

# THE SURPRISING TRUTH BEHIND ASEPTIC FILLING YOU DIDN'T KNOW

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Singota Solutions

*Singota® Solutions is a CDMO located in Bloomington, Indiana, USA that specializes in Parenteral, Early Phase Drug Development and Aseptic Filling projects.*

When you think of aseptic filling, what comes to mind? Perhaps a sterile room filled with high-tech equipment? Sure. A precise and careful process that ensures nothing but pure excellence is delivered? Absolutely. But here's the kicker: at Singota Solutions, we're not just filling vials; we're filling confidence. Thanks to our SA25 Aseptic Filling Workcell - an innovation so advanced it might as well have its own PhD - we're rewriting the rulebook on what's possible in small-batch and early-phase drug development. Curious? Let's uncover the surprising truth behind this marvel of modern science and why the SA25 is your secret weapon in the aseptic filling game.

## **Robotic Is Better: Precision, Sterility, and Unmatched Reliability**

When it comes to aseptic filling, robotic systems like the SA25 are the gold standard for a good reason. Human error is one of the leading risks in sterile manufacturing environments. The SA25 eliminates that variable entirely. Operated in a completely closed system, the SA25 ensures a level of sterility and precision that traditional more open manufacturing processes simply cannot match. In fact, in 2017 Singota Solutions was the first company in North America to implement the SA25 for contract manufacturing use. Singota has used the SA25 to deliver a 100% perfect sterility record of GMP batch manufacturing ever since.

The SA25 has been proven over the past 8 years to provide superior performance in delivering sterile fills. At Singota, we've leveraged this cutting-edge technology to fill vials, syringes, and cartridges with unparalleled fill volume accuracy and consistency. The fully robotic design of the SA25 minimizes contamination risks, streamlines operations, and provides peace of mind for clients who expect and rely on perfect execution for their early-phase and small-batch drug development needs.

The advanced capabilities of the SA25 also include compatibility with dual-chamber syringes and cartridges, making it ideal for clients looking to future-proof their pipelines. Whether you're in early-phase development or preparing for commercial-scale production, the flexibility of this system ensures you'll be ready for whatever your project demands. And the best part? The SA25's precision filling technology minimizes product waste. Conserving the maximum amount of drug product is an invaluable feature when working with high-value biologics and small-batch formulations.

## **Custom Solutions for Unique Challenges**

For small-batch and early-phase clients, time and accuracy are everything. The SA25's scalability and adaptability features provide a distinct advantage in meeting tight deadlines without compromising on quality. Singota provides on-time, in-time manufacturing services. Singota's expertise in aseptic filling ensures that every step of the process, from initial planning to execution, is tailored to your specific requirements. Whether it's a highly complex formulation, a small run, or a batch fill of up to 100L, our teams experience and precision ensures flawless results.

Building on our past success, Singota has made the investment to extensively upgrade our SA25 this year. This enhancement will deliver even greater flexibility and functionality to our manufacturing services, allowing Singota to meet evolving client needs while maintaining fidelity to our history of perfect GMP manufacturing sterility performance. Imagine a manufacturing capability that not only adapts to your project's demands today, but can grow with you as your pipeline evolves. That's the Singota difference.

Singota Solutions offers a comprehensive range of aseptic filling formats and capabilities to support early-phase and small-batch drug development. Utilizing advanced technologies, we provide precise and sterile fills across various formats, including vials, syringes, and cartridges.



The flexibility of our system allows for accommodation of both standard sizes and unique project requirements. The graphic below outlines the available formats and sizes, providing a clear view of how these capabilities can align with specific project needs:

## Formats & Capabilities

Additional sizes may be possible, please contact us to discuss.

Standard sizes include:

**SYRINGES**

1 mL Long	1 mL Standard
2.25 mL Standard	3 mL Standard

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**VIALS**

2R	6R, 8R, 10R
4R	15R, 20R, 30R

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**CARTRIDGES**

1 mL

1.5 mL

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**TYPICAL BATCH SIZE**

0.5L - 100L

### Aseptic Filling Reimagined

At Singota Solutions, our service vision reaches beyond filling vials. We fill the gaps in your drug development process with precision, innovation, and proactive wisdom. Singota uses the SA25 Aseptic Filling Workcell to deliver unmatched sterility and flexibility that sets the gold standard in small-batch and early-phase development. But we're not stopping there. With exciting updates on the horizon across 2025, this year Singota will be able to offer even greater capabilities, ensuring that as your needs evolve, we're already ahead of the curve.

When you're filling a syringe, cartridge, vial, or a pipeline of dreams, Singota Solutions has you covered. Ready to see how we can accelerate your timeline and elevate your results? Let's make your next project the best one yet. When it comes to aseptic filling, the surprising truth is that Singota makes it simple, seamless, and, dare we say, spectacular.

**Singota Solutions** is a US based CDMO in Bloomington, Indiana. Singota specializes in formulation development and aseptic fill finish for injectable projects. Once a formulation is established, Singota utilizes state of the art robotic filling technology and focuses on smaller batch size requirements. For more information, visit [Singota.com](http://Singota.com) to explore how Singota has established itself as a one-stop solution for all your developmental needs.

Contact [solutions@singota.com](mailto:solutions@singota.com) to schedule a meeting with our business development team to further discuss your current or future projects.