

# Co-Development Overview

*For funded teams that need micro-scale devices built fast, with invention-grade problem solving.*

## What we do best (without slowing stock microfabrication services)

- We prioritize quick-turn microfabrication runs on our in-house tools.
- For the right funded customer, we engage in focused co-development that de-risks designs and accelerates results.

## Low-friction engagement model

1) Paid Feasibility Sprint (1-2 weeks typical): define goals, run a structured DOE, and deliver data that proves feasibility.

2) Program Option: if the sprint validates value, propose a tightly scoped follow-on with milestones, budget, and success metrics.

Either path never blocks standard service work.

## Sprint deliverables you keep

- Design inputs and assumptions
- Parameter sets and tool recipes
- Process logs
- Image/video evidence
- Static and dynamic characterization
- Performance summary
- Next-iteration recommendations

## Method backbone (adapted from our proven development journey)

Concept -> Engineering -> Implementation -> Characterization -> Analysis -> Iteration -> Validation

We apply the minimum steps needed to answer go/no-go questions quickly, keeping scope tight.

## Pre-packaged Sprint options (examples)

- **Laser Process Optimization Sprint:** Use dual-laser (UV/IR) system to explore cut/ablate/pattern space via DOE; deliver optimal recipes plus microscopy/high-speed video evidence.
- **Characterization and Video Sprint:** High-speed imaging on microscope to validate motion/deflection/frequency; provide slowed video plus measurement notes.
- **Microscale Lamination Sprint:** Precision laminator trials for stackups; quantify bond quality, alignment, and yield versus parameters.

## Commercials and IP (typical)

- T and M day-rate plus materials for sprints; 50 percent deposit to book.
- You own your device IP; our pre-existing platform/process know-how stays with us; foreground co-developed IP handled case-by-case.
- Standard mutual NDA available on request.

## Ready to move fast?

Email us with your objective, budget range, and success metric. We will suggest the smallest sprint that proves value, or point you straight to the stock service that gets it done fastest.