



**Adam Tas Corridor Energy**

# **Austrian silicon photonics module manufacturer**





## Overview

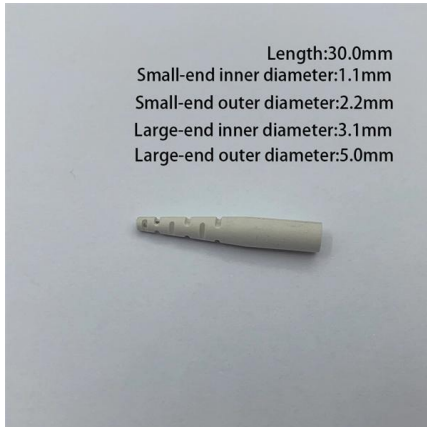
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Silicon Austria Labs (SAL) is Austria's leading research center for electronic-based systems. Within its Microsystems division, the Integrated Photonics Technologies unit develops application-specific photonic integrated circuits (PICs), advanced manufacturing processes, and. EV Group (EVG) specializes in advanced packaging and lithography, with a strong focus on wafer-level optics (WLO), which directly relates to silicon photonics. With the intention of creating tangible system innovation, the PHOS team specialises. Silicon Austria Labs (SAL), a recognized expert in integrated photonics and thin-film technologies, has significantly contributed to PIXEurope, the European pilot line for Photonic Integrated Circuits (PICs), through their strong expertise in thin films & integrated photonics. The research institute will focus on integrating high-performance electro-optic materials such as thin-film lithium niobate and aluminium nitride onto silicon and silicon nitride PIC platforms, enabling ultra-fast modulation, low-power photonic signal processing, and broadband operation (Image).



## Austrian silicon photonics module manufacturer

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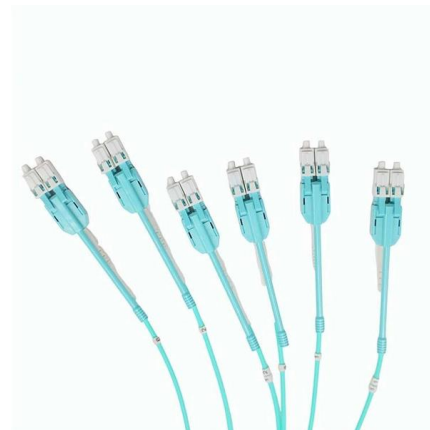


### Silicon Austria Labs (SAL)

Silicon Austria Labs GmbH (SAL) ist Österreichs Spitzenforschungszentrum für elektronikbasierte Systeme - sie sind das technologische Rückgrat der

### SILICON PHOTONICS

Silicon photonics manufacturing is enabled by the infrastructure and knowhow of the silicon CMOS electronics world. Thus, silicon photonics chips can be produced with a level of yield and sub-micron



### Silicon Photonics in Pluggable Optics White Paper

This white paper focuses specifically on the trend toward building optical devices in silicon. "Silicon photonics," as it is called, offers the promise of increased integration of optical components and

### Silicon Austria Labs

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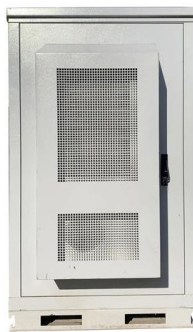


Photonics Technologies unit develops application-specific



### **Photonic & MEMS device assembly, packaging and manufacturing Photonics**

Photonics Foundry has been founded to provide photonic device manufacturers with a holistic approach for small to medium volume



### **Source Photonics: Leading Global Manufacturer of**

Our technical expertise in R& D runs deep with manufacturing process development expertise and highly specialized engineering teams based around the globe --



### **Integrated Photonics Technologies**

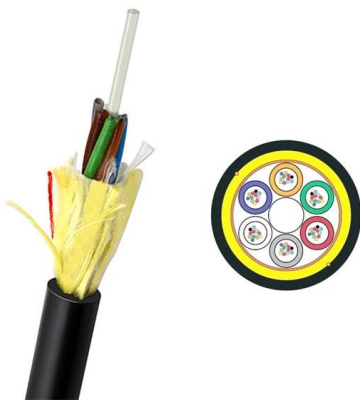
The Integrated Photonics Technologies (IPT) research unit focuses on developing integrated photonic devices for miniaturized and multifunctional sensors for





## Advanced Wafer-Level packaging Pilot line: Fan Out Wafer Level

In the course of the project, a service catalog will be developed for the entire line but also for individual modules, which includes both small-scale production of user prototypes and use for customers' own

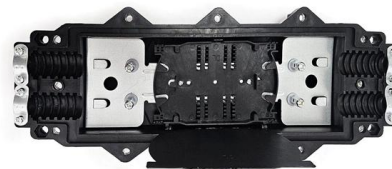


## Top 56 Silicon Photonics Companies in Austria (2026) , ensun

Discover all relevant Silicon Photonics Companies in Austria, including ams and EV Group

## Roadmapping the next generation of silicon photonics

What will the next generation of silicon photonics look like? What are the common threads in the integration and fabrication bottlenecks that silicon



## ANNUAL REPORT 2023

Silicon Austria Labs (SAL) epitomizes a strategic alliance between public stakeholders and the strong local industrial sector, aiming to bolster competitive standing. SAL, as a newly established Research



## Photonics in Austria

Innovation, Research, and European Leadership  
Photonics, a key enabling technology, is at the heart of Austria's high-tech industrial and research landscape. From advanced optical sensors, light sources



## Technology, Research & Innovation in EBS , Silicon

Innovation meets excellence in the SILICON ALPS Cluster: your path to breakthrough electronics-based solutions in Austria. Learn more about us

## Silicon Austria Labs joins PIXEurope

By leveraging its expertise in integrated photonic and thin-film integration, Silicon Austria Labs (SAL) aims to contribute to developing scalable,



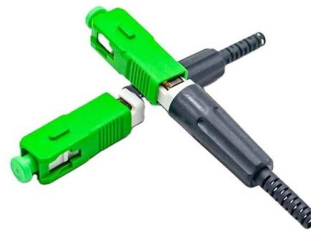
## Silicon Photonics Companies

Intel Corporation (US) Intel is the global semiconductor innovation leader with deep core strengths in leading-edge chip manufacturing, integrated circuit design, and high-performance computing. Intel



## Photonics in Austria

Innovation, Research, and European Leadership  
Photonics, a key enabling technology, is at the heart of Austria's high-tech industrial and research landscape. From advanced optical sensors, light sources



## Top 80 Photonics Companies in Austria (2026) , ensun

Discover all relevant Photonics Companies in Austria, including ams and Tridonic MEINA

## ANNUAL REPORT 2021

Silicon Austria Labs (SAL) is a top European research center for electronics-based systems (EBS). At three locations, Graz, Villach, and Linz, the application-oriented center offers cooperative research





## Silicon Photonic Module Market 2025

Silicon Photonic Module Market Overview Silicon photonic modules are integrated packages that combine multiple photonic and electronic components into

## Silicon Austria Labs Joins EUR400M PIXEurope Initiative to

Silicon Austria Labs (SAL), a recognized expert in integrated photonics and thin-film technologies, has significantly contributed to PIXEurope, the



## Project Brief\_Template\_Vx

Integrated Photonics Technologies specializes in advancing meta-optics and integrated photonic solutions tailored for compact, multifunctional sensors applicable across automotive, consumer

## Photonic Systems

A next-generation condensation particle counter for detecting nano-particles below 100 nm in automotive exhausts was developed in a joint project with Austrian



### **Learn about the photonixFAB value chain**

photonixFAB aims at setting up a European photonics device value chain and initial industrial manufacturing capabilities, providing a path to scalable high-volume manufacturing for innovative



### **Photonik: Silicon Austria Labs an 400-Millionen-Euro**

Silicon Austria Labs (SAL) bringt seine umfassende Expertise in den Bereichen Dünnschichttechnologie und integrierte Photonik in die europäische



### **Silicon Austria Labs (SAL)**

Silicon Austria Labs (SAL) has been founded to be an European top research center for electronic-based systems. In the network of





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