

With over \$5m worth of state of the art equipment located in our ISO 6 and ISO 7 clean room facility, it shouldn't surprise anybody that we are so keen to promote our services as widely as possible. What usually raises an eyebrow, however, is just how broad our client base really is.

MiniFAB's Job Shop has spent the last 7 years making available a unique collection of equipment, processes and capabilities that are operated by a team of experienced engineers and lab technicians to a diverse clientele. Job Shop has successfully delivered hundreds of projects (resulting in thousands of parts) ranging from tiny holes in plastic, microfluidic devices, microtextured surfaces, micro-optics, electroformed tools (up to 1m x 1m), fluidic manifolds, packaged micro-electronics. The list goes on!

What has become apparent during our interaction with so many groups is that MiniFAB can play a vital role in extending the capabilities of our clients by providing them access to ours. For those challenging problems where individual features are too small, material choice is too limited or costs are too high for fabrication using a conventional engineering approach, MiniFAB may well be able to provide a solution. In fact, in some cases there may not be any other way to realize the design.

Some of our clients already have a good understanding of what is needed and make their approach requesting specific instruments or processes, whereas others can be far more flexible with regards to all aspects of the work. In either case, an open mind as to how a challenge is best solved can generate rewarding outcomes with respect to the cost, delivery time and specifications.

Many jobs start as a quick feasibility investigations and grow in stages: first providing small numbers of parts for further testing, then hundreds or thousands of parts for ongoing, small volume manufacturing. Work often begins only requiring access to 1 or 2 pieces of equipment, but this can extend to include many process steps and many different pieces of equipment (e.g., laser, milling, sputter deposition, electroforming, hot embossing, parylene coating, assembly, wire bonding, packaging, etc). The big advantage of bringing this work to MiniFAB is that all of these processes, and many more, are available at a single site, within a single, clean room environment. This means that at MiniFAB, we can greatly reduce turn-around times, increase yield, and therefore reduce your cost.

## For More Information

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