

SOUND

APPLICATION OF ULTRASOUND

Applications of ultrasound (ultrasonic waves)

Ultrasonic waves have number of uses:

1. Ultrasonic vibrations are used for homogenizing milk, i.e., the milk is agitated with ultrasonic vibrators. These vibrations break down the larger particles of the fat present in milk to smaller particles.
2. Ultrasonic vibrations are used in dish washing machines. In such machines, water and detergent are vibrated with ultrasonic vibrators. The vibrating detergent particles rub against the dirty utensils and thus clean them.
3. Ultrasonic vibrations produce a sort of depression in rats and cockroaches. Ultrasonic vibrators are used to drive rats and cockroaches from god owns.
4. Ultrasonic vibrations are used for imaging internal organs of human body. In fact they are even used to study the growth of fetus in mother's womb.
5. Ultrasonic vibrations are used in relieving pain in joints and muscles. 6. Ultrasonic vibrations are used in detecting flaws in articles made from metals. They are also used in finding the thickness of various parts of a metallic component.

