

"VASER Hi-Def can be used to sculpt six-pack abs, for example, or bring out the contours of the calf muscles. It's a great procedure that brings out the artist in the aesthetic physician."



Before Tx



After VASER Tx

Photos courtesy of David Broadway, M.D.



Before Tx



Three months after VASER Tx

Photos courtesy of Payman Simoni, M.D.

Designed specifically to improve upon the fat harvesting aspect of the original device, the VASER 2.0 Lipo System also enhances the overall user experience. Research shows the level of suction pressure may significantly influence fat viability; therefore, vacuum controls are more sensitive to fine adjustment and pressure levels may be monitored during treatment to help fine tune the aspiration rate for more reproducible results. Additionally, the ultrasonic energy has also been specifically tuned to preserve connective tissue and maintain fat cell viability.

As an adjunct to the VASER system, the Shippert Tissu-Trans Fat Harvesting and Re-injection System facilitates easy capturing of viable, aspirated fat, without the lengthy filtering process. Furthermore, VASER with Shippert Tissu-Trans is one of only two FDA cleared technologies for body contouring and fat transfer.

"There are two canister options with this system," noted David Broadway, M.D., a plastic surgeon in private practice in the Denver, Colorado area. "One helps you capture fat inside an intravenous (I.V.) bag, where you can let it separate before decanting the fat, and the other is a canister with a mesh filter to strain the fat. I use this commonly if I have a lot of areas to treat in one session. Ultimately, it allows the gentle harvesting of fat with minimal exposure to air and minimal handling."



David Broadway, M.D.
Plastic Surgeon
Denver, CO

VASER 2.0 was also refined ergonomically – from its more intuitive organization of user controls, down to a nearly indestructible handpiece and new look. The fine vacuum pressure adjustment also improves advanced body contouring procedures such as



John A. Millard, M.D.
Plastic Surgeon
Lone Tree, CO

VASER Hi-Def; allowing users to selectively remove fat to enhance existing contours from bone and musculature with relatively superficial sculpting for superior outcomes. "VASER Hi-Def can be used to sculpt six-pack abs, for example, or bring out the contours of the calf muscles," said John A. Millard, M.D., a plastic surgeon in private practice in Lone Tree, Colo. Dr. Millard was co-author of the landmark VASER Hi-Def study, and he introduced the technique to the U.S. in late 2005. "It's a great procedure that brings out the artist in the aesthetic physician."

VASER stands for Vibration Amplification of Sound Energy at Resonance, alluding to the original device's harnessed ultrasound energy for fatty tissue emulsification. According to Michael Nagy, M.D., a plastic surgeon and partner of the Personal Enhancement Center in Toms River, N.J., the device is more of an adjunct to liposuction than a stand-alone modality; nevertheless, it has been a game changer since its initial launch.



Michael Nagy, M.D.
Plastic Surgeon
Partner
Personal Enhancement Center
Toms River, NJ

"The device transforms a typically traumatic modality into a gentler procedure that is as effective for smaller-scale, in-office liposuction with minimal anesthesia, as it is for large volume reduction performed in an operating room under general anesthesia," said Dr. Nagy. "The procedure is much less traumatic so downtime and the incidence of complications are definitely reduced. There is also significantly less blood loss during the procedure, and a higher concentration of adipose tissue in the aspirate, so you can remove higher volumes