

## **What is a Sculpting Laser?**

The Zerona-6 sculpting laser is made by Erchonia ([www.erchonia.com](http://www.erchonia.com)), a US laser manufacturer focusing on the effectiveness of red light lasers to reduce body fat and cellulite, eliminate pain, and treat conditions such as toe fungus, asthma, acne, inflammation, assist with pre/post operative healing, improve brain function, and much more. The Zerona-6 laser was developed in 2010 to assist in non-invasive “liposuction” since it helps the body absorb and process fat using natural biological processes. The Zerona-6 has 5 FDA clearances for laser sculpting.

## **How does the Zerona-6 laser work?**

The Zerona-6 laser produces a low-level output that has no thermal effect on the body's tissue. FDA-approved for both efficacy and safety, the non-invasive Zerona-6 laser helps the body absorb and process fat by stimulating natural biological function. Because the laser is a coherent light source, the photons move in a uniform-parallel manner and are not scattered like light from other light sources (as in LED light); therefore depth penetration past the skin is far greater with the laser than from any other light source.

## **What does the Zerona-6 laser do to fat?**

The Zerona-6 laser uses 6 rotating lasers to stimulate the photo-receptors in each fat cell. The photo-receptors absorb photons at 635nm, and by exciting these photoreceptors, the Zerona-6 is able to stimulate the excess fat to leave the cell, producing a beneficial clinical effect. It does not destroy the cell or the fat. When the fat storing cells are exposed to the red laser light, the biological response observed is the formation of a “pore” or an opening in the protective membrane of the cell. By altering the integrity of the cell’s membrane, the fatty material is quickly removed from the cell, causing the once plump cell to collapse, but is not destroyed, so it can still secrete beneficial hormones. Because the cell no longer retains its stored content, it collapses, the material is absorbed by the lymphatic system, and the end result is the reduction of a subcutaneous fat pocket. The customized aim of the lasers provides a smooth transition to non-treated fat cells, providing a seamless and natural contouring.

## **Where does the fat go?**

Once the fatty material leaves the cell, it is quickly absorbed by the lymphatic system, where it is transported to the liver for processing. The excess fat is then removed naturally by the body without the negative side effects and downtime associated with more invasive procedures such as medically performed liposuction (surgery), and cryolipolysis (freezing.)

**How was Zerona tested?**

Zerona-6 was tested in a double blind, randomized, multi-site and placebo-controlled study which revealed that in two weeks of trials with the Zerona-6 laser—without surgery, diet restrictions, supplements or any other adjuncts—patients lost an average of 3.65 inches from their waists, hips and thighs. At the end of two weeks, 63 percent of the patients treated with the Zerona-6 laser had a reduced body circumference of at least three inches with some patients losing as much as nine and a half inches. With a difference of almost 60 percent between the laser-treated and placebo-treated groups, the Zerona laser just may prove to be the future of body contouring without surgery.

**What is the standard Zerona treatment?**

The Zerona-6 treatment consists of six treatments, 1-2 per week. The laser is directed towards the hips, stomach and thighs (arms and ankles) for twenty minutes on the front side, then the patient flips over, and the laser targets the back for twenty minutes. The patient will feel no heat or any sensation from the laser.

**What maximizes results?**

Although not required, results may be maximized with lymphatic supplements such as niacin, proper hydration, light exercise, and minimizing alcohol and caffeine.

**How soon could I see results?**

Results vary from patient to patient but could appear after the first treatment. Best results typically occur a week after the final (sixth) treatment.

(Taken directly from the Erchonia Fact Sheet, Crier Communications, Beverly Hills, CA)