

Stepping Up Catheter Production with Vante Ruby



CASE STUDY VITALPATH.

VitalPath manufactures custom, highly complex catheter solutions and subassemblies for medical device OEMs. To maintain their competitive edge, they sought a solution that could streamline their catheter tipping process while maintaining precision and consistency.

To learn more about VitalPath, visit www.vitalpath.com.

PROBLEM

VitalPath's manual catheter tipping process relied on heat guns and reflow methods, taking up to two minutes per tip and often yielding inconsistent results. As they focused on building complex catheter solutions, the inefficiency of their tipping process became a bottleneck, slowing down prototyping and production.

SOLUTION

VitalPath integrated the Vante Ruby Tipping Machine by Machine Solutions to automate and accelerate their catheter tipping process. The machine significantly enhanced both speed and precision, allowing the team to move away from manual labor-intensive methods.

OUTCOME

The Ruby Tipping Machine transformed VitalPath's catheter production, enabling the team to triple their output while maintaining precise and repeatable results. With faster production times and consistent quality, VitalPath now has the capacity to meet growing demands for complex catheter solutions.

"With Machine Solutions' help, we moved from manual tipping to automated precision, reducing tipping times and increasing consistency."

Lawal Bada, Engineering Manager, VitalPath

TAKEAWAYS:

- 1. Rapid Production:** The Ruby Tipping Machine reduced tipping time from two minutes to about 30 seconds -- a 300% increase in production speed.
- 2. Consistent Results:** Automating the tipping process resulted in uniform, high-quality catheter tips that met precise specifications, essential for production process validation.
- 3. Expert Support:** Machine Solutions provided personalized, hands-on assistance, ensuring a smooth transition from manual to automated tipping

WHAT'S NEXT

Impressed with the Vante Ruby, VitalPath is planning on expanding production with a second machine. Says Engineer Manager Lawal Bada: "It's in my 2025 budget because this machine is going to be fully booked."

To learn more about the Vante Ruby Catheter Tipping Machine from Machine Solutions.

Visit: cathetertipping.com
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