



Pure Color Lasers for Precision Applications

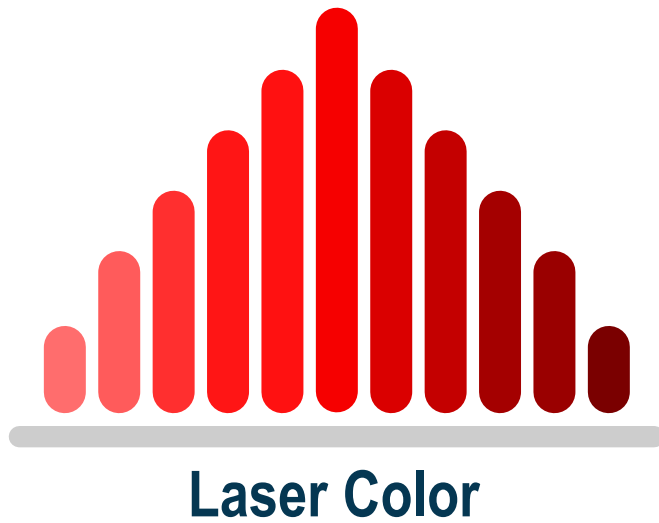


The Need: Lasers with Pure Colors

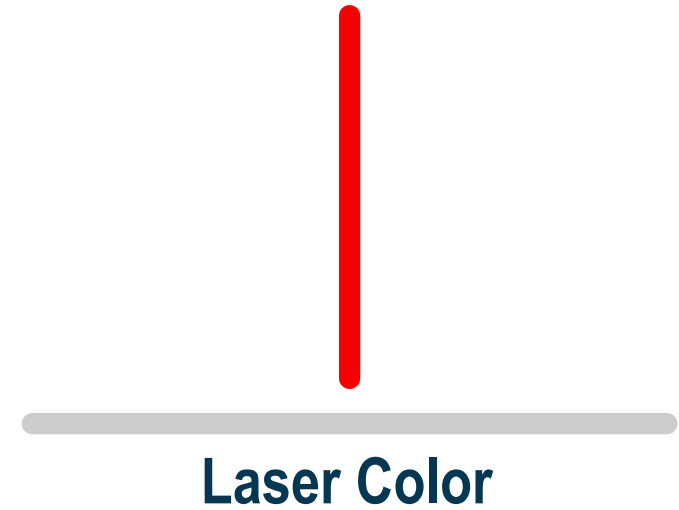


The Problem: Noisy Lasers

It is very challenging to find lasers with pure colors



MicroR Solution



MicroR Markets

1. Quantum Technology



Quantum Computing
EUR 1 bn

2. LIDAR



Long Distance LIDAR
EUR 1 bn

3. Telecom



Coherent Communication
EUR 10 bn

4. Sensing



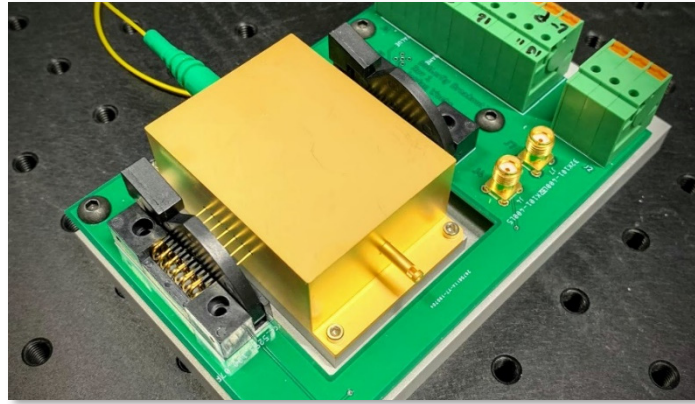
Fiber Sensing
EUR 7 bn

5. Space



Communication and GPS
EUR 100 mn

The Solution: **MicroR** Microresonators



Our prototype

A **compact** laser with **> x1000** lower noise

- ❖ MicroR's technology works like an ultra pure filter for laser light

Team



Dr. Maxim Karpov
Co-CEO – Expert in Comb Technology
Ph.D EPFL,
SNF Bridge Fellow



Dr. Andrey Voloshin
CTO – Laser Specialist
Former CTO of Machine Vision Company



Dr. Nikolay Pavlov
Lead Physicist – Can make anything work
Ph.D Moscow Institute of Physics & Tech



Dr. John Jost
Co-CEO – Quantum & Atomic Physicist
Ph.D Univ Colorado, Boulder USA
Worked with 2 Nobel Prize winners (2012, 2005)



Prof. Dr. Tobias Kippenberg
Science Advisor
Expert in optical microresonators
One of the most cited scientists

Traction

Customer ready to pay (€ 100k)

Letters of intent received

Part of € 6mn EU computing project

Developing lasers for ESA



john.jost@microrsystems.com

Raising a seed round

€800k

