

# EASCOO SOLUTION

**Industrial Ultrasonic Cleaning System**

**Custom Design**

**Fully Automatic**

**Environment friendly**

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## 》》》 Solvent-based Ultrasonic Cleaning System

### ➤ Single Tank Solvent-based Cleaning System



### Standard Process Setting

- Spraying cleaning – Vacuum Ultrasonic Cleaning – Fine Spraying cleaning – Fine Vacuum Ultrasonic Cleaning – Vapor bath – Vacuum Drying.

### Features

- Whole process in vacuum environment, heated, can handle complex structure, removes oil, grease, dirt, loose particles, and any other contaminants.
- Standard and custom units available.
- Multiple filters, fully filtered solvent for each time cleaning.
- Perfect cleaning performance while saving solvent.
- Modularized program, reprogrammable easily by user for different cleaning applications.
- Integrated vacuum separator, separating contamination from the solvent.
- High efficiency heat exchanger used, indirect heating, safe and energy saving.
- Explosion proof motor used.
- Pressure, temperature are monitored automatically, solvent temperature will be adjusted according to the pressure.
- Discharges cooled down to safe temperature before discharging.

## 》》》 Solvent-based Ultrasonic Cleaning System

### ➤ Multi Tank Solvent-based Cleaning System



### Standard Process Setting

- Dehydration Ultrasonic cleaning – Desaeration Ultrasonic cleaning - Vacuum Ultrasonic Cleaning – Vapor bath + Vacuum Drying.

### Features

- Using liquid dehydrating agent to remove water content, if no water on the part then no need for this step.
- Desaeration removes the air in the process, increases contact area, eliminates dead zone.
- Ultrasonic cleaning in vacuum environment, reduced viscosity, perfect degreasing.
- Vaporizing the solvent, cleaning the parts further. And then dry the parts.
- Modularized program, reprogrammable easily by user for different cleaning applications.
- Integrated vacuum separator, separating contamination from the solvent.
- High efficiency heat exchanger used, indirect heating, safe and energy saving.
- Explosion proof motor used.
- Pressure, temperature are monitored automatically, solvent temperature will be adjusted according to the pressure.
- Discharges cooled down to safe temperature before discharging.

## ▶▶▶ Solvent-based Ultrasonic Cleaning System

### ➤ Vaccum Rust Prevention System



### ➤ Automatic Distilling System



### Standard Process Setting

- Automatic Loading – Immersion in Rust Preventives & Vaccum Drying – Automatic offloading

### Features

- Immersion & vaccum drying in a single tank.
- Fully enclosed, access for maintenance and cleaning provided.
- Vaccum rust preventives immersion and drying applied, oil film firm and even, and dry, perfect rust prevention with minimum preventives consumption.
- Vaccum distillation for the rust preventives, saves consumption.
- High efficiency heat exchanger used, indirect heating, safe and energy saving.
- Explosion proof motor used.
- Pressure, temperature are monitored automatically, fluid temperature will be adjusted according to the pressure.

### Standard Process Setting

- Old Solvent in - Coarse Filtration - Fine Filtration – Vaccum Separation - Condensation – Gas/liquid separation – New Solvent

### Features

- Whole distillation process in closed tank under low pressure.
- Complete and multiple filtrations.
- Integrated vaccum separator, separating contamination from the solvent.
- Modularized program, reprogrammable easily by user.
- High efficiency heat exchanger used, indirect heating, safe and energy saving.
- Explosion proof motor used.
- Pressure, temperature are monitored automatically, fluid temperature will be adjusted according to the pressure.

## »»» Aqueous Ultrasonic Cleaning System

- Single Tank Aqueous Vacuum Ultrasonic Cleaning System



- Multi Tanks Aqueous Vacuum Ultrasonic Cleaning System



### Standard Process Setting

- First High Pressure Spray Cleaning – Fine Vacuum Cleaning – Air Drying – Fine High Pressure Spray Cleaning – Fine Vacuum Cleaning – Air Drying – Vacuum Drying

### Features

- Combined spaying, ultrasonic, rotation, vacuum cleaning, perfect performance.
- Target part and rotate and move freely, target spot cleaning.
- Multiple filters, fully filtered fluid for each time cleaning. Oil water separator integrated.
- Modularized program, reprogrammable easily by user.
- Optional automatic loading & offloading system
- Optional waste fluid treatment system.
- Optional automatic demagnetization device.
- Optional automatic dosing system.

### Standard Process Setting

- Automatic Loading – First Ultrasonic Cleaning – Fine Ultrasonic Cleaning – Ultrasonic rinsing – Blistering rinsing – Air drying – Automatic offloading.

### Features

- Holding baskets can be custom design, suitable for your target parts.
- Automatic robot arm used for mobilizing fully automatic process.
- Different Ultrasonic frequency available.
- Complete and multiple filtrations.
- Multiple filters, fully filtered fluid for each time cleaning.
- Modularized program, reprogrammable easily by user.
- Optional vacuum drying system
- Optional waste fluid treatment system.
- Optional automatic demagnetization device.
- Optional automatic dosing system.

## »»» Aqueous Ultrasonic Cleaning System

- Through Type Ultrasonic Cleaning System



### Standard Process Setting

- Automatic Loading – Degreasing Spray Cleaning – Air Drying – 1<sup>st</sup> Spray rinsing – Air Drying – 2<sup>nd</sup> Spray rinsing – Air Drying – Cooling – Automatic Offloading

### Features

- Pressure spraying water combined with detergents onto the parts, degreasing, removing particles and rust.
- Continuous cleaning parts of irregular shape, fast and easy.
- Optimized design avoids mixing up of fluids in different tanks.
- Optional robot loading & offloading system
- Optional mist elimination system.
- Optional automatic demagnetization device.
- Optional automatic dosing system.
- Optional automatic demagnetization device

- Vacuum Dryer



### Standard Process Setting

- Automatic Loading – Preheat water Cleaning – Air Drying – Vacuum drying – Automatic offloading.

### Features

- Automatic loading and offloading.
- Hot air circulation, big volume, low noise.
- Vacuum drying.
- Temperature controllable.
- Fence or dodge gate available for inlet and outlet.