

Planning & setting up a basic aerosol laboratory

Do you have a product you would like to put in a aerosol package?

A variety of products can be incorporated into an aerosol package. From pharmaceutical, health care to industrial, for easier delivery, better application & more control. By setting up your own lab it will:

1. **Enable you to put your product on the market sooner.**
2. **Expand your knowledge and have more control.**
3. **Allowing you to keep close supervision.**
4. **Keep your product's formulation secure and private.**

The necessary equipment to get started:

***A valve crimping device**
***Pressure hoses**

***A pressure filler**
***Pressure tester**

***Filling adapters**
***Compatibility Vessels**

But which type?

First, will you need a bottle or can crimper. If your doing 0-50 at a time the manual model 3000 series will do fine. For larger quantities you will need a pneumatic model 4500. Then size up which pressure filler will suit your needs. 30ml, 100ml, 200ml or 500ml. Do you need S.S. hardware and Kalrez packing? Make sure your propellant is compatible with Viton. If not you will need Kalrez packing in the valves and Teflon encapsulated O-rings. You will need to know the manufacturer and model of the aerosol can valve in order to get the correct filling adapter. For your propellant and head pressure line we offer a S.S. braided Teflon lined pressure hose. The HPT-100 is a very accurate test gauge and is necessary to determine the pressure of your container. We offer 0-100, 0-160, 0-200 & 0-300 psi. To determine which one will suit your needs, take the approximate pressure range of your product. That number let's say is 80 psi. Your choice then should be 0-160 psi. This way your in the mid range and you have versatility. Compatibility Vessels, we offer the GK-500. This is a reusable aerosol container that does not require crimping. It allows you to examine your product for emulsification, precipitation, solubility, discoloration & effects on metal. As your experiments continue you can expand your lab capabilities with the other accessories and gages, decrimpers, deseamers, burst testers. If you have any other questions on our products please call us at (607) 397-9269 or email us at info@aerotechlab.com

Our services include

Engineered and designed prototypes for your special applications:

Through our years in business serving the aerosol industry we have had special requests from some of our customers at NASA, Pfizer, Glaxo-Wellcome, Scherling Plough & Bristol, Meyers, Squibb (Clairol), Technical Concepts. Some of the equipment we designed & manufactured for them include: Vacuum test chambers, Special collets for crimping special bottles and valves. A crimper designed to custom assemble & crimp metered dose valve assemblies. A Custom barrier system. The can deseamer. Engineered, designed & specialized equipment to suit your needs. Problem solving. We welcome any project large or small.

Small quantity processing, runs of 1 to 1000 pcs.

***Can crimping**
***Can decrimping**
***Assembly**

***Bottle crimping**
***Can deseaming**
***Drop shipping to locations**

***Vacuum crimping**
***Labeling**

Key Benefit:

Get your product circulated without the expense of buying some of the necessary equipment.

Manufacturing:

***Outdated parts for any aerosol equipment.**
***A company familiar with aerosols**
***Heat Treating**

***Custom parts in quantity for your application**
***Crucial inspection and quality control**

Onsite assistance: