

THE TOTAL RESOURCE FOR CONTRACT MANUFACTURING

By Joanna Paxinou

Experience, Expertise, State-of-the-art Facilities...

These are some of the attributes that Schering-Plough Third-Party Business has to offer its clients.

As a leading pharmaceutical contract manufacturer, we are committed to helping you meet your business needs. Dedicated service...taking that extra step...staying with a problem until we find the innovative solution...they all make a vital difference in your business and make us unique in the industry.

We understand that each product is different and has its own manufacturing demands. And we realize that flexibility is of the utmost importance to our clients. Our manufacturing flexibility—and our enormous range of manufacturing capabilities representing diverse drug delivery options—enable us to respond to your specific needs by providing you with more and better production options. This not only results in a high-quality final product, but enables you to maximize profits by planning more efficiently and controlling costs more effectively.

That's why we customize our services to the individual needs of a product. Our technical staff works closely with you to customize our manufacturing processes to your products' requirements. Because of our vast experience and diversity in pharmaceutical manufacturing, we can offer a broad spectrum of possibilities to fulfill your production and packaging needs.

Our capability to provide this product specificity is a reflection of our extensive manufacturing flexibility. This flexibility—coupled with the adaptability of our expert technical staff and business acumen—enables us to meet the dynamic demands of a global marketplace and achieve maximum returns for our clients.

Worldwide Facilities

Schering-Plough Corporation completed an enormous commitment to its future with major capital investments and construction of new manufacturing facilities in various locations. Today, we offer a wide range of Schering-Plough production capabilities with facilities located throughout the world from North America and Puerto Rico to Europe, Africa, Australia and the Pacific Rim.

These facilities should enable us to have state-of-the-art production capability well into the future. As at all Schering-Plough Corporation facilities, our traditional high standards of quality and reliability are built into every item we manufacture at each location

Contract Manufacturing Good Business Sense

We believe that contract manufacturing has proven to be an effective way to control costs and maximize profits in today's rapidly changing business environment.

To that end, the Schering-Plough Third-Party Business has been established as the "total resource" for our clients. Following is an overview of our resources and expertise in contract manufacturing...resources and expertise you can count on.

Solid Dosage

Schering-Plough's extensive experience in the manufacture of solid dosage pharmaceuticals dates back to 1933. Today, the expertise developed over the last half century is supported by modern, state-of-the-art production and testing facilities geared to existing and projected GMP regulations.

That's why we can offer you a broad spectrum of possibilities to fulfill your production requirements. In addition, we have both automated and manual control systems integrated into all of our solid dosage manufacturing processes to ensure process validation.

And to maintain high-speed production lines, much of our automated equipment performs on-line weight verification and hardness monitoring, ensuring a high-quality product while minimizing product loss. Samples from production lines are rigorously tested by our GMP-trained quality control staff to make certain the product meets your specifications.

Liquids, Ointments and Creams

As a leader in the pharmaceutical industry, Schering-Plough's manufacturing and packaging capabilities of liquid and semi-solid products is of superior quality.

Whether inhalation products, lotions or solutions, topical ointments or creams, suspensions or syrups, our manufacturing processes for oral and topical liquids, and for topical creams and ointments are state-of-the-art. The same can be said for our equipment. With variable size batch processing of liquids, creams, ointments and lotions with Groen mixing kettles, we have the experience, expertise and equipment to meet your manufacturing needs.

Sterile products

In our sterile product manufacturing facilities, we offer a wide range of product technologies.

At our sterile manufacturing facilities in Manati, Puerto Rico and Quebec Canada, we strive for flexibility and responsiveness to clients' needs. Our sterile facilities include compounding rooms designed for the preparation of various sterile vehicles.

There are also sterile filling rooms capable of a wide range of product technologies to meet a variety of product needs, including pre-filled syringes, vials, ampules, and both plastic and glass bottles.

In addition to our experience and expertise, we also have on-site support groups to assure validation process support, and environmental controls.

Transdermal Drug Delivery Systems

A major concern of transdermal delivery research is the discovery of new and better ways for drugs to permeate the skin. Schering-Plough has long-term experience in the technology of transdermal production. Scientists and engineers at our Miami Operations have been on the leading edge of all phases of the production of this unique dosage form.

Applications include not only pharmaceuticals, but any healthcare or related product which requires a polymerized matrix adhesive system to be worn on the skin.

Pharmaceutical/Fine Chemicals

The strategic positioning of our chemical manufacturing network provides convenient worldwide distribution. At our facilities in Mexico, Ireland and Puerto Rico, we offer a wide range of products and manufacturing facilities to meet your specific needs. All facilities offer proven technology and production efficiencies, while keeping production in line with regulatory requirements.

Support Services

We are prepared to offer our “third party” clients a wide range of our services and post-production support that are necessary to assure that your product needs are met.

Our Business Account Managers have the experience and expertise to offer you the kind of dedicated service and support you would expect from your own production facilities.

In fact, one Business Account Manager will work with you directly from start to finish. Your Account Manager will be responsible for your project through completion. In this way, you only have to deal with one person who is thoroughly familiar with your project and your needs.

In addition, we offer centralized order processing, we handle warehousing and distribution, and we assure the well-known Schering-Plough quality control through documentation, validation, incoming inspection as well as in-process control, stability testing, and chemical microbial testing.

Because we are a dedicated group with a stated mission and corporate objectives, you can depend on us. As a total resource for our clients, the Third-Party Business Development Department is in tune with the economics of “third party” business. Our capabilities, service and support are cost-competitive with any manufacturer that can offer the same high level of attention to product quality, integrity and assurance.

Above all, our service is built on two precepts, manufacturing flexibility—and a high degree of responsiveness to our clients' needs. We believe this business philosophy is essential in order for us to continue being of value to you and your company.