

Single Chamber Multiprocess Cleaning Solutions

Compact design | Multiple cleaning processes | Higher throughput

Single Chamber Multiprocess (SCMP) Cleaning Machine

This concept of cleaning machine is becoming popular due to various advantages it offers to the customer. The cleaning, rinsing and drying takes place in one single work chamber. Single chamber multiprocess machines are designed for Aqueous or Solvents media

Advantages of Solvent & Aqueous based SCMP Machines

- Higher through put
- Energy efficient process
- Compact footprint
- Multiple cleaning cycle options like spray, IFW, Ultrasonic
- Vacuum drying
- Basket rotation for effective cleaning
- Continuous filtration of cleaning media

Single chamber multiprocess cleaning with Aqueous media

- Alkaline, Neutral or Acidic water based cleaning compounds
- Drying is under vacuum.



Single chamber multiprocess cleaning with solvent media

- Chlorinated and Non chlorinated hydrocarbons, modified alcohols
- Cleaning and drying takes place under vacuum
- Vapour degreasing for fine cleaning



Aqueous Based SCMP Cleaning Machine

Cleaning cycle

Spray cleaning with basket rotation / oscillation

Ultrasonic cleaning

Immersed flood washing

Rust inhibition

Hot air drying

Vacuum drying

Advantages

Washing / Rinsing / Drying in a single chamber

Programmed sequences

Compact machine with multiple cleaning options

Optional vacuum drying

Features

Multiple programs as per need

Basket rotation

Multi stage filtration

Auto dosing of water and chemicals

PLC based control panel

Standard Models

Model	Basket Size in mm	Max Load in kg	Throughput
Aqueous 1	380 X 220 X 200	50	7 min / batch
Aqueous 2	530 X 320 X 200	80	10 min / batch
Aqueous 3	1000 X 455 X 400	200	15 min / batch
Aqueous 4	1250 X 850 X 500	350	18 min / batch

Note - Customised machines also can be offered.



Applications

Parts of Hydraulic assembly

Machined Aluminium die cast parts

Machined Cast Iron parts

Parts with grooves, blind holes

Solvent Based SCMP Cleaning Machines - Pero Germany

Cleaning cycle

Spray cleaning with basket rotation / oscillation

Ultrasonic cleaning

Immersed flood washing

Vapour degreasing

Vacuum drying

Advantages

Ultra fast cycle times

Suitable for machined, punched, drawn, precision ground parts

Suitable for parts in plastic, ceramic, glass and sintered metals

Excellent cleaning for parts with blind holes, undercuts etc

Highest safety as per norm EN 12921

Modular design concept

Features

Multiple cleaning processes

Maximum solvent life

Minimum equipment down time

Optional additional solvent tanks

Optional additional distillation unit

State of the art vacuum degreasing technology

Flexible cooling options

Standard Models

Model	Basket Size in mm	Max Load in Kg	Throughput
Pero V0	380 x 220 x 200	50	4-6 min / batch
Pero R1	530 x 320 x 200	80	3-4 min / batch
Pero R2	660 x 480 x 300	200	4-5 min / batch

Note - Higher Capacity models V3, V4, V5 also available.



About Pero AG

Pero is a 60 years old company

Machines manufactured in Germany

More than 10000 machines sold over the years

Pero Customers

Siemens | BOSCH | Rolls Royce | KUKA | Volkswagen

Applications

Parts of fuel injection assembly

Watch parts

Springs

Optical / Glass parts

Precision machined parts



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A-59, Road No. 10, Wagle Industrial Estate, Thane - 400 604, India. **Tel.:** +91 22 4141 0419/22, 4141 0404

Fax : +91 22 2582 0771 • **Email :** massfinishing@galagroup.com • **Website :** www.galagroup.com