

Filtration • Separation • Purification

MUEZHEST
Concept to Performance

Solution Technology

Filtration

Separation

Purification

www.muezhest.com



About Us

Muez-Hest Designs, Develops, Manufactures and Imports an array of specialty products for critical Separation, Purification, and Filtration processes which is backed by Research and Innovation. We specialize in the purification of Food and Beverage, Pharmaceutical, Organic Material, Effluent and Drinking Water, Industrial fluids and Gases.

Problem Solvers in Diverse Industries

Muez-Hest offers a broad selection of high performance specialty proprietary adsorbent and filters for the most demanding application environments. We also supply Filtration products to Manufacturers and Importers of Filter, Decanter, and Centrifuge. Because of the breadth of our technologies and the depth of our scientific and analytical resources, we are often called upon to solve our customers' most challenging problems. Muez-Hest serves industries that include:

- Food and Beverage
- Process Water
- Effluent and Environment
- Pharmaceutical
- Organic
- Chemical



For Next Generation Product

For production of next generation product you require to use excellent Filtration, Separation and Purification solution of your process. Muez-Hest is a Process Engineering Company who understands your process and provides you best economical solution. Muez-Hest is a pioneer of auto & self-cleaning equipment which increases your Productivities and minimizes Cost.

Company Background

Muez-Hest is a Process Engineering Company since 1995 in the field of Food and Beverage Industries having our own Research and Innovation Centre. Muez-Hest has a qualified team from various industries who provide the best solution. Around the corner or around the world, Muez-Hest is a fast growing company with the technical resources and financial strength that make us the perfect partner for your business.

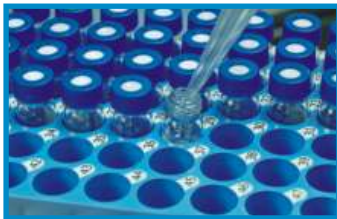


Industries

Muez-Hest provides products and solution that meet stringent application requirements in a variety of industries, including Food & Beverage, Process Water, Effluent & Environment, Pharmaceutical, Organic and Chemicals.

Food & Beverage

Muez-Hest develops products that are used extensively in food & beverage processing including purification and clarification of Sugars, Syrups, Juices, Fermented Beverages and Distilled Spirits. Muez-Hest also supplies products that keep processing plants operating at top efficiency. Filters are used to treat process water and clarify Bottled Water, Wine, Beer and other Beverages.



Our filtration products are designed to provide high performance particulate retention while maintaining desired flow rates and low pressure drop. Our liquid filters allow for cost effective pre filtration and filtration of process grade water. Self-cleaning filter systems set the industry standard for efficiency in pneumatic conveyance systems that transport high value products and Intermediaries.

Pharmaceutical

Organic

Muez-Hest provides Physical separation of solid, liquid or gases and chemical substance of interest from foreign or contaminating substances. The contents pass to the feed stream through a porous sheet such as a cloth or membrane, which retains the solids and allows the liquid to pass. Pure results of a successful purification process are termed isolate.



The selective removal of a broad range of contaminants enables the process fluid to be reused to increase operating efficiency and improve finished product quality. In addition, more strictly enforced environmental regulations are requiring industry to lower contaminant levels of discharge stream.

Process Water

Our products are efficiently designed for applications with high dirt loading & flow rates.

Chemicals

Muez-Hest has a host of products that keep chemical processing facilities operating efficiently. From air intake and process filter applications to industrial gas production and wastewater treatment, Muez-Hest has products that meet your needs.

Our stainless steel cross-flow membranes and filters are compatible for use in most process streams. And we have products that help keep your plant operating in an environmentally friendly manner.



Effluent & Environment

Muez-Hest has a range of products in solid liquid separation processes & dewatering of treating effluents. These separation processes play a very important role in the Food, Chemical & Pharmaceutical field. They are the essential elements of many production processes. Our separation equipment assists in the processing of both liquefied and solid waste derived from waste water treatment processes.



Polish Filters

- **Vegetable Oil refineries:** Primary use in Vegetable Oil refineries is for the final polishing of refined oil after de-odorization and before packaging, Polish filters can also be used to filter bleached oil after the Pressure Leaf Filter, in order to remove trace contaminants before de-odorization
- **Pharmaceuticals manufacturing**
- **Chemical industries**

Cartridge Filter System

- **Food and Beverage Industry:** Filter of Mineral Water Wine & Fruit Juice etc.
- **Chemical Industry:** Filter of Organic Solvent etc.
- **Electronic Industry:** Pre-filter for Ultra-pure Water etc.
- **Medicine Industry:** Filter of Drug Liquid, Gases etc.
- **Petroleum Industry:** Filter for Oil-field Flooding, Concentrated/dilute Acids & Alkalies, Organic Acid, Solvents, Water Oxidizing Agents, Fuels, Plating Solutions, Petroleum Oils, Vegetable Oils, Pre-filter for Membranes



Bag Filters

- **Food and Beverage:** Wine, Spirits And Beer, Edible Oils, Removal of Carbon Black from Cellulose, Slime Removal in Gelatins, Liquid Sugar, Thick Juice, Starch Processing, Milk Processing
- **Water Treatment:** Water Treatment Plants, Silt Removal, Sea Water, Resin Recovery, Calcium Deposit removal and dust removal from cooling tower installations
- **Chemical:** Catalyst Recovery, Alkalies, Acids and Solvents, Emulsions and Dispersions, Gel Removal from Resins
- **Pharmaceutical:** Active Carbon Purification, Filtration of Gelatins, Hormones, Vitamin extracts, Protein removal from Plasma, Filtration of Saline solutions
- **Petrochemicals:** Filtration of Lube Oils, Fuel Additives, Oil Recovery, Filtration of Amine Solutions, Glycol Fluids, Gas Purification, Distillation and Cracking
- **Resins, Plastics, Inks and Coatings:** Oil and Polymer Filtration, Dispersions, Polymerization Batches, Plastics Compounding, Printing Ink, Plastics Processing, Paper Coatings, High Purity Ink-jet Fluid Filtration



Candle Filter

- Beverage Industry
- Filtration of Hazardous Liquids
- Bleaching Vegetable Oil Plants
- Resin Filtration
- Polishing Applications
- Catalysts Filtration such as Ni, Pt, Pd etc.
- Pesticides
- Biodiesel
- Separation of Activated Carbon & Charcoal (Pharmaceutical Plants)
- Removal of Activated Carbon, Charcoal in Pharma Plants



Scraping Self-cleaning Filter

- Water Treatment, Pulp & Paper, Petrochemical, Bio-pharmaceutical, Coatings, Inks, Oil Refinery, and Food & Beverages.
- **Typical Applicable Liquid:** Wax, Coal Oil, Monomer, Polymer, Water, Citric Acid, Fermentation Broth, Protein, Soap, Wet End Additives, Coatings, Ink, Adhesive, Rubber, Ethanol, Chocolate, Confectionary, Juice, Coolant etc.
- **Filtration Function:** Remove Large Particles, Fixed Size Screening, Purify Liquids, Protect Key Equipment.

Automatic Back - Flushing Filter

- Water Treatment, Steel, Pulp and paper, Mining, Petrochemical, Precision machining, Municipal and Irrigation etc.
- **Typical Applicable Liquid:** Ground Water, Seawater, Fresh Water, Reservoir water, Pond Water, Cooling Circulating Water, Freezing Water, High and Low Spraying Water, Squirt Water, Heat Exchanging Water, Sealing Water, Bearing Cooling Water, Oil Wells Injection Water, Recycled Process Water, Machining Cooler, Cleaning Agent, Cleaning Water etc.
- **Filtration Function:** Remove large particles, Purify liquids, Protect key equipment



Types of Filters with Micron Range

| Process | Approximate Range (microns) | | | | | | |
|------------------|-----------------------------|-------|------|-----|---|----|-----|
| | R.O. | 0.001 | 0.01 | 0.1 | 1 | 10 | 100 |
| Filtration Range | | | | | | | |
| Bag Type | | | | | | | |
| Cartridge | | | | | | | |
| Centrifuge | | | | | | | |
| Cyclone | | | | | | | |
| Filter Press | | | | | | | |
| Flat Bed | | | | | | | |
| Ion Exchange | | | | | | | |
| Leaf | | | | | | | |
| Reverse Osmosis | | | | | | | |
| Strainer | | | | | | | |
| Sintered | | | | | | | |
| Vacuum Disk | | | | | | | |
| Vacuum Drum | | | | | | | |
| Wedge Wire | | | | | | | |

Pressure Leaf Filter - Vertical & Horizontal

- **Beverage Industry:** Glucose, Fruit Juice, Cold Drink, Sugar, Vinegar
- **Edible Oil Industry:** Dewaxing, Catalyst Filtration, Fractionation, Hydrogenation, Bleaching, Winterization
- **Chemical Industry:** Chemicals, Plastizers, Dyes, Organic and Inorganic Salts
- **Pharma Industry:** Pharmaceutical Intermediates, Bulk Drugs, Syrup, Antibiotics
- **Petrochemical Industry:** Crude Oil, LPG, Lubricating Oil

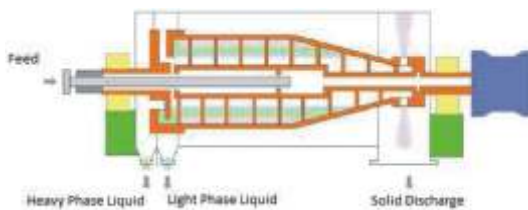


Decanter Centrifuge

3 phase Decanter Centrifuge
Separation of Solid-Liquid-Liquid phases

Applications

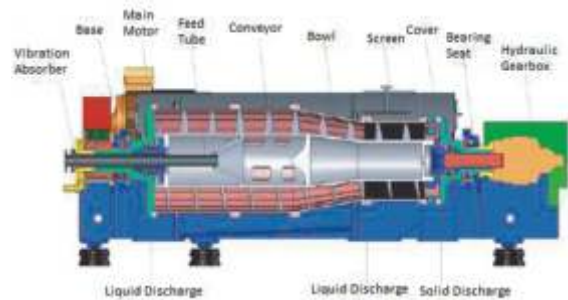
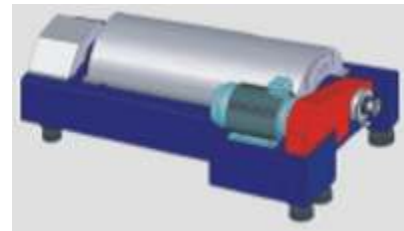
Vegetable/Animal oils, Fruit juice, Soy protein, Dairy, Coffee and Tea, Chemical Oil sludge and other Industries



Screen Decanter Centrifuge

Combination of Solid Bowl Decanter Centrifuge and Screen Worm Centrifuge

- Solid Liquid Separation in Mining, Mineral Refining, Salt Production and other industries



Automatic Vertical Bottom Discharge Scraper Centrifuges

Separation of suspensions - particles, fibers, micro particles, flammable materials like Minerals, Salts, Sugars, Gums, Chemicals, Pesticides and other materials.



MUEZHEST
Concept to Performance

Muez-Hest India Pvt. Ltd.

230, 231, Blue Rose, W. E. Highway, Borivali (East), Mumbai - 400 066, India. Telefax : +91-22-2854 1758
Tel.: +91-22-2854 1758 / 2870 1752 / 0071 / 4141 Email: info@muezhest.com
Website: www.muezhest.com