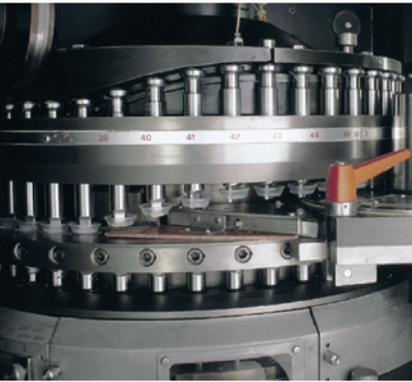
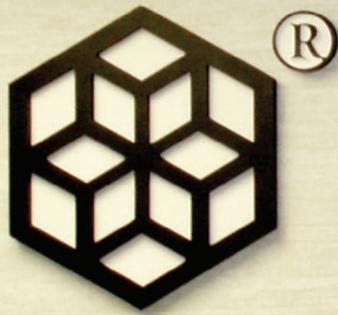


*Dietary Supplements  
Contract Manufacturing  
Packaging/Formulation  
Research & Development  
Quality Assurance  
Regulatory Consulting*



**COMMITTED TO INNOVATIVE PRODUCTS AT COMPETITIVE PRICES™**





# Vesta Pharmaceuticals

## INTRODUCTION



Vesta Pharmaceuticals was founded in 1996 with a single uncompromising goal: deliver the absolute highest-quality dietary supplements to every customer, on time and at an unsurpassed value.

Since its inception, Vesta has grown into a premier cGMP and FDA-registered full service provider of dietary supplements and nutritional ingredients while remaining true to our founding values in every facet of our business.

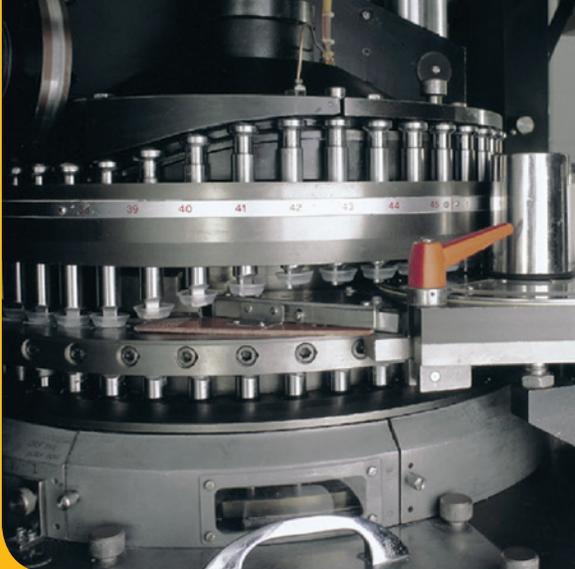
To partner with Vesta is to partner with an industry-leading management team rich in experience and committed to your complete satisfaction. Our leadership team boasts decades of experience in every aspect of dietary supplement production, including: research and development, manufacturing, quality control, sales and marketing, export documentation and regulatory guidelines. Vesta's experts are readily available to understand your concerns, and develop an innovative solution specifically for you.

You expect reliability. You demand quality. Vesta Pharmaceuticals adheres to the strictest industry standards for quality assurance and quality control. We fortify industry standards with our own rigorous QA/QC processes to guarantee the highest levels of quality, consistency, and reliability in every product we deliver.

Call Vesta Pharmaceuticals today at 888-55VESTA, the industry's most experienced technical staff and management team supporting your specific needs, your absolute satisfaction is guaranteed.



*“Our mission is to provide the highest- quality dietary supplements at the most competitive prices to exceed the expectations of our partners.”*





# DIETARY SUPPLEMENTS



Vesta Pharmaceuticals has efficiently coordinated our state-of-the art QA/QC laboratory, GMP manufacturing facility, and high-speed packaging equipment to deliver the highest quality dietary supplements at exceptionally competitive prices.

We have thousands of formulations of herbal extracts, vitamins, and minerals available for immediate manufacture and delivery to you. This broad section of nutraceuticals gives you access to popular supplements demanded by a vast customer base—as well as specialty compounds that command higher profit margins for niche demographics.

Our equipment and expertise ensures that you receive your products in the precise dosage and form factor you need—including tablets, gel caps, hard shell caps, powders, and blends.

At Vesta, we understand there are purer, more effective, and more potent ingredients just waiting to be discovered. Our skilled research and development staff is constantly investigating all emerging scientific and botanical data in order to formulate the next breakthrough dietary supplement your customers will demand.

In short, you reduce costs and increase profits via Vesta's extensive product selection, quality commitment, competitive pricing, on-time delivery, and flexible manufacturing options.



**Vesta**®



*“Tablets, gelatin encapsulation, powders, blends – we have the equipment and experience to deliver them all.”*



### **Formulation and Process Development**

- Blending, drying, granulation and coating
- Brand extension formulation development
- Dosage form specification development
- Product specification development
- Excipient compatibility studies
- Excipient selection and ratio determination
- Formulation of drug products: solids and semi-solids
- Immediate-release dosage form development
- Manufacturing process optimization
- Modified and sustained release dosage form development

### **Formulation Evaluation**

- Compressibility evaluation
- Content uniformity evaluation
- Disintegration testing
- Dissolution testing
- Friability testing
- Powder flow determination
- Stability assessment
- Tap-density testing

### **Clinical and Small to Large Commercial Manufacturing and Small Scale Phase III**

- cGMP manufacturing
- Dosage form preparation and blinding
- Granulation, tableting, encapsulation and coating
- Open and blended clinical packaging and labeling
- Semi-automated encapsulation and coating

### **Regulatory Support & Consulting**

- Facility & Process Validation





# CONTRACT MANUFACTURING



Vesta is a full-service contract manufacturer serving the dietary supplement industry. We can offer a comprehensive package of nutritional products and services. Vesta can assist you with virtually any aspect of bringing your product to market, from product formulation and quality control to manufacturing and sales.

Our FDA-registered cGMP facility will manufacture your supplements in the form you require--tablets, powders, soft gel caps, hard shell caps, and blends--and our modern packaging equipment can supply your product in the packaging you desire--bottles, blister packs or unit doses.

At Vesta, we have the flexibility to provide any quantity of product you need within the budget and timeline you demand. We are happy to manufacture your smaller start-up quantities as well as your complete full-scale production runs. Vesta Pharmaceuticals partners with industry-leading companies to fulfill their external manufacturing needs.

With our experienced staff of technical experts, you can trust Vesta to manufacture your high-quality dietary supplements to your exact specifications. As a result, you can allocate your precious resources on the new products that fuel your business forward.



**Vesta**<sup>®</sup>



*"If you require capsules, our state-of-the-art encapsulation equipment delivers consistent product, batch after batch, for manufacturing runs of any size."*



### Packaging Services

- Bottles
- Unit Doses
- Blister Packs
- Bulk Packaging

### Manufacturing Services

- All Nutritional and Nutraceutical Products
- Tableting
- Soft Gencaps
- Hard Shell Caps
- Powders
- Blending
- Granulation



### Technical Support

- Custom formulations and packaging
- Pilot batches and short runs
- Analytical testing
- Documentation searches

### Full Market Support

- Literature support
- Package and label design
- Label production
- Export assistance
- Export certificates
- Warehousing
- Drop Shipping
- Inventory Control
- Product Registration





# NEW PRODUCT DEVELOPMENT

## **With Vesta, it's easy to:**

- Get ahead of the curve with new products containing the latest active ingredient(s) or combinations.
- Take advantage of new public awareness of emerging or established products.
- Replace expensive trademarked brands with an improved version of a house brand.

Vesta Pharmaceuticals maintains a New Product Development Team that stays on top of the industries latest market trends. Vesta also has the expertise to assure that our clients products are at the forefront of modern technology.

## **Formulations**

Vesta's Research and Development team is your partner in developing a successful product. Our experience and knowledge of the dietary supplement industry ensures your product will be efficacious and meet specifications. Our team has the ability to decrease lead time of the product, increase its quality and efficacy and ensure consistency from batch-to-batch.

## **Pilot Runs**

Our new product development services include pilot runs to guarantee the integrity of the formula and processing steps. Test batches are closely monitored and documented during all phases of the development process to ensure stability and compatibility of the finished product. Our Research and Development team will incorporate manufacturing suggestions and ensure the products meet label claims on a full production scale.

## **Raw Material Sourcing**

Vesta team experts work closely to source, analyze and approve raw materials for use in our products. Each ingredient is subjected to a comprehensive battery of tests to ensure the highest quality ingredients. This certification process ensures a consistent supply of high-quality raw materials. In addition, we partner with established raw material suppliers to ensure competitive prices for a wide variety of quality ingredients.



**Vesta**<sup>®</sup>

*“Vesta has always been committed to manufacturing top quality products at competitive prices, with on-time delivery to every customer.”*



### **Analytical Method Development/Validation**

Development and validation of analytical methods in support of stability testing nutraceutical substances and products, residuals solvent testing and cleaning validation testing.

### **Raw Material/Excipient Testing**

Testing performed according to the following compendia: USP, EP, BP, JP, ACS or FCC, or performed according to client supplied or vendor supplied methods.

### **Stability Testing and Stability Storage**

Testing performed to support national and international regulatory submissions for new products. Commercial product stability programs also supported. Stability storage capabilities with a broad range of storage conditions including all ICH conditions for long-term or accelerated stability studies as well as photostability studies.

### **Comparative Product Testing**

Development and validation of assay, impurity and dissolution methods for over-encapsulated and/or de-branded marketed products. Testing performed to support clinical release, clinical re-assay and stability programs

### **Marketed Product Release Testing**

QA/QC release testing performed to support marketed products.

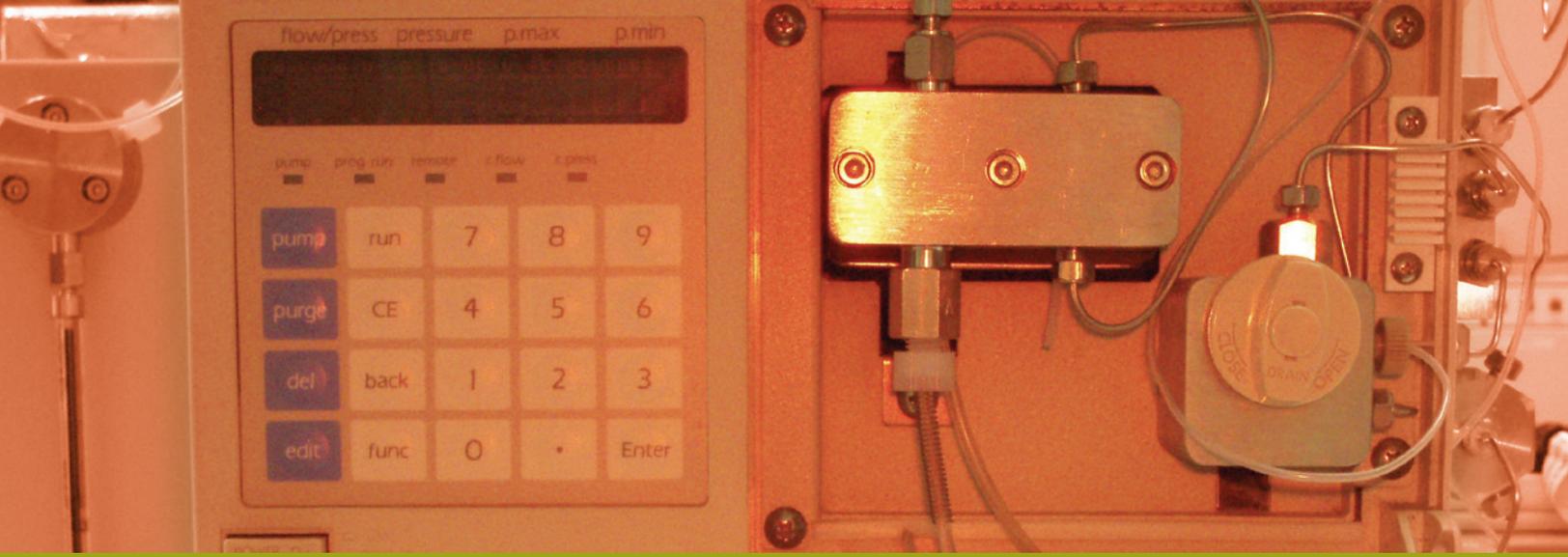
### **Commercial Product Retain Program**

Services provided to store and inspect commercial product retain programs.

### **Consulting Services**

Consulting services provided to support writing method transfer protocols, stability study protocols and analytical method validation protocols.





# TECHNICAL SERVICES

## The Vesta Team is:

### Quality Oriented

Our Management Team has many years of Pharmaceutical and Healthcare industry experience. We are committed to continuously meeting and exceeding the requirements of FDA and cGMP. We have the experience and understanding it takes to get you what you need, when you need it, meeting all current guidelines for quality. You will feel confident in providing your products when you have Vesta on your team.

### Customer Oriented

Whether you have a preliminary idea for a product or a full set of finished product specifications, Vesta Team experts will work closely with you to provide effective dosage forms in an attractive package that will meet your needs and excite your customers.

### Market Oriented

With hot products, ingredients and categories, the Vesta Team is ready to tailor a unique product that will stand out in the clutter of today's marketplace.

### Technology Oriented

Vesta uses the latest ingredients, physical conditions and research reports to deliver specific products and recommendations to help boost your revenue and increase profits.



**Vesta**<sup>®</sup>

*"We steadfastly believe the 'voice of the customer' is the top priority."*



## CUSTOMER CARE

### Our Commitment to You

When you contact Vesta, you receive our complete attention from your very first phone call, email, or in-person meeting with our staff. Our exceptional customer service staff is dedicated to addressing your needs in a prompt, professional, and efficient manner.

We understand that timely information is key to your successful business. Regardless of your inquiry – including quotes, specification sheets, order status updates, product delivery details, international documentation support, and audits of our internal capabilities – our customer service staff is trained to provide specific answers to your questions.

At Vesta, all customers are given the same care, service, and attention they deserve. We are happy to provide our signature full-service contract manufacturing services for the small production runs which growing companies require. Likewise, we have the capability and know-how to execute high volume, tightly scheduled manufacturing runs that mature companies demand.

At Vesta, there is no such thing as a "small order". We are passionate about helping today's small businesses become tomorrow's major players. If you are a growing company that struggles for the respect of your other suppliers, contact our customer service department today to experience a new level of personal attention.

Vesta's customer service staff is committed to your absolute satisfaction. Call Vesta Pharmaceuticals today at 888-55VESTA to discuss your nutritional supplement and pharmaceutical needs with the industry's finest support team.

We look forward to serving you.



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