



INSIGHT ENGINEERING SYSTEMS PVT. LTD.

Round Automet Cleaning system

Round Automet cleaning system is specially designed to meet the requirement of cell production system of small components and child parts. With the loading and unloading at the same end the operator has enough time to manage other machines as well in the cell. This compact machine is capable of achieving very good level of cleaning, and can give a totally dry component.

The system mainly consists of cleaning rinsing and drying. Good and continuous filtration system ensures the constant removal of dirt from the cleaning solution and an effective oil skimmer increases the life of the cleaning solution.

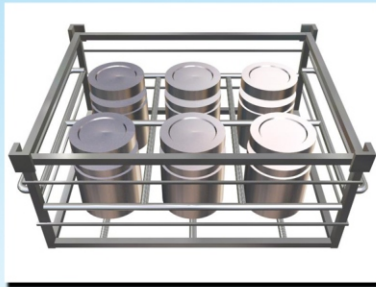


Maximum Operator Safety



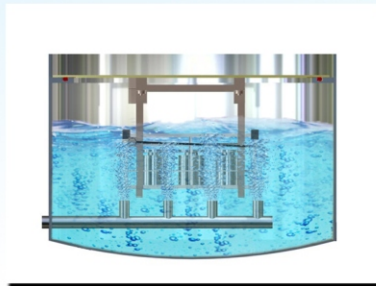
To reduce the risk of injury, a pump safety interlock on the process chamber close and other safety guarding are standard features.

Cleaning Capacity



The system is designed to clean one standard basket and the production rates upto 20 baskets per hour depending on the required cycle times.

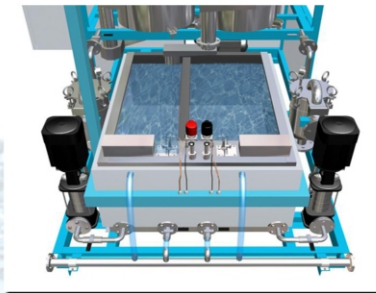
Multi-stage Cleaning System



Injection flood wash. Introduction of high pressure liquid in the process liquid to create strong turbulence. This turbulence makes liquid reach all parts of the component and causes effective cleaning.

Ultrasonic cleaning. By use of ultrasonic cavitation power the solvency of the cleaners are greatly enhanced for oil and emulsion and also very effectively dislodge the dirt particle which are loose and on the component .

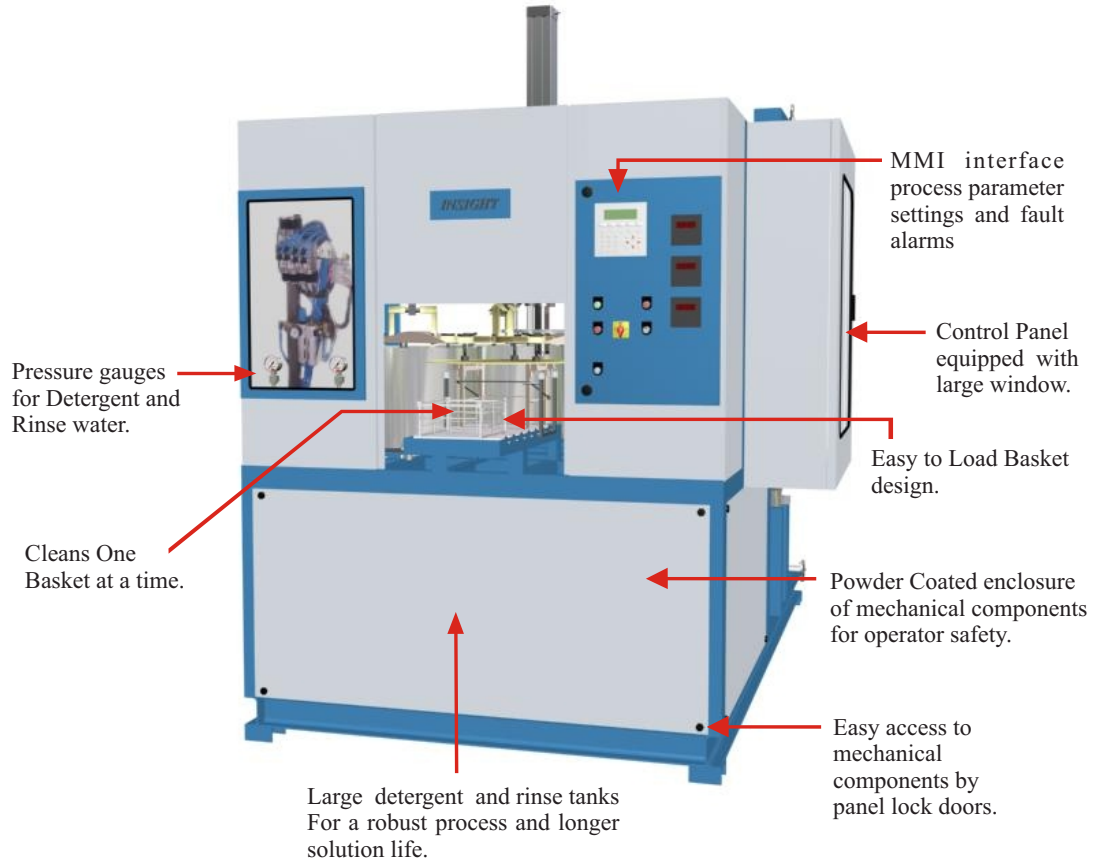
Large Storage Tank



Large (250 litre) wash and rinse tanks extend solution life and reduce the likelihood of foaming from agitation caused by pumping action.

Standard Features

- Wash, rinse and Drying.
- Stainless-steel 304 bag filtration with pressure switch.
- 3 mm thick stainless-steel 304 Tanks 250 liters.
- Process tanks 60 liters capacity.
- Patented Rod type Powerful ultrasonic transducers.
- Up/down and indexing by Pneumatic cylinders.
- Two vertical SS pumps.
- Baskets on request.
- Automatic top up for storage tank.
- Low liquid level heating system protection.
- Pump safety interlock for the process chamber operation
- Low energy consumption design resulting in lower heating requirements.
- Fully insulated solution tanks.
- Hot air drying.
- Optional vacuum drying.
- MMI display of machine status, fault alarms and diagnostics.
- Powder coated cabinet.
- See through control Panel



Highlights

1. Best suited for Lean production
2. Loading & unloading at same side
3. Occupies very little area
4. Easy to locate & Start
5. PLC based system

System Specifications	Standard Multi-Stage Wash / Rinse / Blow-Off	
Model Name	Round Automet	
Power required	40A , 415 V, 3 ph, 50 Hz. +N+E	
Heating capacity	18 kw	
Footprint W x L	1600 x 2800 mm	
Machine height	2000mm	
Loading height	1041mm	
Basket size	Its depends on parts	
Operating pressure	35 psi	2, 4 bar
Operating temperature	Up to 140°F	Up to 60°C
Tank capacity		250 litres

System specifications are subject to change without notice.

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