



ATTAQUANT

Simplifying Technologies

ISO 9001 : 2015 CERTIFIED

VIBRO SIFTER



Process Equipment Design And Development
With Manufacturing. Installation And
Commissioning.
Turnkey Projects.



VISION

We will be the most valued solutions provider in terms of process development and design to our customers

MISSION

To become leading company in designing and manufacturing of equipment, providing services and becoming one stop reliable hub of technical resources for providing complete solution to the requirements of the industry.

To focus on meeting or exceeding customer expectation in terms of product quality and on time delivery

WHY ATTAQUANT?

- Experienced Staff
- Cutthroat pricing
- Client friendly policies
- Quality packaging
- Timely delivery
- Wide distribution reach
- Huge infrastructure
- Quality Service after Sale
- Technically feasible solutions



INTRODUCTION

"Attaquant Enterprises Pvt. Ltd.", is a company with the right expertise who have many years of relevant experience in Process Engineering. **Attaquant** is a disciplined, data-driven company who has a right approach and methodology for eliminating defects in any process – from design to manufacturing and from product to good service.

We go out of traditional way not only to offer comprehensive solutions for all your Process; but to also provide you with the information and resources you need to make refined decisions about which solutions are best for you, and your project. We have started doing flawless Engineering in designing & manufacturing of all equipment's required in Chemical, Solvent recovery, Paint industry, Water & Waste water management, Pharmaceutical Industries and in Oil & Gas. We ventured into process engineering market and started offering Energy Saving Solution to various process industries in National & International market.

We are one of the leading manufacturers, traders and exporters of a wide range of the premium quality Process plant Equipment. Our product range includes Plate Fin Heat Exchanger Set Up, Static Mixer, Demister pads / Mist eliminators, Low pressure vessels, Distillation column trays and related internals and Hot Water System we offer a wide range of products. For manufacturing the offered range as per the industry set norms and regulations, our professionals make use of latest tools and machinery. Their current stability, strong construction, optimum functionality, low maintenance and high performance, makes our products highly demanded in the market of process industries of all sections.

The company now introduces eco-friendly pre-fabricated insulation panel systems in a range of profiles, thicknesses, and finishes. The speciality of these panels is that, they are perfect for the speedy creation of cold stores of any size at the site due to their precise interlocking design and great insulation properties, and are also eco-friendly both in their material and in their manufacturing process itself. These new eco-friendly panel solutions from Attaquant can be used to create cold storages of any size, from small walk-ins to very large cold rooms.

Large production capacity has helped us in managing the bulk projects in the most efficient manner. To avoid any damage while transportation, we pack the offered range with tamper-proof packaging before dispatch. Timely delivery of the offered range of products is assured, due to our extensive distribution network.



VIBRO SIFTER

AEPL is engaged in manufacturing, supplying and exporting a wide assortment of Vibrating Equipment, Feeders, Separators etc. We use supreme class raw material for manufacturing our products in order to ensure to our clients outstanding quality products.

Under precious guidance of our skilled personnel, we are engrossed in contributing an excellent assortment of vibro sifter machine. These Vibro Separators are deployed across major process industries for wide range of applications such as sizing, scalping, check screening, de-watering, clarifying and filtering.

Its highlighting features such as less power consumption, robust design, less maintenance, etc makes it widely appreciated machine.

Parts of Vibro Sifter

- ✓ Motor
- ✓ Hopper Lid
- ✓ Filter Screen
- ✓ Wire mesh screen ring
- ✓ Oversized material outlet
- ✓ Screened material out
- ✓ Springs
- ✓ Control panel

Capacity
50 kg – 2000 Kg per Hour
Mesh Size
12, 20, 24, 30, 36, 48, 60, 72
108





BENEFITS

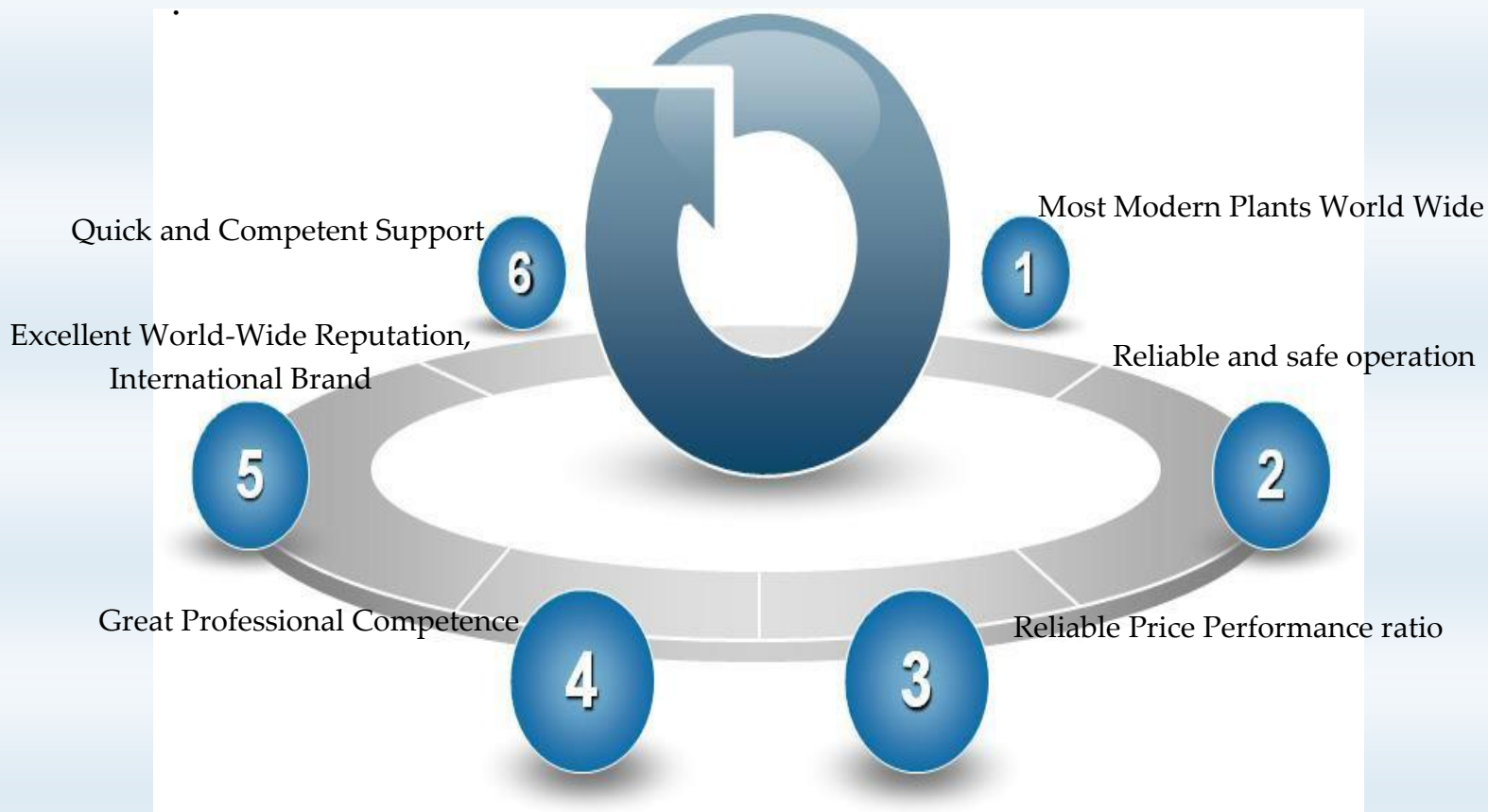
- ✓ No screen choking/blinding
- ✓ Continuous/automatic discharge
- ✓ Dust proof
- ✓ Low power consumption
- ✓ Low maintenance
- ✓ Easy to open
- ✓ Screen charge flexibility
- ✓ Multiple mesh screening
- ✓ Compact and elegant design

FEATURES

- ✓ Contact parts constructed in SS 304/ 316
- ✓ Sifter comes with dust cover, self balancing vibro screens producing adjustable multiplane gyratory motion, designed for floor mounting.
- ✓ Robust construction, smooth operation and low maintenance cost.
- ✓ Stainless steel quality with ease of maintenance to clean the screens total assembling set.



CORE COMPETENCE

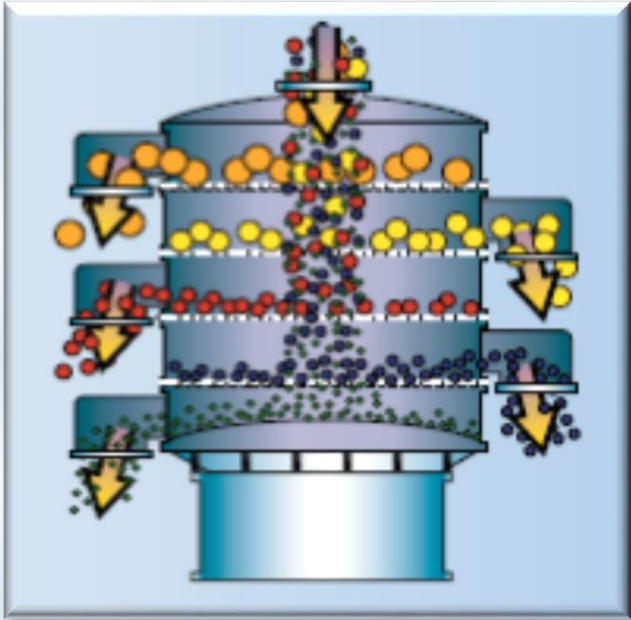


APPLICATIONS

- ✓ Refractory
- ✓ Agro products
- ✓ Bulk foods
- ✓ Ceramic
- ✓ Chemical
- ✓ Spices
- ✓ Pharmaceuticals
- ✓ Paper
- ✓ Continuous Screening
- ✓ Minerals



SEPARATION PROCESSES

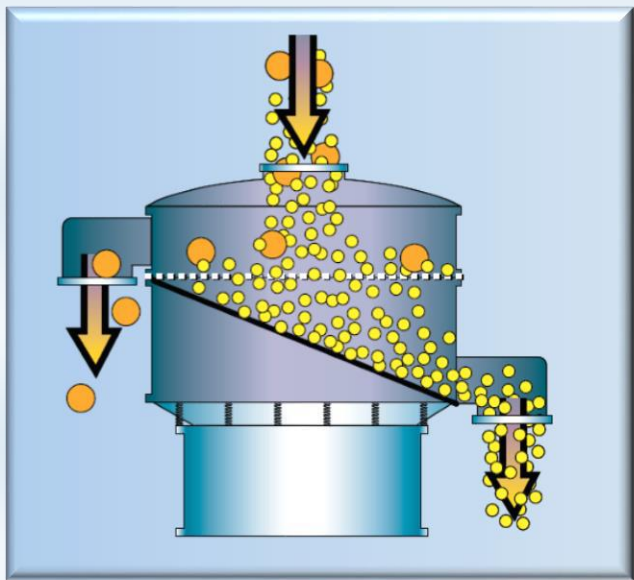


Segregation of a variety of solid particles into separate groups containing comparable sizes. Up to 5 separations simultaneously.

Applications

Dry Products

Sugar - spices - starch - soybeans - sawdust - salt - instant potatoes - animal feed - sand - abrasives - grit/shot-glass beads - detergents - rubber - polystyrene beads - paint - iron oxide - lead - tungsten carbide - ceramic and metallic powders - milling products - powdered pharmaceuticals chemical and food products



Removal of a small quantity of undesirable oversize particles in a high-throughput process.

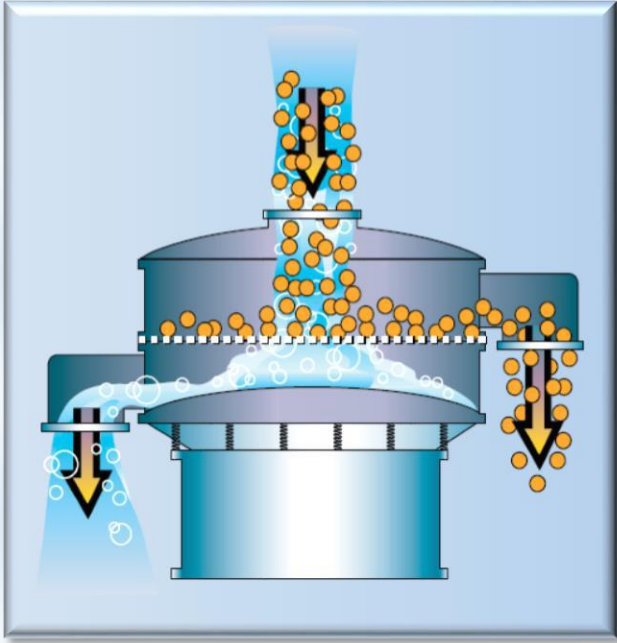
Applications

Dry Material

Powdered milk - cereals and grains - sugar - instant coffee granules - chocolate powder - soybean flour - broth concentrate - potato granules - borax - abrasives - carbon black - metal powders - sand - paint - casein - plaster - detergents - fertilizer - tobacco - bone, blood and feather meal



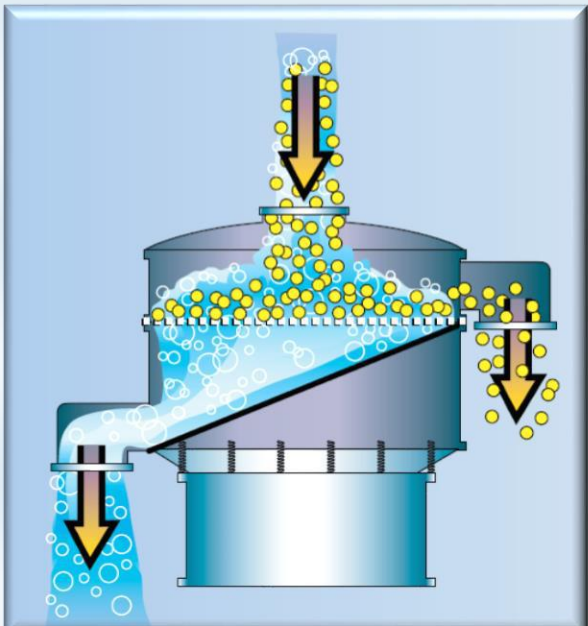
VIBRO SIFTER



Gravity Filtering / Product Recovery Filtering
oversize solids from all types of slurries or dewatering solid/liquid mixtures. Reclaiming usable solids or clarifying liquids, either of which has further economic value.

Applications

Solid/Liquid Mixtures Fruit juices - fish - soybean oil - brewer's yeast - sugar beets - other food products - latex - paint - catalyst - pulp and paper - carpets - animal blood - tallow - ceramic - kaolin - metallurgy - pharmaceuticals - ice cream



Wastewater Clean-Up and Water Pollution Control
Efficient recovery of usable solids, and water clean-up and re-use.

Applications

Effluent Streams

Potato peelings and waste – fruits- other food products - latex and other chemical products - manure - sewage - fruit - vegetable and pickle canneries - meat - poultry and sea food processors - brewery waste - laundry waste - pulp and paper effluent



TYPES OF VIBRO SIFTER

SINGLE DECK VIBRO SIFTER

AEPL Single deck vibro shifter is widely used in food and chemical industries for gradation and separation of powder, granules and semi-solids. These machines work on the principle of powder trembling and interacting.

Features:

- ✓ Specially designed vibrating motor with adjustable pedals directly mounted on a top plate.
- ✓ It is rested on spring pad to achieve continuous vibrations.
- ✓ The vibrating energy screen unit consisting of circular tightened screen.
- ✓ It causes vibration in the vertical plane to move the material across the screen towards the discharge spot.





DOUBLE DECK VIBRO SIFTER

To meet divergent demands of the clients, **AEPL** offer an exclusive range of Double deck vibro sifter. The offered sifter is a circular screen which is exclusively demanded by food, pharmaceutical and spices industry for separating solids from solid and liquid from solid and also provides powder grating.

Features:

- ✓ Accurate dimensions
- ✓ Superior performance
- ✓ Used in handling applications
- ✓ Long operational life



TRIPLE DECK VIBRO SIFTER

Triple deck vibro sifter consist of three layers. The vibrating screen consisting of circular pre tensioned screen mounted on the frame along with vibrating motor imparts three plane vibrations to the screen due to revolving eccentric weights. Total assembly mounted on suitable springs so that it becomes a independent body which vibrates without parting any vibrations to the foundations.

Features:

- ✓ Power full vibration
- ✓ Side outlet fines discharge
- ✓ Easy movable
- ✓ Easy to clean
- ✓ Special vibro motor
- ✓ Noiseless machine depending on the product





TECHNICAL SPECIFICATIONS

Model	AEPL 12"	AEPL 20"	AEPL 30"	AEPL 36"	AEPL 48"
Screens	SS 316 / 304	SS 316 / 304	SS 316 / 304	SS 316 / 304	SS 316 / 304
Screen Dia.	335mm.	520mm.	750mm.	950mm.	1220mm.
Capacity/Hour*	20 to 70 kg	20 to 140 kg	30 to 250 kg	80 to 300 kg	200 to 400 kg
Charging Height	1080 mm	1200 mm	1200 mm	1200 mm	1050 mm
Discharging Height	625 mm	750 mm	750 mm	750 mm	500 mm
Electric Motor	0.25 HP Special Vibratory Motor	0.25 HP Special Vibratory Motor	0.5 HP Special Vibratory Motor	0.5 HP Special Vibratory Motor	1.5 HP Special Vibratory Motor
Net Weight (Approx.)	70 Kgs.	150 Kgs.	170 Kgs.	200 Kgs.	225 Kgs.
Machine Dimension	750mmx750mm	1120mmx1120mm	1360mmx1360mm	1550mmx1550mm	1950mmx1950mm
(LxWxH)	1080mm	1200mm	1200mm	1200mm	1050mm



AEPL Process Plant Solution

AEPL is excellent in developing a process concept into an installed plant solution operating with a guaranteed plant performance

AEPL is a full-service provider for key equipment and process plant solutions. Our excellent position comprises an extensive know-how and long-standing experience in developing process concepts into installed plant solutions operating with a guaranteed performance.

Basic Engineering

As soon as the customer has agreed upon the conceptual design it can be further developed into a basic engineering package for a commercial size plant. At this stage we bring in our expertise and capabilities in scaling-up pilot and demonstration plants into commercial size process units. A basic engineering package typically consists of:

- ✓ Process Flow Diagrams (PFD)
- ✓ Heat & Mass Balance
- ✓ Piping & Instrumentation Diagrams (P&ID's)
- ✓ Equipment specifications
- ✓ Instrument specifications
- ✓ Functional design specifications for plant control and safeguarding
- ✓ Preliminary equipment layout
- ✓ Capital cost calculation for skid mounted units
- ✓ Capital cost estimate based on factors when the total project scope consists of a basic engineering package plus key equipment only

Detail Engineering

For skid mounted units, upon approval of the basic engineering package, the project moves into the detail engineering phase, resulting in:

- ✓ P&ID's final for construction
- ✓ Equipment and instrument specifications final for construction
- ✓ Mechanical drawings for key equipment
- ✓ 3-D plant model
- ✓ Piping isometrics
- ✓ Plant automation concept

Project Management

All of the above activities are performed by highly qualified and experienced in-house staff. We rely upon our people and strive for business excellence. Project teams work under the guidance of the project manager who has overall responsibility for the project budget, schedule and quality. Throughout the entire project, the project manager remains in close contact with the customer.

In all its activities our company employs an efficient Quality Assurance System which is accredited in accordance with the latest standards of ISO9001 for Quality, Safety, Health and Environment. Standard procedures, protocols and test documentation are used from initial design to the final plant performance test and ensure a continued high-quality result.



Proprietary Equipment

All proprietary and key process equipment is produced either in our modern workshop or sourced from approved and certified sub-suppliers. Our in-house fabrication fulfils all applicable requirements and design codes. The range of construction materials includes stainless steel, special alloys as well as titanium, zirconium and tantalum.

Skid Mounted Plants

Skids are assembled in our modern, purpose-built workshop or at selected, certified sub-contractors. Larger plants consist of more than one module.

The modular assembly includes the installation of:

- ✓ Steel structure Equipment
- ✓ Piping and valves
- ✓ Instrumentation
- ✓ Cabling and junction boxes
- ✓ Insulation

Advantages of skid mounted; turn-key plants are:

- ✓ Short delivery time through an integrated fast track execution
- ✓ Low overall investment costs
- ✓ Reduced on-site erection and hook-up time and thus minimal site disruption
- ✓ Manufacture of the complete plant under workshop conditions ensuring the high-est quality
- ✓ Completion of the Factory Acceptance Test (FAT) prior to delivery
- ✓ Qualification tests prior to plant delivery

Transport and Installation

AEPL has a team of highly experienced installation supervisors, who provide construction support services for site-built plants, and for the off-loading and installation of skid mounted plants. These supervisors liaise closely with the customer's construction manager, safety officer and mechanical contractor, to en-sure a safe and trouble-free installation.

Commissioning and Start-up

Following completion of all mechanical and electrical tie-ins to the plant, process engineers are mobilized to undertake plant commissioning. The commissioning team is usually headed by the process engineer responsible for the plant design. Plant commissioning follows a structured plan and ends with the start-up of the process unit followed by a Site Acceptance Test (SAT). Training of customer's operators often takes place in parallel.



ATTAQUANT

Simplifying Technologies

ISO 9001 : 2015 CERTIFIED

Corporate Office :

601 (M 90), City Avenue, Near Sayaji Hotel,
Bhumkar Chowk, Wakad,
Pune (Maharashtra)- 411057

Service Office:

Office 1C, Nandanavanam Complex,
Sanjeeva Reddy Nagar Near Metro
Station, Hyderabad- 500038.

Factory:

Alandi Bypass Road Gat No.138,
Near Growel company, at post
Dhanore, Tal. Khed, Dist Pune- 412105

☎ +91 8788482769/ +91 9423589966
🌐 www.attaquant.in

✉ info@attaquant.in
✉ contact@attaquant.in