

3 Factors Required to Pick the Best Ultrasonic Cleaner

To pick the best ultrasonic cleaner start with a thorough understanding of what the process is to accomplish and then identify ultrasonic cleaner features that let you accomplish the task(s) in the most cost-effective way.

1 Size



You can't mount a 19-inch tire on a 15-inch wheel. Similarly the dimensions (length, width, depth) of the ultrasonic cleaner's tank must be sufficient to accommodate the largest component you plan to clean.

2 Frequency



Ultrasonic frequencies determine the size of cavitation bubbles that do the cleaning job. Lower frequencies are better for heavily soiled cast or fabricated materials, higher frequencies work best for delicate parts or those with soft or highly polished surfaces. Cleaners are also available operating at dual frequencies to extend their utility.

3 Features



Your wisest ultrasonic cleaner purchase may be a simple on-off unit. But more than likely it will be enhanced with a series of operating features available from manufacturers.

Here are some key features to consider:

- Timers let you set the length of the recommended cleaning cycle length.
- Temperature controls – thermostats – let you set the recommended cleaning temperature.
- Sweep mode is a slight variation in ultrasonic frequency to provide more uniform cleaning and avoid damage to delicate electronics and highly finished surfaces.
- A degas mode speeds the removal of trapped air in fresh cleaning solutions that otherwise impedes cleaning action.
- A manually activated pulse mode delivers intermittent spikes of very high ultrasonic power to remove stubborn contaminants.
- Adjustable power enables you to clean a wider variety of products.

Questions?

Tovatech's scientists are ready to assist you in selecting with calibration or Analytical Balance questions.