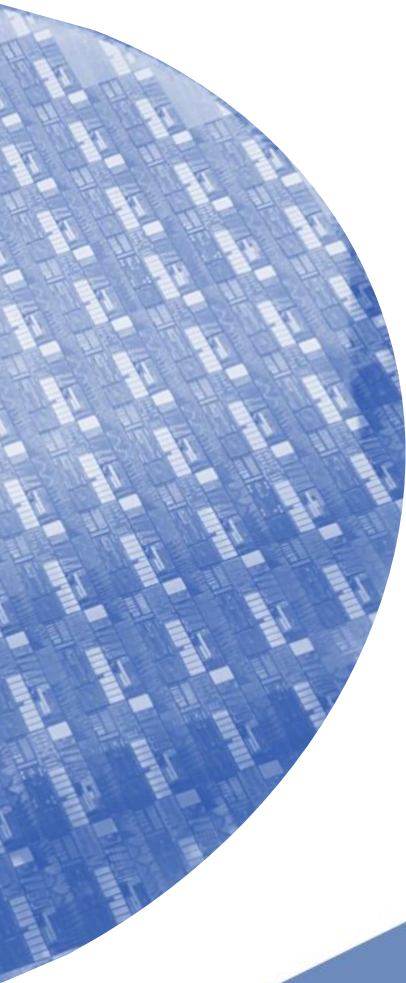


# Silicon Photonics MPW Services

**Turn your Ideas into Prototypes**



**Advanced Micro Foundry** is a leading commercial pure-play Silicon Photonics specialty foundry based in Singapore. With over 20-year track record in Silicon Photonics research, AMF's comprehensive MPW services are widely utilized by Silicon Photonics designers, and the ideal platform to validate your designs.



<b>Platforms</b>	Silicon-on-Insulator (SOI)
	Silicon Nitride-on-SOI
<b>Process</b>	193 & 248 lithography
	Deep silicon trench for edge coupling
	Implantations for high speed modulators
	Germanium epitaxy for photodetectors
	TiN heater and 2 Al metal layers
	Oxide cladding open for exposed waveguides in sensing application
<b>Building Blocks</b>	Waveguides, edge/grating couplers
	Crossing
	Polarization rotator/splitter
	High speed photodetector
	High speed modulator, etc.
<b>PDK Software</b>	Cadence
	KLayout
	Luceda
	Lumerical
	Synopsys (PhoeniX OptoDesigner & RSoft OptSim)

### **MPW Schedule — 2024**

12 MPW runs starting from Jan 2024! (Active and Passive)	Final GDS Submission Due Date*
	1st day of the month

\* Please submit GDS early for design rule check. Any DRC violation must be waived by this date  
Please contact us for ad hoc shuttle run requests

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