

# Pharmaceutical and Fine Chemical Equipment Business

Our leading edge technology supports high-quality manufacturing.

Engineering and manufacturing of various equipment in broad range of industries, pharmaceutical, fine chemical, petrochemistry, foods etc..

As the top manufacturer of the glass-lining, offering the leading edge technology and products including reactor, agitator, filter/dryer, thin film evaporator etc..

Also providing extensive customer service like equipment maintenance.

## Fine chemical field

Manufacturing facility for material for electronics field, resist material, emitting material etc.

## Pharmaceutical field

Manufacturing facility for pharmaceutical intermediates and API, agricultural etc.

## Petrochemical field

Manufacturing facility for commodity and synthetic resins, plastic etc.

## Food and Beverage field

Manufacturing facility for sake, wine, soy source etc.

Scan and Read More



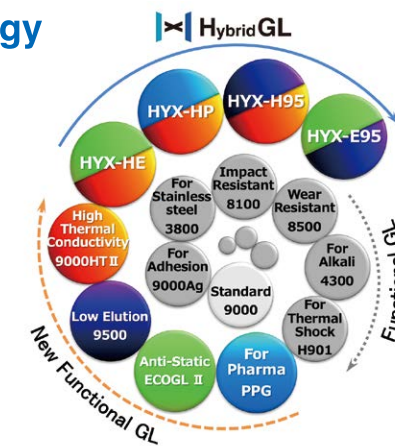
## Glass lining technology

Glass lining is composite material with steel surface coated by special glass. Glass lining has its advantageous characteristics with the function of glass as well as the strength of steel. As the top manufacturer, we always offer the leading edge technology and products.

First in the world

### Hybrid Glass Lining

"HybridGL™" is the brand name of our hybrid glass lining. The hybrid glass lining has been developed in 2017 as the world's first one.



## Reactor

Our reactor contributes to customer's manufacturing such as the high quality, high purity, safety and work saving in manufacturing in many industry fields.



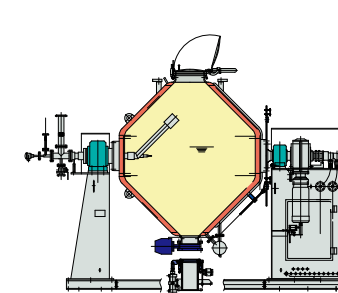
## Agitation technology

Our agitation technology is able to fulfil various customers' needs based on our R&Ds over the years and abundant manufacturing records. We can offer various type of agitators in response to various needs, including mixing, dispersion, heat transfer, etc., depending on the purpose of agitation and the requirements in manufacturing process.

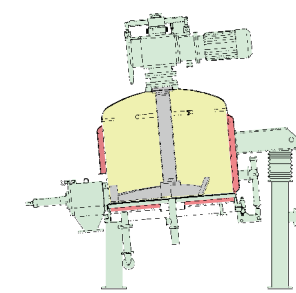


## Filter/Dryer

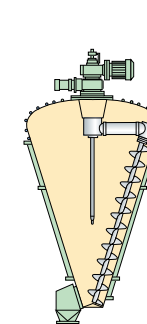
Various types of filter/dryers are available, including conical dryer blender, nutsche filter dryer, vertical conical mixer dryer etc..



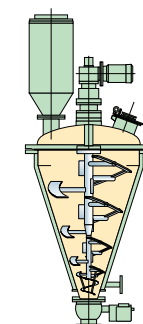
Conical dryer CDB™  
(rotary dryer/mixed type freeze dryer)



Nutsche filter dryer FD™  
(multi-function filter dryer)



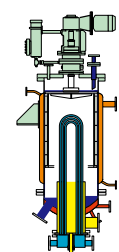
Vertical conical mixer SV™  
(vertical type mixer dryer)



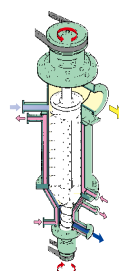
Vertical conical mixer PV™  
(high efficiency vertical type mixer dryer/  
mixed type freeze dryer)

## Thin film evaporator

Thin film evaporator is used in all chemical industries, including pharmaceuticals, fine chemicals, petrochemicals, foods etc.. Concerning heat-sensitive material, material with a high boiling point, suitable for operations such as purification, concentration, decolorization, and degassing. Recycling and volume reduction process is also suitable application.



WIPRENE S™  
(thin film evaporator)



EXEVA™  
(thin film evaporator for high viscosity material)