



# Executive Summary

Spending decades in dental labs, I've experienced the constant struggle to make parts more efficiently and affordably without losing any of the quality our doctors expect.

Of course, vat 3D printing works, but at the expense of valuable technician time, large amounts of inventory, and a process that is not always repeatable.

PolyJet™ multi-material 3D printing technology has changed this equation:

- **Cuts hands-on labor in half**
- **Produces up to 10X parts per build**
- **Prints multiple materials on a single tray**
- **Dramatically reduces inventory requirements**

Dental labs have always been challenged with dental technician shortages, tight deadlines, and exacting customer expectations. PolyJet isn't just an upgrade—it's a workflow transformation.

[Learn More](#) ▶





# Time Savings and Efficiency Gains

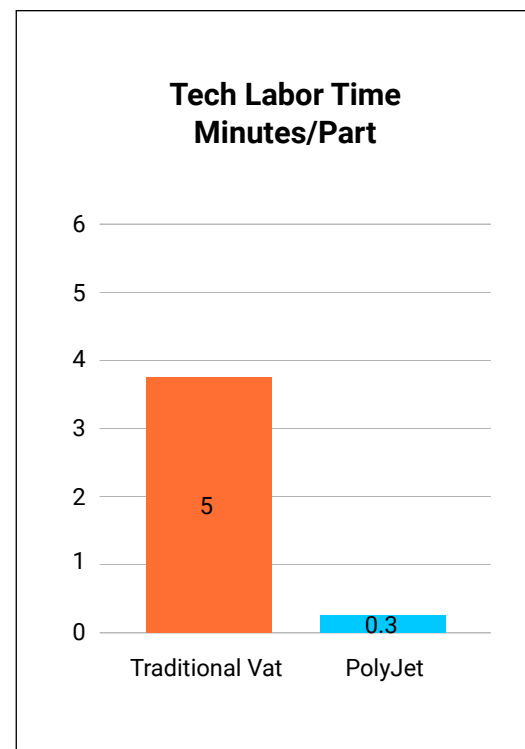
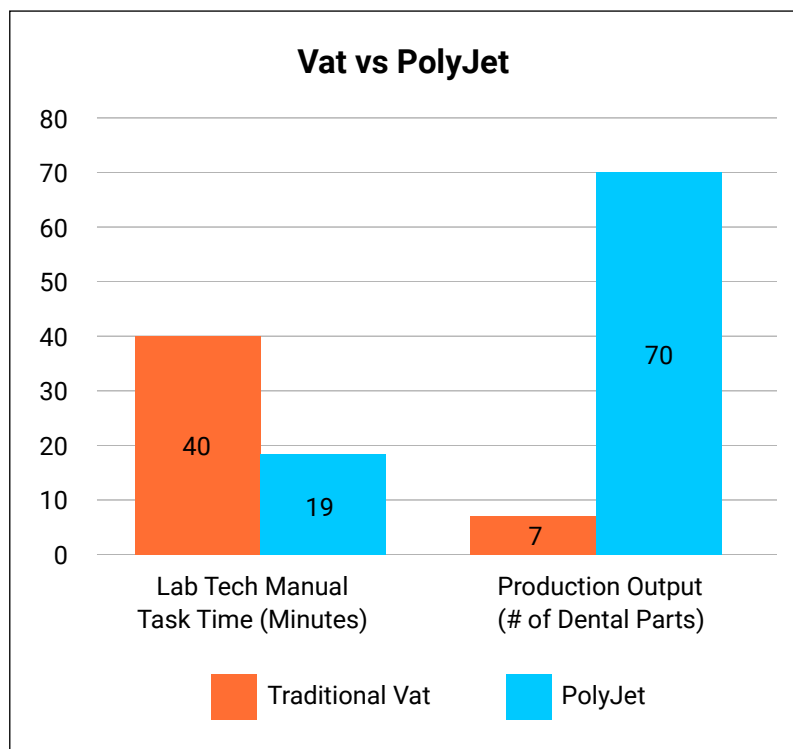
## Here's my perspective:

When you run vat based 3D printers, someone needs to be there monitoring pre-processing and post-processing, with each batch yielding only several parts at a time. With PolyJet, you can set up a build before leaving for the day and return the next morning to 70 completed, consistently accurate parts - a 10X increase in output with less than half the hands-on time!<sup>2 3 5</sup>

The math is simple: PolyJet frees up nearly half of a technician's day compared to traditional 3D printing workflows. That's time they can spend on tasks that fit their skillset in the laboratory.

With the support material that encapsulates PolyJet parts, you will see better fitting parts on the global surface, meaning you get better geometries for die fits, analogs and other implant components and improved detail on downward facing surfaces that were otherwise washed out or distorted with other types of technology. This will result in fewer remakes, better fitting parts and higher quality - all with less labor.

Another detail that is important is raw resin handling. It's not safe, it's messy, and there's a risk of cross-part contamination from non-biocompatible parts to biocompatible parts.



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