



FOTROS

Technical and Engineering Company

www.ultrasonic.fotrosco.ir

Ultrasonic Cutter



Ultrasonic cutter

is an advanced tool for precise cutting of various materials that uses ultrasonic vibrations instead of high mechanical pressure. These vibrations make the blade penetrate the material more easily and also greatly reduce the force required for cutting and increase the accuracy of the operation.

The cutting edges remain very clean and without deformation.

There is less deformation or crushing of the part.

It creates less local heat than a hot blade.

It has high accuracy for delicate parts.

This tool is used in cutting plastics, foam, fabrics, food industries and also for pleating.

Key Features:

Automatic frequency adjustment

Titanium probe

Fast and efficient processing

Adjustable power

Versatile in cutting different types of materials



Ultrasonic cutters are produced and used in two main forms:

Handheld type (ultrasonic gun):

These models are lightweight, portable, and suitable for delicate work, repairs, model making, and low-volume production, and the operator has direct control over the cut.

Industrial type (large machines):

These systems are designed as stationary machines or automatic production lines, have high accuracy and speed, and are used for mass production and continuous cutting in various industries.

