

Your Nutritional Product Development Partner

DELIVERING WHAT'S **NEXT**



VITAQUEST
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VITAQUEST AT A GLANCE

- Full-service developer & manufacturer of nutritional products
- More than 4,000 custom formulas produced each year
- Serving more than 500 brands in 40 countries
- Average customer relationship >10 years
- Strong global ingredient supply network
- Innovative formulation development team
- Fully GMP-compliant manufacturing and laboratory facilities
- Creative & flexible packaging solutions
- Over 500,000 sq. ft. of facilities

A company built to deliver what's **next**

Vitaquest International has been delivering innovation for customers since 1977. Over the last 40+ years the company has established itself as one of the premier product development and manufacturing companies in the nutraceutical and functional foods business. We've grown as a result of successful collaborations with our customers, and we have continually invested in the facilities and capabilities needed to support our customers and to anticipate the requirements of their markets.

Over these years, Vitaquest has developed a network of relationships at every level of the health and wellness business. Ingredient suppliers. Thought leaders. Scientific and regulatory experts. e-Commerce entrepreneurs. Market-leading consumer product giants. Scientific and regulatory experts. And more. It is through these relationships that Vitaquest helps drive the creation of innovative concepts and the introduction of successful consumer brands.

Where can we help you go?

No matter where you're starting from – a great idea or a fully developed commercial business – Vitaquest has the market insight and breadth of capability to help you deliver your products to market. You may not need all the services we provide, but they are always available to you to help drive innovation, quality and marketability in the products we manufacture for you.

Market Entry

If you're new to the nutraceutical and functional foods markets, Vitaquest can help you through the entire process of imagining, creating, and launching a product or line of products.

Idea2Market

Do you have an idea for the next hot product? From formulation to packaging, we can help you turn it into a fully realized commercial offering.

Differentiating to Grow

We keep our fingers on the pulse of the markets we serve – studying consumer trends, new ingredients, science and regulations. We can help invigorate your products with innovative approaches.

Strategic Partnering

Vitaquest has global scale manufacturing capability, with quality and execution that will meet your own exacting standards. We can help you expand capacity, reduce costs, and move faster into the market.

Vitaquest Firsts

Innovation means that you are a trailblazer in your industry. Vitaquest continually develops new product concepts, new packaging and filling systems, and creative ways of managing quality.

- First stick pack design & delivery
- First shelf-stable consumer probiotic product
- New analytical methods for:
 - Halal compliance
 - Probiotic enumeration
 - Protein analysis
- FSSC 22000 Food Safety System Certification for a US dietary supplement custom manufacturer
- More than 40,000 microbiological tests performed each year by our in-house lab
- Unique custom production equipment design

Delivering the Next Standard of Quality

Vitaquest's commitment to quality isn't just about cGMP and certifications. It permeates every aspect of our business. Our commitment to quality starts with our ingredients, which are sourced globally from qualified and approved vendors. Our quality commitment extends through product formulation, development, manufacturing and testing, all the way to finished products marketed on store shelves or online.

Working closely with regulatory agencies and certifying bodies, we lead in the design and development of new, standards-based quality systems, implementing them in our facilities well in advance of other organizations. Our people are passionate about product quality and regulatory compliance, with a goal of delivering our customers and the consumer the safest, most efficacious products on the market.

SOURCING

Searching the world for great partners

Vitaquest maintains a rigorous supplier qualification program, consistent with industry best practices and compliant with current FDA requirements under the Food Safety Modernization Act (FSMA). We regularly audit and qualify the facilities of our suppliers to ensure compliance with FDA cGMP. Securing necessary documentation for our customers' own quality initiatives is an integral part of this process.

INGREDIENT IDENTITY

Ingredients are promises we make to consumers

A world-class product begins with world-class ingredients. Vitaquest employs a wide array of methodologies to verify that the ingredients we use meet or exceed the highest standards for identity, potency, quality and purity. All incoming raw materials are subject to initial identification testing via spectroscopy (FTNIR or FTIR) or chromatography (HPLC or TLC) and comparison to an approved library standard or reference standard. Further ingredient-specific identification testing is conducted where appropriate, such as genetic ID testing for probiotics and DNA barcoding for crude botanicals.



FORMULATION DESIGN

Safety, efficacy, and compliance are part of quality, too

Our formulators work from a palette of more than 2,000 ingredients sourced globally from qualified vendors. Each ingredient must be acceptable for use in dietary supplements, and we will not use any ingredient that does not meet our rigid safety and quality standards. We keep up with current advances in nutraceutical science, and we have access to a large and growing number of clinically tested ingredients. Our understanding of the science enables us to formulate with the right ingredients – at the right potencies – to drive efficacy in your products.

INTERNAL QA SYSTEMS

Quality that excels and yet still improves

The Vitaquest Quality Assurance Department ensures that all products produced conform to appropriate standards of quality, and are safe and suitable for their intended use. In addition, it verifies that all operations and processes are conducted in accordance with current Good Manufacturing Practices (cGMPs) as required by the United State Food and Drug Administration under 21 CFR, Part 111 (Dietary Supplements) and Part 117 (Food Safety).



FINAL PRODUCT ASSURANCE

Ensuring flawless execution end-to-end

At Vitaquest, all finished products undergo chemical, physical, and microbiological testing prior to release. Compendial test methods and validated in-house procedures are used to ensure consistency and compliance. We test for potency using UPLC/HPLC, ICP-MS, and other methodologies and employ a broad array of physical, purity and microbiological tests on finished products. Certificates of Analysis (COA) are issued for each batch of finished product via a state-of-the-art Laboratory Information System (LIMS).

World-Class Product Development & Manufacturing

Vitaquest's Product Development and Manufacturing capabilities can support almost any kind of project in nutraceuticals and functional foods. We can work with you from ideation and product formulation to pilot trials to full production – at any scale. And whether you are an internet start-up or a CPG giant. We've proven this over the decades.

FORMULATION DESIGN

Turning ideas into successful consumer products

Vitaquest has a talented and experienced in-house team adept at formulation, development and production of all solid and powder dosage forms. We are industry leaders in the use of evidence-based proprietary and patented ingredients. Our commitment to science means that we can create new products for our customers that can deliver superior efficacy and marketability at an attractive cost. And we create a lot of new products. More than 2,000 of them, every year.

PACKAGING

How do you want your customers to see you?

Packaging at Vitaquest encompasses a wide range of disciplines – from trend-watching and design, to engineering, and manufacturing. We offer a full-service design department with a broad range of packaging experience. We also bring experience and awareness of labeling and compliance issues.

Vitaquest manufactures packages in virtually every form seen on the market today. Our range of package types means you can develop entire product lines with us.



What kind of product do you want to make?

At Vitaquest, we manufacture a diverse range of product forms in world-scale facilities.

MANUFACTURING

The Future of Tablets

Vitaquest tablet manufacturing encompasses virtually any type of tablet you can imagine – and some you haven't yet. We are at the cutting edge of the tablet industry and we continually work on new technologies such as organic and excipient-free tablets. In addition to conventional products, we can produce tablets featuring variable-release profiles, custom color coatings and shapes and unique sensory experience. And we can do this at scale. Today we produce over 2 billion tablet doses a year.

Specialty Capsules

Vitaquest specializes in two-piece hard shell encapsulation with production capacity of over 240 million doses per month. We produce delayed-release delivery systems and a range of capsule options with specialized characteristics.

Advanced Probiotic Capabilities

Vitaquest is a market leader in the manufacture of probiotic supplements. We were one of the first companies to successfully design, manufacture and deliver a shelf-stable probiotic product. Today, we are the largest non-originator manufacturer of probiotic dietary supplements in the United States.

Our facilities include a climate-controlled probiotic production area where we have developed proprietary processes to ensure optimal room temperature shelf stability at minimum probiotic input – producing more than 50 million retail units of finished probiotic products per year.

A World of Powders

If you are looking to make a powder, chances are we've made something like it before. Today, we produce over 5 million retail units of powdered nutritional products per year, in every category and for every market.

The Vitaquest Manufacturing Network

Vitaquest has experience developing and manufacturing a diverse range of nutraceutical and functional food products in solid and powdered dosage forms. Additionally, thanks to our network of audited and approved manufacturing partners, we can also offer highest quality softgels, skin care products, liquid nutritional, and more.



*Delivering the **Next**
Standard of Quality*

What's TotalQ™?

Vitaquest's TotalQ™ Commitment to Quality is an initiative that draws on our activities in a broad range of functions and disciplines including raw material **Sourcing**, **Ingredient Integrity Testing**, **Product Design**, **Internal QA Systems**, and **Final Product Assurance**. It's how we deliver what's **next** in quality.



At Vitaquest, we want to be part of the solution

An important aspect of Vitaquest's mission to enhance health and wellness is our commitment to environmental sustainability and social responsibility. This commitment starts through our work with our ingredient suppliers – where we source ingredients from companies who care about environment stewardship, sustainable harvesting and fair trade.

In our manufacturing operations, we continually work to be less wasteful with materials and energy, and have taken significant steps to reduce our environmental impact. We have installed a 418.6 kilowatt (kW) solar energy system at our corporate headquarters that produces enough energy to power over 35 average size residential homes every year.

We're also active participants in the Vitamin Angels® project. We're proud of our two-decade association and support – both operational and financial – of this organization and its work helping at-risk populations around the world to gain access to life-saving and life-changing vitamins and mineral supplements.





Let's grow together

At Vitaquest, we're proud of the long-term relationships we have developed with our customers. Today, our average customer relationship exceeds 10 years. In fact, some of our largest customers today started with us when they were small, and they have stayed with us because of our ongoing commitment to support their growth.

We look forward to the opportunity of working with you.

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