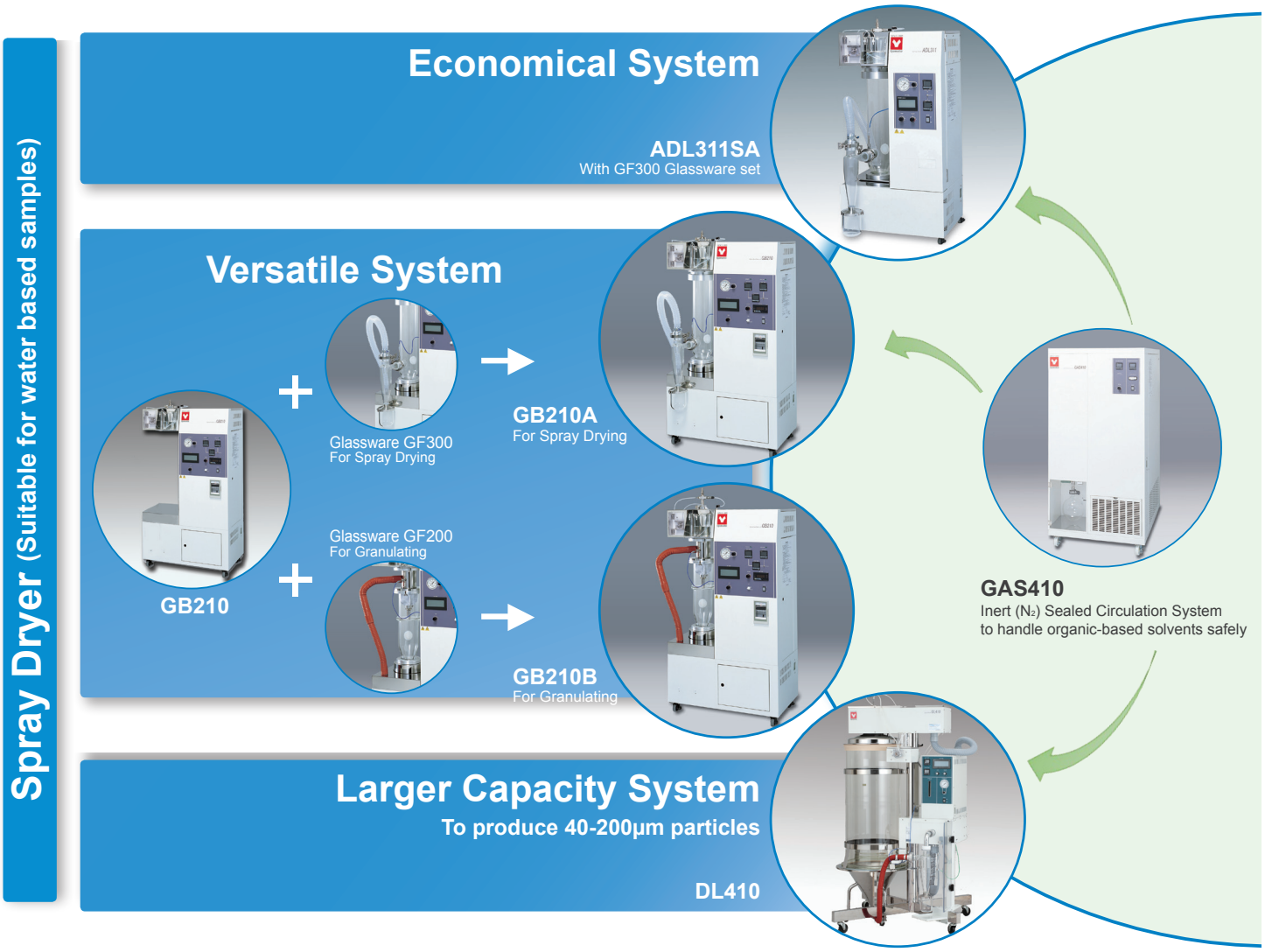
SINCE 1889

Yamato Scientific America Inc.

Innovating Science for Over 125 years



The Yamato Spray Dryer is excellent in cost and performance and has become increasingly popular because of its easy installation, operation, handling and spray drying effectiveness. The ADL, GB and DL spray dryer systems efficiently and reliably dry and transform liquid solution, suspension, or emulsion into a uniform, fine amorphous powder. All units do not require the liquid sample or solution to undergo any pre or post-processes such as filtration, separation or pulverization.

Applications

- Pharmaceuticals
- Biochemical
- Material Research
- Food and beverage
- Polymer
- Agricultural
- Chemical
- Ceramic
- Cosmetics and fragrances

Inert (N_2) Sealed System

GAS410 (Solvent Recovery Unit)

The Inert Nitrogen (N_2) sealed circulation System is used to prevent external discharge when using organic solvent based spray samples. It is used in combination with either ADL311SA, GB-210A or DL410.

Spray Dryer Systems

ADL311SA

The most compact and economical spray dryer which easily micronizes liquid samples into powder. It is highly mobile on wheels or usable as a bench top unit.

GB210A

A versatile compact spray dryer that can produce powder easily on a laboratory scale. It is capable of drying small samples as low as 0.5g of solid content.

GB210B

This is a fluid bed drying granulator used in combination with the basic unit GB210 and Mini-bed attachment GF200. Designed to granulate powder and dry wet powder using a fluid bed.

DL410

Larger capacity spray dryer that can produce powder particles from 40 to 200μm which are considered to be extremely difficult to produce in laboratories. It is useful for preliminary tests for pilot plant or expensive samples, micro capture spray drying research, substitute for general laboratory drying method etc.