

More than Filling.



## Vetter Development Service



Pharma solutions for tomorrow, today.

## The right partnership helps you achieve more.

The experts at Vetter Development Service can help you bring your liquid or lyophilized drug product to market with exceptional efficiency—and establish a decisive edge over your competition.

### **Experience makes the difference.**

**Who is Vetter?** We are an independent international specialist in the manufacturing of aseptically prefilled delivery systems—including syringes, cartridges, vials, and dual-chamber systems.

- Headquartered in Ravensburg, Germany—with a new US facility opening in Skokie, Illinois.
- A partner to the world's leading pharmaceutical and biotechnology companies
- Experienced with many compounds, including more than 25 client products with FDA approval
- Specialists in innovative drug delivery systems

### **Dedicated support from start to launch...and beyond.**

Whatever your product's unique requirements, Vetter Development Service has the resources to help you expedite development from lab to clinic to market.

- Dedicated project management with a streamlined "peer-to-peer" focus
- Complex substance expertise—including small molecules and biopharmaceutical substances such as monoclonal antibodies, peptides, and vaccines
- Proactive product life cycle management (PLM) approach
- Early planning for competitive delivery systems to support future success



## Vetter Development Service: a proven “one-stop-shop” partner.

- A full menu of fill-finish capabilities for early and late stage of clinical trial materials
  - Primary packaging development
  - Process development
  - Scale-up for later development phases
  - Clinical manufacturing (Preclinical, Phase I, Phase II, Phase III)
  - Non-cGMP/cGMP semi-automated/automated filling
  - Regulatory affairs services
  - Seamless transfer to Vetter commercial manufacturing
- Global regulatory expertise—FDA, EMA, and other regulatory organizations in Canada, Japan, Russia, Brazil, Mexico, Saudi Arabia, and Korea



Expanding  
Manufacturing  
Excellence  
to Chicago.

### Expanding manufacturing excellence to Chicago.

VDS Chicago, located at the Illinois Science and Technology Park in suburban Chicago, Illinois—offering North American partners convenient access to state-of-the-art clinical services.

- Centrally located in a thriving biopharmaceutical region near prominent research institutions
- 24,000-sq-ft site will include a full range of manufacturing, analytical, and support services
  - Advanced technologies to deliver maximized yields of API
  - Seamless process design for fast, flexible project implementation
  - Wide variety of drug delivery options—including single- and dual-chamber syringes, cartridges, and vials



The power of partnership.

## Vetter Development Service

**Vetter Development Service puts exceptional resources to work for your product.**

**Dedicated, certified project management**—from initial product development through launch and commercialization.

**Dedicated customer approach**—driven by independence, experience, and global accessibility.

### Our full menu of capabilities includes

- **Primary packaging development**  
Selection of the right injection system for optimized production feasibility and efficiency
- **Process development**  
Design of a product-specific manufacturing process and comprehensive feasibility and quality testing to assess specific dosage forms over time
- **Clinical manufacturing**  
Compounding and production of clinical trial materials in the quantities required for early- and late-stage molecule development
- **Pharmaceutical analysis**  
Quality control of raw materials, packaging materials, bulk solutions, in-process materials, and finished product
- **Regulatory affairs services**  
Preparation of required documents for international regulatory approval, per client specifications. Regulatory services support is provided throughout the registration process
- **Transfer to Vetter Commercial Manufacturing**  
Selection of the appropriate methods for commercial drug production

### Dosage forms:

Single-chamber syringes  
0.1ml – 10ml  
Dual-chamber syringes  
0.1ml – 5ml  
Single-chamber cartridges  
0.1ml – 5ml  
Dual-chamber cartridges  
0.1ml – 1.3ml  
Vials  
0.1ml – 50ml

### Vetter Pharma International GmbH

Eywiesenstraße 5  
88212 Ravensburg  
Germany  
phone: +49-(0)751-3700-0  
fax: +49-(0)751-3700-4000  
e-mail: [info@vetter-pharma.com](mailto:info@vetter-pharma.com)  
[www.vetter-pharma.com](http://www.vetter-pharma.com)

### Vetter Pharma International USA Inc.

4901 Searle Parkway, Suite 300A  
Skokie, IL 60077  
USA  
phone: +1-847-581-6888  
fax: +1-847-581-6880  
e-mail: [info@vetter-pharma.com](mailto:info@vetter-pharma.com)  
[www.vetter-pharma.com](http://www.vetter-pharma.com)

Achieve more with Vetter.

© 2011



Pharma solutions for tomorrow, today.