



An unexpected fire. A sudden earthquake. A devastating hurricane. Or maybe just a busted pipe. Disaster can strike anytime, anywhere.

What will you do?

The answer is simple.

**STAY CALM. CALL BELFOR.**

### THE BELFOR PROMISE

To do our very best, every time.

To ensure your best interest is

always at the forefront.

To stand behind our word and

to give you our all —

every second, every minute, every day.

**BELFOR**   
**PROPERTYRESTORATION**

**1.800.856.3333**

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**ULTRASONIC CLEANING**



**BELFOR**   
**PROPERTYRESTORATION**



## DOES IT HAVE TO BE REPLACED?

Exposure — to water, smoke, or other contaminants— can wreak havoc on machine parts. If not promptly cleaned and decontaminated, parts may have to be replaced at great expense, including downtime. The BELFOR Ultrasonic Cleaning Line is often a fast, effective alternative to total replacement.

## A LEADER IN ULTRASONIC CLEANING SERVICES (UCS)

BELFOR, the worldwide leader in disaster recovery and property restoration, offers the Ultrasonic Cleaning Line —the fastest and most effective method available for cleaning and completely de-rusting machine parts, stock (injection molding, tools, gear parts) and semi-finished products:

### Advantages of UCS

- Fastest, most effective method available for cleaning and completely de-rusting machine parts, injection molds, tools, semi-finished and finished metal parts
- Unmatched effectiveness
- Speed
- Cost Savings
- Reduced downtimes
- Effective at removing contamination within cavities
- Cleaning agents developed by BELFOR specifically for UCS
- Fully-tested in a wide variety of applications following fire and water damage

## CLEANING SEQUENCE



### BATH 1: Pre-cleaning and Hot Degreasing

Complete removal of various forms of surface contamination (oils, grease, sludge, residual fluids, etc...) by means of ultrasound and hot cleaning solutions.

### BATH 2: Rinsing, Grease/Cleaning Solution Removal

Rinsing of residual grease/dirt and cleaning solution from the component to avoid cross contamination of subsequent bath.

### BATH 3: Corrosion Removal

Complete removal of the corrosion at 55° C using ultrasound and a gentle, slightly acidic complex de-ruster. Suitable for hardened or polished surfaces.

### BATH 4: Rinsing and Acid Neutralization

Residual acid and removed corrosion residue are rinsed off. Prepares component for final step.

### BATH 5: Water Displacement and Preservation

Water displacement and passivating agents ensure that the metal surfaces do not rust upon exposure to air.

## ULTRASONIC CLEANING CHARACTERISTICS

Ultrasonic cleaning uses high frequency sound waves to generate cavitation in the liquid. The resulting energetic bubbles act on contaminants adhering to substrates like metals, plastics, glass, rubber, ceramic, etc. This action penetrates blind holes, cracks, and recesses to thoroughly remove all traces of contamination adhering or embedded on the solid surface. Contaminants can include dust, dirt, oil, pigments, grease, polishing compounds, flux agents, soot, and so on. Ultrasonic cleaning can be used for a wide range of workpiece shapes, sizes, and materials, and may not require the part to be disassembled prior to cleaning.



## YOUR ULTRASONIC CLEANING SOURCE

BELFOR can help. Call our 24-hour hotline.

**1-800-856-3333** or visit [www.belfor.com](http://www.belfor.com).

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