



## Compact Small Ultrasonic Cleaning Equipment For Plastic Injection Molders Cleaning

### Our Product Introduction

#### Basic Information

- Place of Origin: China Mainland
- Brand Name: skymen
- Certification: CE
- Model Number: JP-120ST
- Minimum Order Quantity: 1 unit
- Price: Negotiation
- Packaging Details: 1pcs / wooden case packing
- Delivery Time: In Stock
- Payment Terms: T/T, Western Union
- Supply Ability: 30 units /month



#### Product Specification

- Application: Modules Dies
- Tank Size: 500\*300\*250 MM (LxWxH)
- Ultrasonic Max Power: 600 KW
- Frequency: 28khz
- Timer: 1~99 Hours
- Heating Power: 3KW
- Material: Stainless Steel
- Highlight: **ultrasonic cleaning device,  
ultrasonic washing machine**

## Product Description

Regular mold cleaning is the simplest defense against issues that cause unscheduled production interruptions.

An ultrasonic cleaning system produces cavitation bubbles within a non-toxic solution. This helps extend mold life by cleaning the molds thoroughly without damage, regardless of the shape, size or complexity of the mold, contaminant or mold material. The right combination of heat, detergent and time is key.

### Features

- Faster than manual scrubbing
- Requires less disassembly
- Uses water based detergents
- Extends operational run times between scheduled maintenance
- Extends the life of molds and dies

### BASICS

Model	JP-120ST
Interior tank size:	500*300*250 mm;
Capacity:	37 liters;
Material:	Stainless steel 304 + 201 Shell;
Ultrasonic frequency:	28khz
Transducers;	With 12 pieces transducers;
Ultrasonic power	3 KW;
Generator power	220V, 50/60HZ
Warranty:	1 year.

### Tips

**Use the right size cleaning unit/tank.** Consider the size and number of the molds to be cleaned and the type of contaminants to be removed. Smaller-capacity units cost less than those with bigger tanks, but may crowd parts and clean less efficiently, which can result in still-dirty molds or longer running times to get the molds clean. A correctly sized tank allows enough space around the mold for proper ultrasonic cleaning to occur while conserving energy and cleaning chemicals.

**Choose a water-based cleaning solution.** Different solutions excel at cleaning different contaminants in ultrasonic cleaners. They generally are categorized as descalers, enzymatic detergents, low-pH cleaners and specialty detergents. Almost always, a high-pH cleaning detergent is ideally suited for cleaning production molds. Consider the material the molds are made of and the types of contaminants to be removed, and always use water-based detergents. They cost less and are safer to use and dispose of than solvents, which also are unhealthy for humans and require special precautions to control the dangerous vapors and hazardous waste materials they generate, adding time and cost.

**Place the mold on a support rack at the bottom of the tank.** Any mold placed into an ultrasonic unit for cleaning must be on a rack or tray, or in a basket. This allows the cavitation bubbles to penetrate all areas of the injection mold to ensure thorough cleaning.

**Use the right temperature.** Injection molds are cleaned most thoroughly when the ultrasonic detergent solution is maintained between 110°F and 165°F. Without maintaining a consistent temperature, heating and run time will vary with each batch, which can result in longer overall run times, or, if the temperature runs too hot, in breakdown of the cleaning detergent. Running the cleaner for extended periods at higher temperatures may effectively clean parts, but it will require extra electricity and waste time. As temperature increases, the number of cavitation bubbles initially increases before falling off. At the liquid's boiling point, cavitation produced by ultrasonic sound waves introduced into the liquid stops completely.

### What ultraosnic can do ?

Ultrasonic cleaners remove **dirt, oils, lubricants, carbon, rust, and other types of grime** that build up on **engines and mechanical parts**. **Grooves, internal passageways, seals**, and other hard to reach areas are cleaned easily, eliminating hours of disassembling and reassembling complex parts. **Marine parts, turbo blade, heat exchanger, Carburetors, cylinder heads, aluminum parts**, are a few examples of components that are cleaned thoroughly with no manual scrubbing in an ultrasonic cleaner

Before and after:



Meanwhile ultraosnic clenaer are also good at other Application:

Industry	Cleaning Objects
Auto industry	engine parts, gear box, shock absorber, auto nozzle, cylinder, valve, <b>Carburetors</b>
Electrnoincs	PCB board, electronic parts, TV parts, computer parts

<b>Aerospace and marine parts</b>	Turbine blades, Marine Engine components, Overhaul parts, Pneumatics
<b>Machinery</b>	Moulds, precision parts, pressing parts, camera parts, bearing, hardware tools
<b>Plating and Painting</b>	polishing parts, SUS cutter, tableware, plating
<b>Food industry</b>	Oven tray, boiler, bottles, bottle cap, Hood Filters
<b>Optical&amp; watch tool</b>	optical lens, eyeglass, sunglass, metal, gold, jewelry, diamond, watch band, watch cover, watch hand
<b>Jewelry</b>	Jewelry, diamond, gold, silver products
<b>Dental and Medical</b>	Dental Device, Medical Implant, beakers, bottles, vials, pipettes, or other labware.



**Skymen Technology Corporation Limited**



86-755-27094405



info@skymen.cc



skymenultrasonic.com

Floor 1st & 2nd, Building 3, Tanggang Taifeng Industrial Park, Dawangshan Community, Shajing Street, Bao'an District, Shenzhen