

Tube Cleaning M/C

INDUSTRIAL COMPONENT CLEANING AND LEAK TESTING MACHINES....



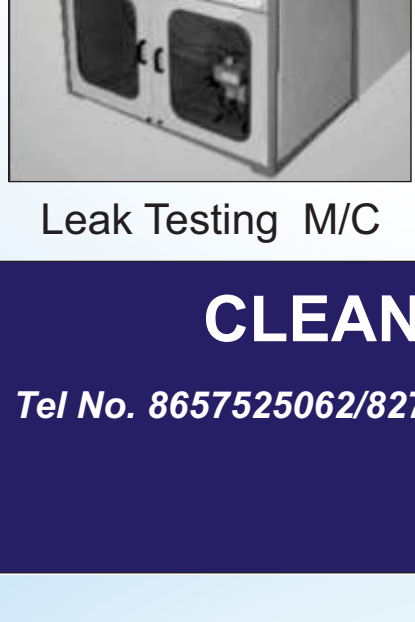
Fixture



Rust Preventive Application M/C



Screw Type Cleaning M/C



Leak Testing M/C



Multi-stage cleaning M/C



CLEANSTAR MACHINES PUNE-33

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www.cleanstarmachines.com

About Us



CLEANSTER MACHINES caters to designing, manufacturing parts cleaning machines and is an entity managed by highly experienced professionals with a wide experience in the field of parts cleaning technology.

At **CLEANSTER MACHINES** we value our customers to offer the best solutions backed by responsive and efficient service. We contribute by being most innovative, competitive and offer cost-effective solutions to enhance your quality output.

Our equipment's are designed based on the customer cleaning requirement with right selection of chemicals and assured performance at minimum cost.

Product Range

- Rotary table type component cleaning machine.
- Cabinet type front loading/unloading cleaning machine.
- Conveyorised multistage like Digressing-Rinsing-Air blow (cold or hot) cleaning machine.
- Ultrasonic Cleaning machine.
- Rust preventing oil Dunking machine.
- Bin/Tray cleaning machine.
- Screw/Revolving Drum type cleaning machine.
- Millipore equipment kit with digital weighing balance.
- Oil Coalescer.
- All types cleaning machine spares.



Cabinet Type Cleaning

- Components to be loaded and unloaded in a basket or dedicated fixture and taken inside for high pressure cleaning with chain conveyor or pneumatic cylinder.
- Rotation/Oscillation of basket or fixture inside chamber.
- Special manifolds with dedicated nozzles orientations for ultimate cleaning results.



Special Purpose Cleaning (SPMs)

Special purpose cleaning machines are customized component cleaning machines are designed and manufactured for specific critical components cleaning requirements and for high production rates in time.

Automation in loading at one station indexing type conveyerised machine and unloading at another station with manual or auto-mode operation.



Conveyorised Cleaning

If you want a very flexible cleaning system, you should choose the conveyorised cleaning machine. In this inline conveyor wash system is manufactured which can feature wash, rinse, passivate, phosphate and/ or dry functions.

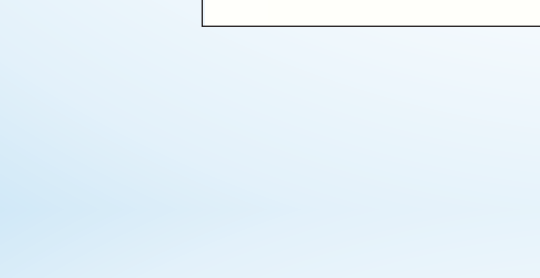
In other words the machine is specified according to the applications and is available in different working sizes to suite the dimensions of your components.

- Components drying options.
- PLC controlled panel.
- Advance material handling systems.



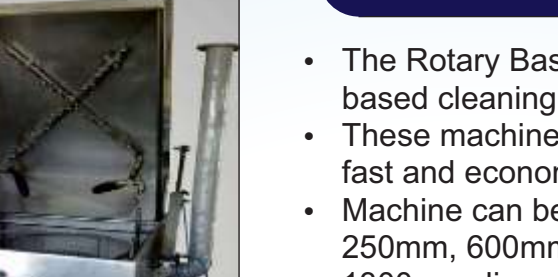
BEFORE

AFTER



BEFORE

AFTER



BEFORE

Rotary Basket For Bin/Tray

- The Rotary Basket machine is an industrial quality, water based cleaning machine built for tough cleaning needs
- These machines have been developed to provide effective, fast and economical cleaning.
- Machine can be incorporated with following basket sizes, 250mm, 600mm, 800mm, 1000mm, 1150mm and up-to 1300mm dia
- Suitable for parts machining industries, general engineering and maintenance processes.



Cabinet Type Cleaning Machine

- Bin/Tray be cleaned are loaded in dedicated fixture at outside loading stage & taken inside the chamber for high pressure jet cleaning with pneumatic cylinder.
- Cage rotation along with the fixture with BIN/TRAY with horizontal axis 360 degree inside the chamber.
- Special dedicated manifolds or nozzle orientation near to the Bin and inside the cage to cover the entire geometry of the Bin / Tray in all the sides and insides the bin so as to clean totally and drain ,dry completely due to horizontal axis rotation .



Conveyorised Two Stage Bin Clean

- High pressure jet continuous conveyorised or equal indexing type Two or Three stage conveyorised Bin/Tray cleaning machine with loading at one station and unloading at another station with manual and auto mode operation.
- Drying of the Bin/Tray at air blow chamber zone.
- PLC controlled electrical panel - Advanced conveyorised material handling system.
- Paper band filtration system so as to arrest



Leak Test Machine

The requirement may be for standard Leak Testing application or a special purpose leak test machines **CLEANSTER MACHINES** combines standard leak test machine instruments & our own designed fixtures to provide the best solutions to suit the customer specification. Leak testing in niche area of engineering sometimes refer to as pressure testing vacuum testing .

Leak test method provided pneumatically Leak Test included, Air Decay Leak Measurement, Pressure decay , Vacuum Decay , High vacuum , Water Submersible or Dunk Tank System for visual location of unintended crack, hole or porosity.

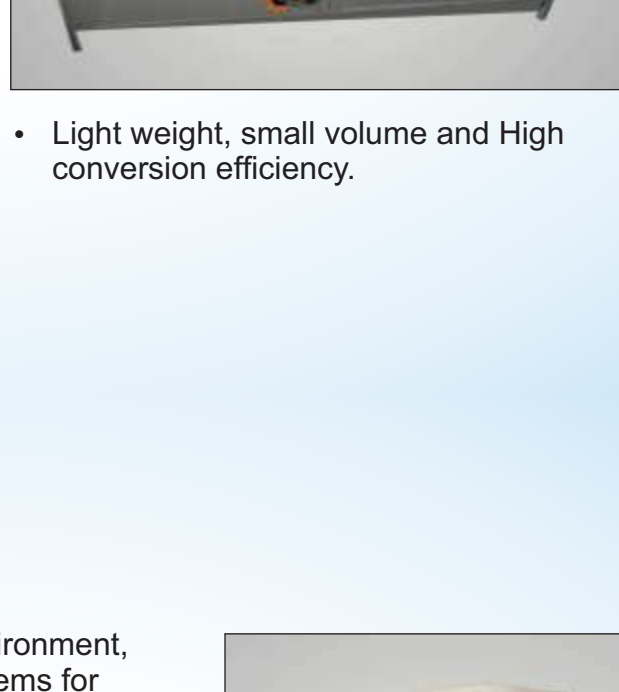


Rust Preventive D

These are high performance in-line conveyor dunking for continuous dipping of parts and used for higher throughput.

The working principle is based on a linear movement of parts through the process. Parts are conveyed through a continuous conveyor with oil or rust preventive oil bath process at controlled and changeable speed.

Parts can be dunk or dip in continuous thorough all area , holes and recesses.



Ultrasonic machine

We are focused in manufacturing and supplying high performing Multi Chamber Ultrasonic Cleaner that is broadly used for various applications like industrial equipment cleaning flux removal from all types of oil, grease and carbon from the components, medical component cleaning, etc .

Features:

- Easy to operate and well recognizable parameters.
- Suitable for pre-cleaning of complex shape components.
- Timer for countdown and continuous operation.
- Long life, low maintenance and no damage to objects.

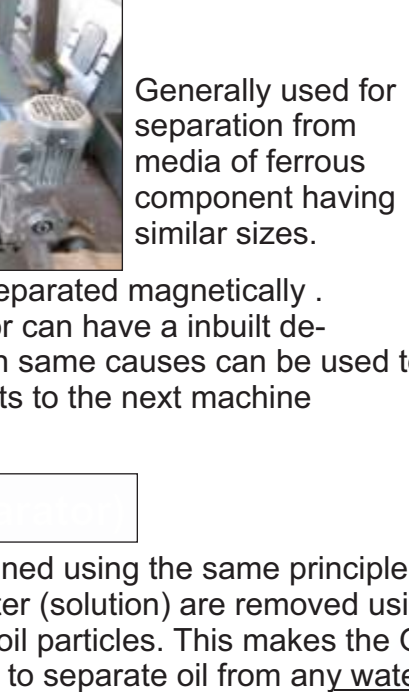


Accessories

To increase the attention towards ecology and environment, **CLEANSTER MACHINES** have many Automatic Systems for Filtration & recycling system are economical and easy for operation there is no need for specialized Manpower.

Advantages:

- Less consumption of water for finishing components.
- No choke up in drainage.
- Removal of suspended solid , like chip/burr.



1)Oil Skimmer

- Oil skimmer is a device which helps remove surface oil.
- Oil skimmer is mounted in the selected location. An oil is absorbed by the Tafflon Tape & is removed for from bath to another external container.
- Oil Skimmer is cheapest and most effective method of Remove the Surface Oil.

2)Simplex/ Duplex

- If a coarse dirt is to be collected a mesh type bag is used for low flows and fine Filtration requirements polyester felt bag are proposed .
- These are provided in simplex and duplex type housing with disposable filter bag.

3)Magnetic Separator

- Generally used for separation from media of ferrous component having similar sizes.
- These can be separated magnetically . Magnetic separator can have an inbuilt de-magnetizers and in same causes can be used to convey components to the next machine

4)Coalescer (Oil-Water Separator)

- This Oil-Water separator is designed using the same principle. Traces of oil floating as well as in the water (solution) are removed using a coalescing media has affinity to wards oil particles. This makes the OIL COALESCER an extremely effective tool to separate oil from any water based solution.

Properties:

- Loss of cooling & wetting properties.
- Deplete emulsifiers.
- Nullifying rust-inhibitors.

Application:

- Component washing machines.
- Machine tool coolant tanks.
- Waste water treatment plants.



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