

Post-fab turnkey services

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



Advanced integration

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



One & only

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, often impacting time to market.

GLOBALFOUNDRIES® (GF®) offers post-fab services that provide a quick, high-quality and cost-effective path to enable 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, enabling you to leverage a flexible engagement model that pairs the strengths of your company with ours and those of our wide-ranging GLOBALSOLUTIONS® ecosystem of OSAT partners. These services are based on our more than 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 our GLOBALSOLUTIONS ecosystem.



In-house RF mmWave test services

Leverage the combination of our 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.



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. Our expert team collaborates with you to develop the hardware and software needed to quickly ramp comprehensive testing.



Reliability services

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



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 you to benefit from a single purchase order business model with simplified billing and sole point-of-contact accountability.

LEARN MORE

Learn how the extensive range of GF post-fab turnkey services and solutions from our extended GlobalSolutions ecosystem can help you bring differentiated products to market faster and more cost efficiently at globalfoundries.com/contact-us

Contact Us



GLOBALSOLUTIONS®

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

FDXcelerator™

The GF ecosystem for building innovative 22FDX-based products

RFwave™

The GF ecosystem for building highly optimized RF products