

➤ Prefilled Syringe Manufacturing

Work with a Global Leader in Syringe Fill/Finish



The experience you want plus the volume you need:
385,000,000 syringes manufactured over the past 5 years

Global Experience

Experience manufacturing products sold worldwide including North America, South America, Europe and Asia.

Broad Expertise

Serving client needs with clinical through commercial manufacturing, customized support services, and experience with small molecules, biologics, and vaccines (adjuvant & conjugate).

Risk Mitigation Strategy

Three (3) like-in-kind high speed syringe lines located in three (3) different buildings with separate water and HVAC systems, creating a built-in risk mitigation strategy to help assure product availability.

Resources to Get You to Market

By providing high-speed, high-volume syringe filling, with automated inspection, labeling, and packaging equipment that mirrors filling capacity, BioPharma Solutions has the resources to get you to market.

Commitment to Our Clients

We Take Our Commitment Seriously

With over 60 pharmaceutical clients, BioPharma Solutions offers strong organizational capabilities to help ensure our collaboration provides the value you deserve.

Focusing on Results

The BioPharma Solutions team is committed to a common customer service philosophy - to provide service with a passionate focus on results.

Specialized Client Teams

BioPharma Solutions also staffs each project with a dedicated client team composed of cross-functional experts.



A global contract manufacturing leader in prefilled syringe fill/finish, BioPharma Solutions' facility in Bloomington, Indiana, USA is a state-of-the-art 600,000-square-foot campus.



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BioPharma Solutions' processes and systems, including high-speed contract manufacturing and automated inspection systems, are tailored to meet your parenteral manufacturing needs.

Syringe Capabilities

- Aseptic formulation and fill/finish
 - 0.5 mL - 20 mL syringe sizes
 - Diluents for Reconstitution
- Plastic or glass syringes that are received clean, sterile, and ready-to-fill in a nested tub configuration double bagged
- Filling options: rotary piston pump or peristaltic filling mechanisms

Packaging Flexibility

- Option for manual or full automated Eisai inspection
- Option to choose from a variety of secondary packaging options and product enhancements including plunger rod, finger flange, product insert, carton, and blister
- Option to design custom label



Full-Service R&D Support

- Formulation Development
- Silicone and/or tungsten sensitivity evaluation
- Container selection feasibility study & development stability studies
- Sheer sensitivity and pumping mechanism studies
- Particulate matter measurement and characterization
- Extractables and leachables testing (outsourced)
- Functional testing (Glide force - break force)
- Analytical method development and validation

QC Stability

- Storage at ICH conditions in validated chambers
- Sample testing per stability protocol or project plan
- Assistance in stability project design
- Documentation through LIMS reports available

Regulatory

- Support the authoring of CMC documents for a client's submission
- Maintain and provide references to established Drug Master Files for:
 - Facility
 - Syringe container closure
- Additional support as needed



Work with an experienced, award-winning CMO:

- **2018, 2017, 2016, 2015, 2013, and 2012 CMO Leadership Awards (Life Science Leader)**, Winner in Multiple Categories (6-time winner)
- **2017, 2015, 2012, 2011, 2010 Best Contract Manufacturing Organization**, Vaccine Industry Excellence Awards (5-time winner)

To contact us, or for more information, visit our website:

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