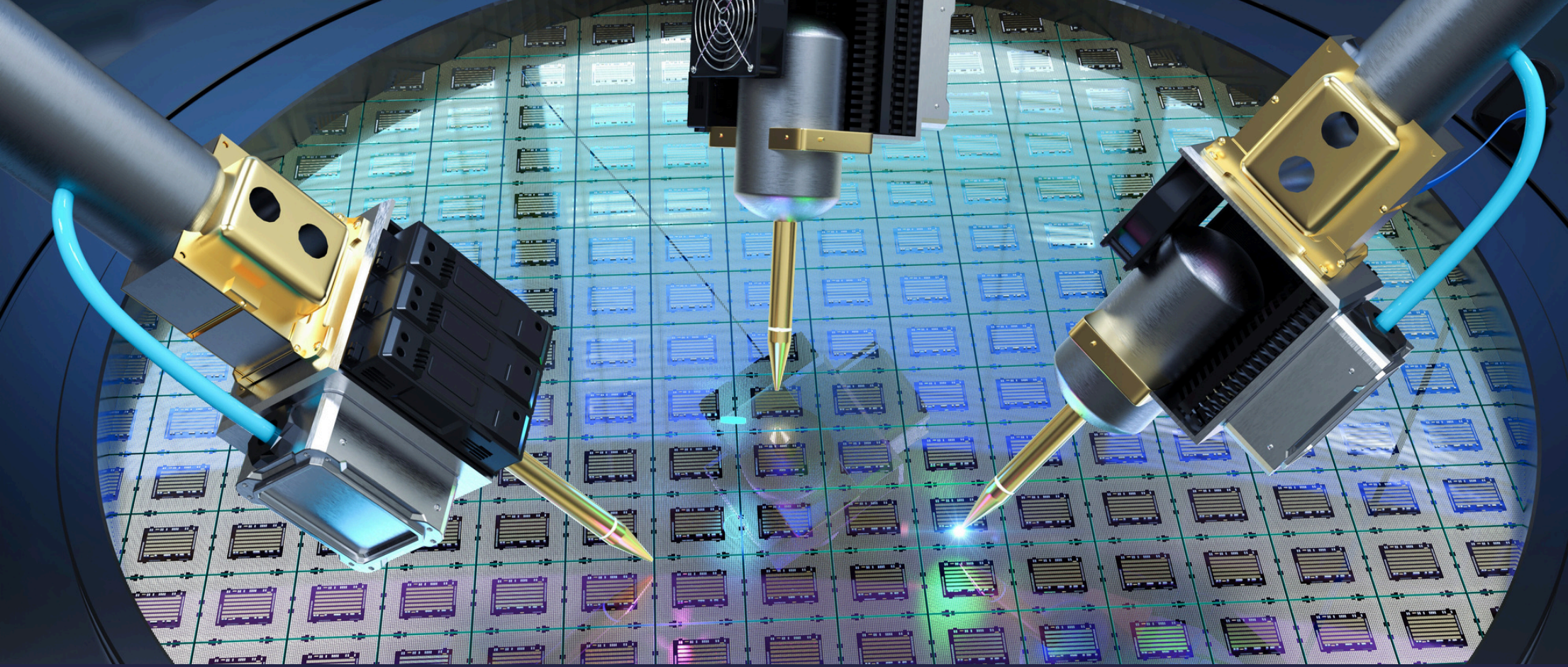




BROCHURE

2025

**11 Science Park Rd
Science Park II
Singapore 117685**



World's 1st Pure-Play Silicon Photonics foundry

Advanced Micro Foundry Pte. Ltd. (AMF) is a pioneering Silicon Photonics foundry at the forefront of advancing high speed Communication, Sensing and Computing. We aim at becoming the de-facto Silicon Photonics foundry by providing best-in-class solutions supported by our proprietary IP and end-to-end support from our team of Optical and Semiconductor experts.

**Volume
Manufacturing**

**Product
prototyping**

**Multi-Project
Wafer Shuttles**

**KGD
Testing**

Serving a wide range of markets



Datacom



Telecom



LiDAR



Sensors

+65 6909 0955

contact@advmf.com

www.advmf.com

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Diverse Technology Portfolio

1. GENERAL PURPOSE PLATFORMS (GP)

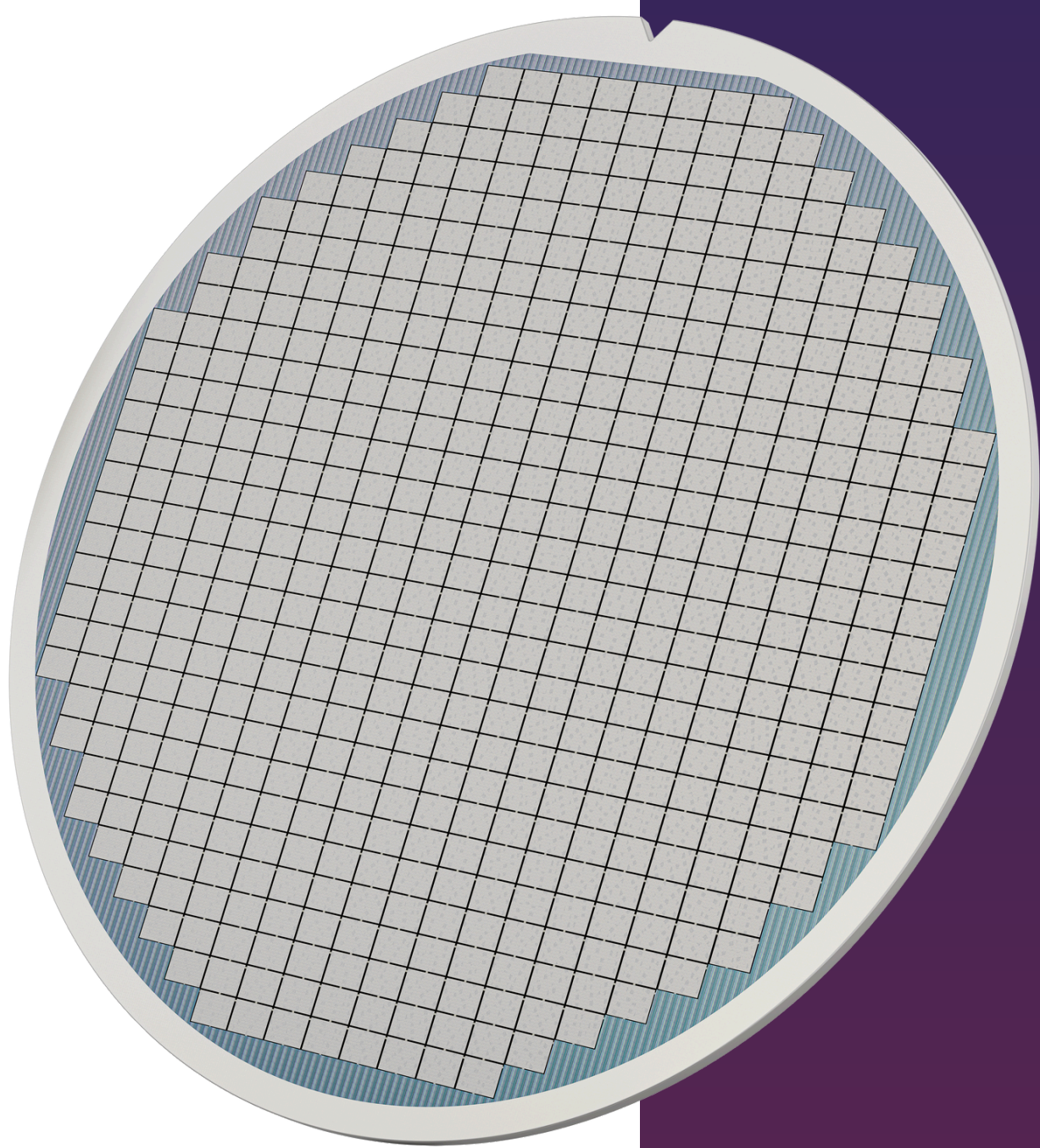
Mature platforms for mainstream applications in Telecom, Datacom, LiDAR and more. Includes Silicon-on-Insulator (SOI) and PECVD SiN-on-SOI.

2. HIGH PERFORMANCE PLATFORMS (HP)

New proven platform built on LPCVD SiN-on-SOI. Tailored for low-loss applications and includes exclusive devices like Non-suspended edge coupler, CWDM and further improvements to our Modulator and High-Speed Photodetector.

3. CUSTOMER PLATFORM (CP)

Customer platform curated for your unique requirements (subject to further evaluation by AMF).



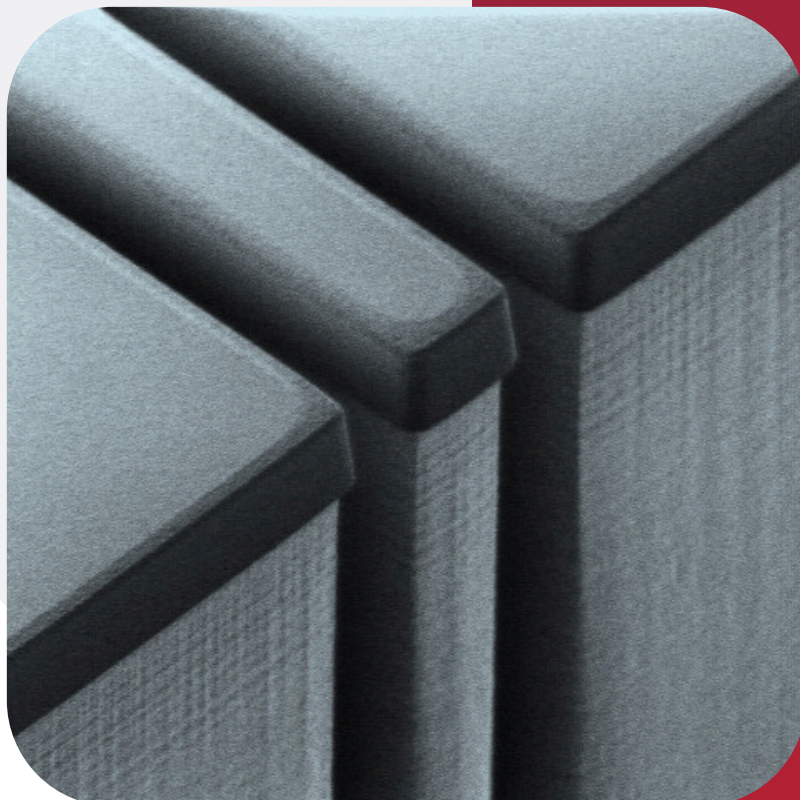
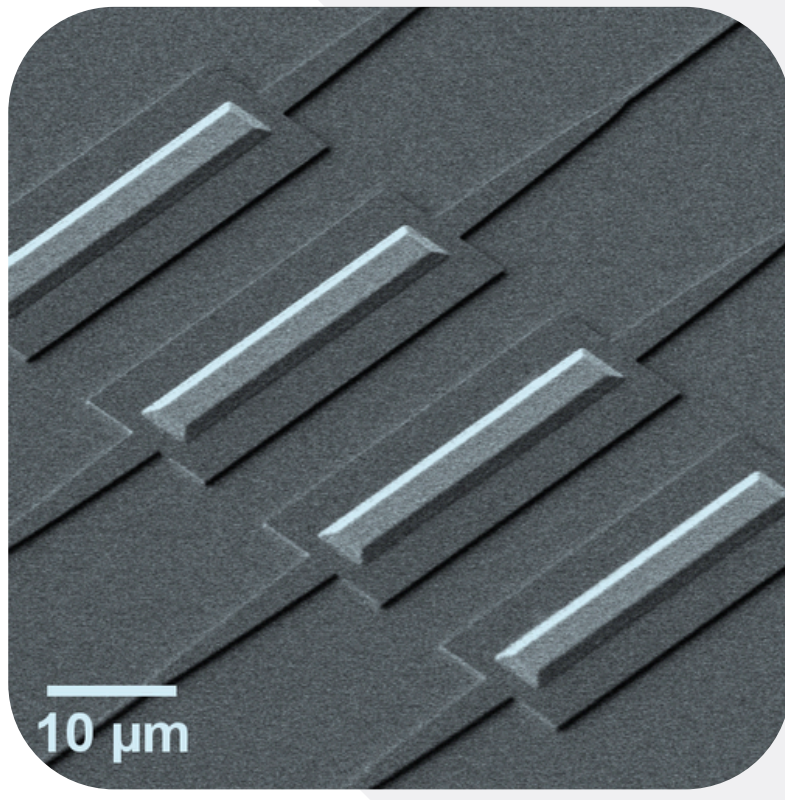
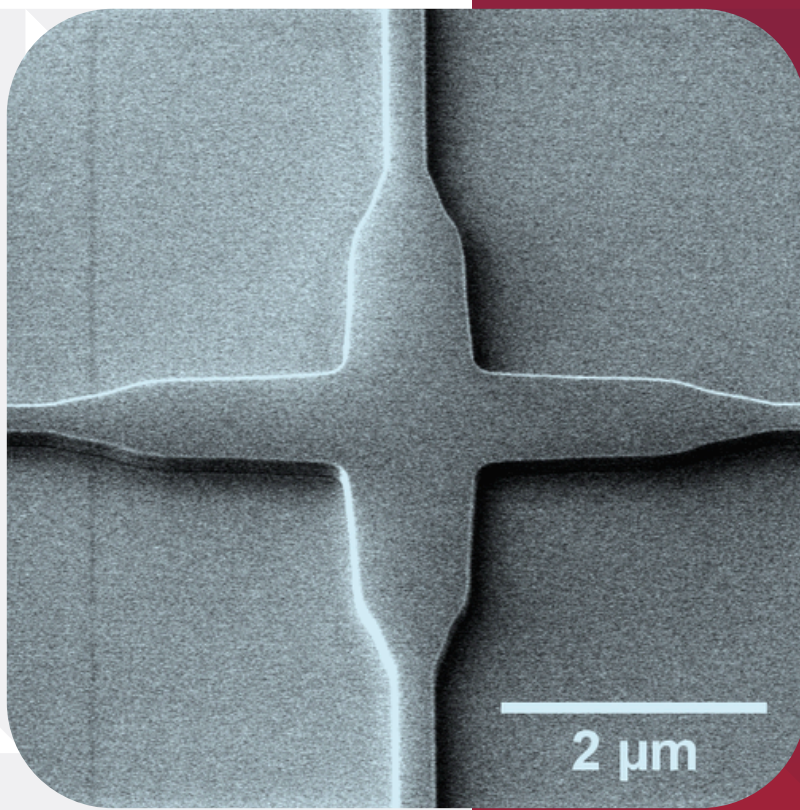
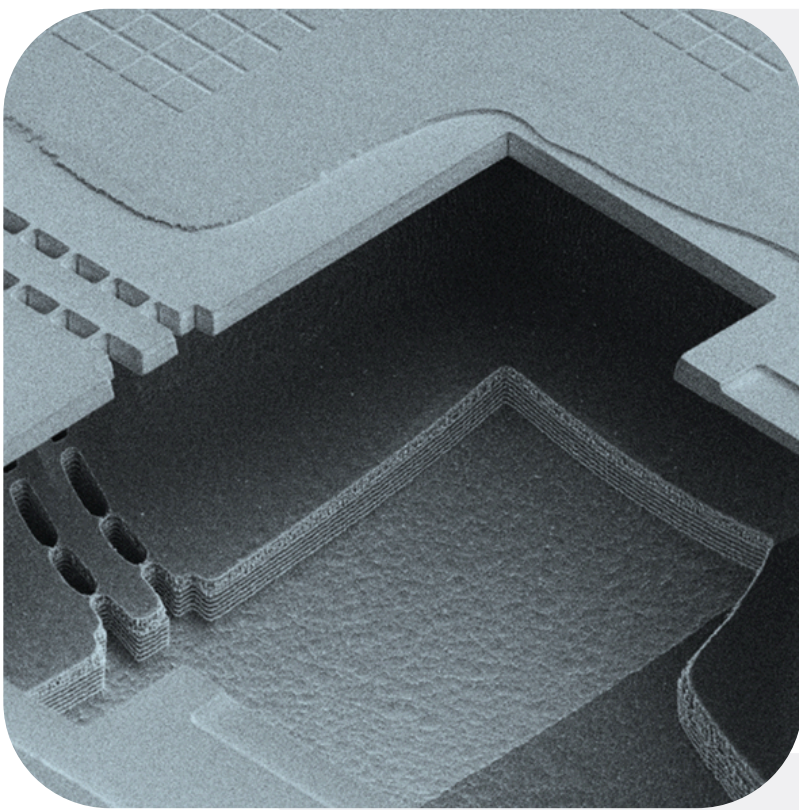
At AMF, we deliver mature and validated Silicon Photonics solutions, so you can focus on scaling with confidence !

Comprehensive device portfolio to Accelerate your TTM



- Comprehensive PDKs (application and wavelength specific)
- >100 proprietary device IP available for integration in your photonic designs.
- Mature, ready to use devices - Low loss couplers, CWDM filters & High bandwidth active IP
- PDK support available on Cadence, Luceda, GDS Factory, Synopsys, KLayout and Ansys-Lumerical.

Key devices	
Ge Photodetector	Edge coupler
High speed SPP Modulator	Grating coupler
Differential Modulator	Thermal Optical Phase Shifter
MMI (1X2 and 2X2)	Crossing





YOUR IDEAL SILICON PHOTONICS FOUNDRY PARTNER

From Prototyping to Production



Singapore

Serving you Worldwide

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