

Starpack:

A reconfigurable interposer-based packaging platform

How Hybrid Integration's Starpack platform can help you go from singulated devices to an integrated system in weeks

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A reconfigurable interposer-based packaging platform

Hybrid Integration's Starpack is designed to help you integrate your devices rapidly, without forcing performance compromises through standardised solutions or sacrificing time to build a completely custom package. Starpack is scalable; suitable for prototyping, low volume quantities and beyond, with tested and specified performance, giving you a predictable and reliable result.

Current capabilities

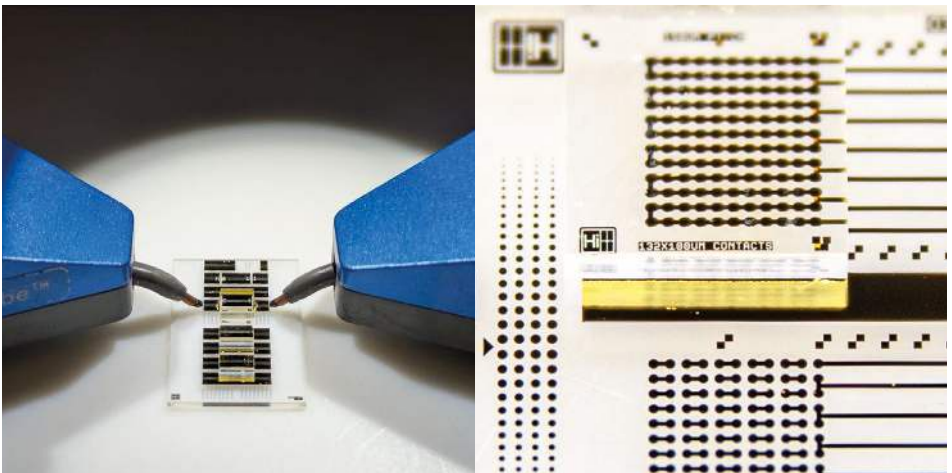
- Glass or silicon substrate
- $<7.5\ \mu\text{m}$ track/gap resolution limit, single layer
- Few-week turnaround for fabrication and attach
- Works with single dies

RF performance:

- $>40\ \text{GHz}$ bandwidth die-to-die
- Low-loss substrates

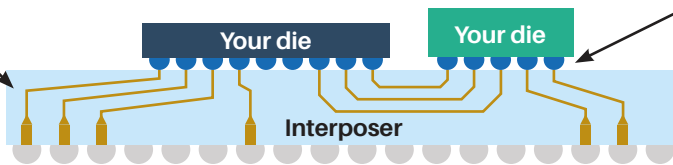
DC performance:

- >100 contacts
- $<20\ \text{m}\Omega$ per contact



Rapidly customisable interposer to provide die-to-die connections and adapt to standard packages

Flip-chip/area-array die attach technology built into platform



Future capabilities

- 2-week turnaround
- Through substrate vias
- Integrated photonic waveguides
- Optical coupling



With thanks to:



Talk to us today to **use the power of Starpack** in your application.

Hi, how can we help?

We're your technical partner, helping you navigate microelectronic and photonic packaging challenges with confidence.

Why we exist

We founded Hybrid Integration after years of facing the same challenges in advanced packaging.

As customers, we saw how difficult it was to find solutions that met our technical and commercial needs – with slow turnaround, limited flexibility and communication challenges forcing us to compromise.

We set up Hybrid Integration to change this.

What sets us apart

- We shape the packaging approach for the project – not the other way around.
- We take the time to understand your needs and help you navigate trade-offs.
- We take ownership of your outcomes – surfacing risks early, communicating honestly and fixing problems fast.
- We keep things transparent, with regular updates and full traceability.
- We build verification into our process to ensure your product performs as intended.

Ready to get started?

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