

Ultrasonic Sonochemistry

The essence of the sonochemistry effect is the cavitation effect, bubble appearance, microbubbles growth, microbubbles, bursting.

When the microbubbles grow up and suddenly rupture, they can generate a strong shock wave, which produces a series of magical reactions. Different media takes different reactions. For example, in oil-water medium, ultrasonic takes emulsification effect, solid-liquid medium, ultrasonic energy takes homogenizing effect, and ultrasonic wave can also play the role of turbidity, sterilization, extraction, etc. So you can see many name for ultrasonic sonochemistry equipment depends on different application. But actually they are the same equipment.



We recommend different different horn depending on different application, for the container, the work environment, the Stress points different, so it requires different horns



There will be complex conditions during industrial applications. RPS-SONIC provides professional condition analysis and program recommendations to provide production efficiency and output ratio.

We can design and simulation environment, and customize different equipment for you.

Ultrasonic sonochemistry generally acts as a catalyst in industrial applications and is not required, so some customers do not understand the necessity of ultrasound and the number of equipment required. Usually we will recommend the minimum number of equipment, depending on the situation after your production trial, decide how many equipment for your application.

