



Post-fab turnkey services

End-to-end silicon-finishing solutions— from a single source

Maximize performance and area benefits with GF antenna-in-package, 2.5 interposer and 3D chip-stacking integration solutions.

GF is the industry's only foundry with in-house RF mmWave test capabilities.

Get to market faster with expert-based, flexible services from GF and a streamlined, collaborative supply chain.

Today, integrated circuit (IC) production efficiency is more important than ever. While post-fab assembly, test and advanced packaging are increasingly critical, higher frequencies make circuit testing more challenging, which often impact time to market.

GlobalFoundries® (GF®) offers post-fab services that provide a quick, high-quality and cost-effective path to differentiated solutions—with faster time to market. These services empower customers with a full set of solutions, ranging from wafer bumping and digital probing, to package design and assembly, to comprehensive digital and analog testing. Specialties include RF mmWave test services along with advanced system integration made possible through 2.5/3D packaging interposers, topside embedded inductors and antenna-in-package with application design kit (ADK) models provided by GF.

GF's post-fab services are available individually or as complete turnkey manufacturing services, which enable GF customers to leverage a flexible engagement model that aligns the strengths of GF and its customers, along with GF OSAT partners. GF's post-fab turnkey services are based on over 20 years of successfully developing, implementing and optimizing a complete post-fab solution.

Whether you simply require bumped wafers to feed into downstream assembly or a more extensive set of services, a GF-managed supply chain can help you get to market faster—with the ability to scale at volume within GF and through the GF Partner Community.

**In-house RF mmWave test services:**

Leverage the combination of GF's extensive RF expertise and tester-on-board (ToB) platform for cost-effective, production-environment mmWave testing that measures key 5G, automotive radar and SATCOM metrics, including linearity, noise figures, output power and phase shifter performance.

**Reliability services:**

GF offers a wide range of application-aligned tests and unique stress services to ensure that hardware meets specified performance and reliability targets so that customers can deliver optimized solutions for automotive, IoT, mobile infrastructure, SATCOMs and more with confidence.

**In-house 300 mm wafer test services:**

Take advantage of the economies of scale and automated efficiency of GF internal wafer test services for cost-efficient digital, analog and SoC test solutions. GF's experts collaborate with customers to develop the hardware and software needed to quickly ramp comprehensive testing.

**Simplified supply chain and one-stop accountability:**

GF offers a full global turnkey flow, from wafer tape-out to delivery of fully tested packaged products, which enables GF customers to benefit from a single purchase order business model with simplified billing and sole point-of-contact accountability.

GF Partner Community

GF's comprehensive ecosystem, composed of all GF partners.

FDX™ Network

The GF ecosystem for building innovative 22FDX™-based products

RF Network

The GF ecosystem for building highly optimized RF products

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Learn more about the GF Partner Community at gf.com/contact-us

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