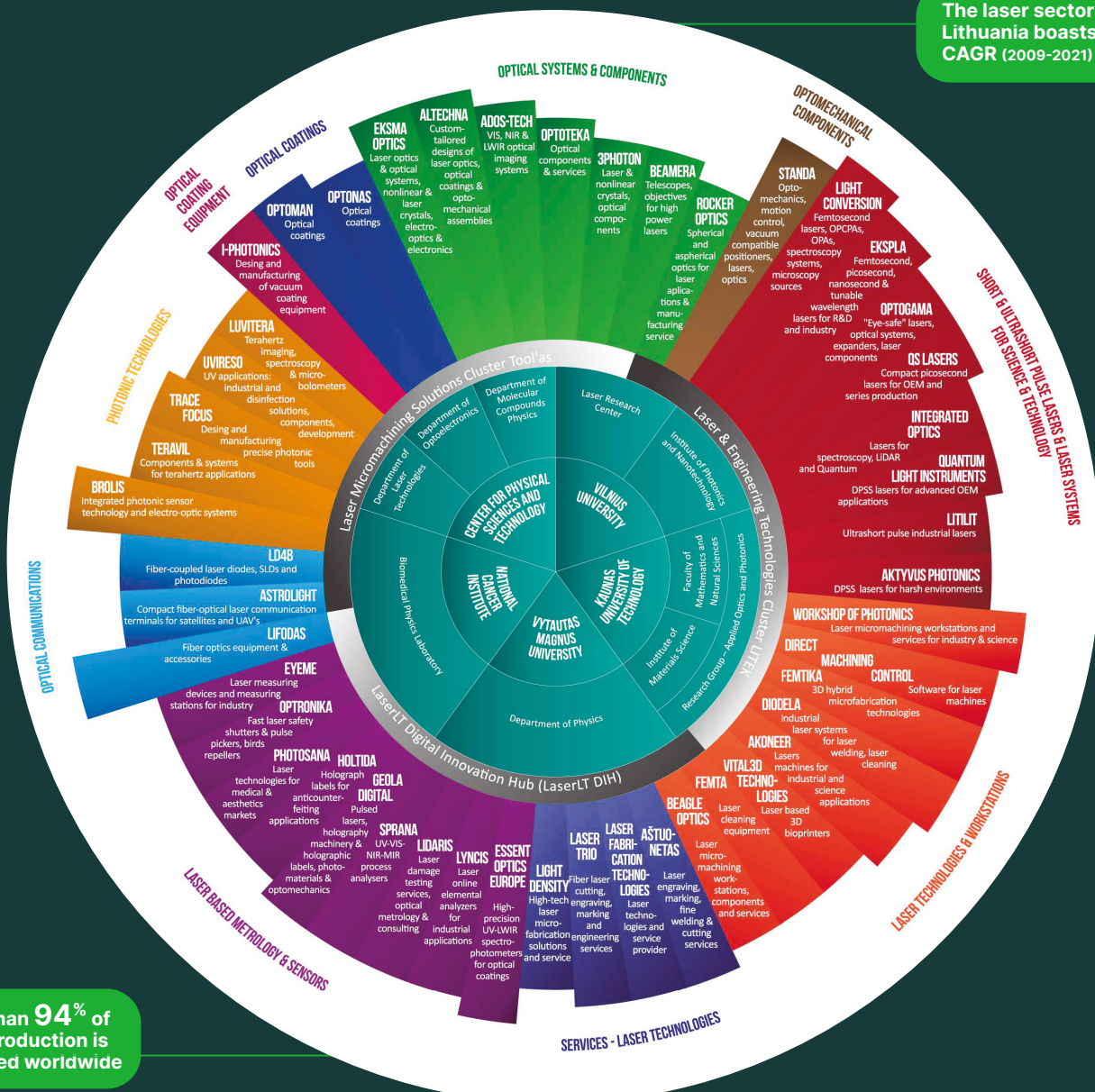
60+  
companies

2160  
people

5  
research centers and universities

284M€  
sales revenue

The laser sector of Lithuania boasts a 15,5% CAGR (2009-2021)



## Core competences

### Ultrashort pulse lasers & Systems

Industrial Scientific Tunable High-power

### Laser processing technologies & Equipment

Micromachining Laser workstations OEM solutions

### Optical components & Optomechanics

Coatings Optics Crystals Optoelectronics

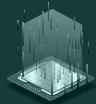
### Spectroscopy, Communication, Sensing

Nonlinear Microscopy Metrology Imaging Diagnostics

## Applications



Science



Manufacturing



Medicine



Automotive



Space



Telecommunications

Lithuania exports its laser  
to **80** countries worldwide

## Top export markets in 2020 - 2024



■	USA 16.3%
■	Germany 14.3%
■	China 12.2%
■	Japan 6%
■	Switzerland 5%

Source: Statistics Lithuania



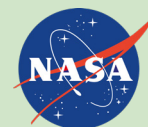
ltoptics.org

Extreme-high intensity laser  
**SYLOS** was created  
in Lithuania.

96 out of world's  
top 100 universities  
are using Lithuanian lasers,  
including:

- Massachusetts Institute of Technology (MIT), USA
- Stanford University, USA
- Harvard University, USA
- University of Cambridge, UK
- University of Manchester, UK

## Lithuanian lasers are trusted by



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Innovation Agency Lithuania is the official public agency responsible for the development of Lithuanian innovation ecosystem and the promotion of innovation at all stages of business development.

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