

### Cost:

The least expensive cleaning solution is not necessarily the least costly to use. Consideration must be given to its effectiveness, safety, and the number of parts processed with a given amount of solution. Naturally, the cleaning solution must be compatible with the materials to be cleaned as well as effective in removing the soils. Water is one of the most common cleaning liquids and, invariably,

systems using aqueous-based solutions are simple to handle, have low operating costs, and are effective over a wide range of applications. There are some materials and soils, however, for which aqueous solutions are not particularly suitable and, to deal with these, there is a wide range of solvents available.

Credit: Some information are taken from Branson Ultrasonic Corporation, Danbury, CT

# Cleaning Machines

## MARKET SURVEY

MAFO will give you a short overview of the cleaning market, especially the suppliers of machines.

In our survey you will find product details provided by the suppliers and manufacturers of the machines.

For further details please contact them via their web sites.



AquaLine

### General Information

Created via a spin off from the HAMO Group (founded in 1957) Amsonic offers since many years products for the growing market of industrial cleaning. The group has manufacturing plants in Switzerland and France, sales-divisions in Europe and agents worldwide. Amsonic clients are in different industries: e.g. optical, watch, automotive, aerospace, medical-devices, turned parts and jewellery. The product portfolio includes a wide range of standardized products but also includes a variety of customized equipment.

### Machinery

#### AquaLine

- Ultrasonic Cleaner
- Automatic Robot System
- Modular Concept
- Hot Air Drying or Vacuum Drying
- Available with Automatic Input- and Output-Conveyors
- Filter Systems Prestage of Clean Rooms
- Available with Loading and Unloading System
- 10 up to 15 baskets/hour

#### HandyClean

- Water-based Process
- Compact Ultrasonic Cleaner
- Ultrasonic on/off control
- 6 Cleaning Tanks
- Integral Drying System

### Amsonic AG/SA

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[www.amsonic.com](http://www.amsonic.com)

## CLEANING



### HandyClean

#### WinInClean

- Cleaning before Inspection
- For all Types of Lenses (CR 39, Polycarbonate, High/Middle Index, Mineral)
- Ultrasonic and Spray Cleaning Technology
- Removes Ink Markings, Residuals, Polishing Paste and Oxides
- 'Contact Free' Application
- Modular Concept
- Available with Deblocking
- Deblocking, Removal of Water-Soluble Film and Separation of Block Pieces
- Drying Module
- In- and Out-Conveyors (optional)
- Up to 500 Lenses/Hour

#### TTC

- Ultrasonic Cleaner
- Table Top Unit
- Water-based process
- Hot-Air Drying
- Modular Concept