

Bow Report

By Bill Krenz

Alpine Silverado Ventura

Did you know that Alpine Archery was the very first bow company to offer a compound bow with a machined-aluminum riser? Alpine did that way back in 1990, and they've been a leader in riser technology ever since.

Three years ago, for example, they took riser design yet another leap forward with the introduction of a modular machined-aluminum riser. That innovation, introduced on the Alpine Silverado and Silverado Sabre bows, featured a riser meticulously assembled with several precisely machined parts. That riser was, and is, remarkable.

Brand-new for 2008 from Alpine Archery is yet another innovative machined-aluminum riser. This one is a solid, one-piece riser that blends an artful shape with exceptional strength and rigidity. It's featured on the all-new Alpine Silverado Ventura bow.

The 2008 Alpine Silverado Ventura is a state-of-the-art compound bow packed with upgrades like innovative VX limb pockets, a Velocitec Hybrid Cam System, parallel split

limbs and a rosewood grip. It's a bow designed to meet all expectations.

How It Shoots

Fast, quiet and shock-free best describe the Silverado Ventura, making this a very easy bow to like.

I like the bow's minimalist wood grip. It's classy, comfortable and high-tech. It's all you need, and it easily sidesteps the nagging bulkiness of many wood grips.

The draw cycle of the Silverado Ventura and its Velocitec Cam System is stiff but smooth. Much of the bow's raw power comes from that cycle. Letoff is gentle and there's a relatively firm back wall, which contributes significantly to the bow's inherent shooting consistency.

At the shot, the test Alpine Silverado Ventura proved a wonderfully quiet and shock-free bow, compliments of intelligent design, an unusually rigid one-piece riser, parallel limbs, a great cam system and onboard limb dampeners. This bow is quiet and shock-free right out of the box.

Arrow speed with the Silverado Ventura is very good, surpassing many of its direct competitors. Likewise, I found consistent accuracy to be another of its primary traits. I suspect that much of that consistency comes from the bow's precision-machined riser that is extra stiff and inventive VX limb pockets that go such a long way to guarantee perfect limb alignment.

In addition, it seems to me that the bow's 35-inch axle-to-axle length also promoted accurate shooting. At my 29-inch draw length, that bow length seems to serve up an almost ideal blend of arrow speed, full-draw comfort, easy tuning and consistent shooting.

The new 2008 Alpine Archery Silverado Ventura truly is a bow with a load of talent.

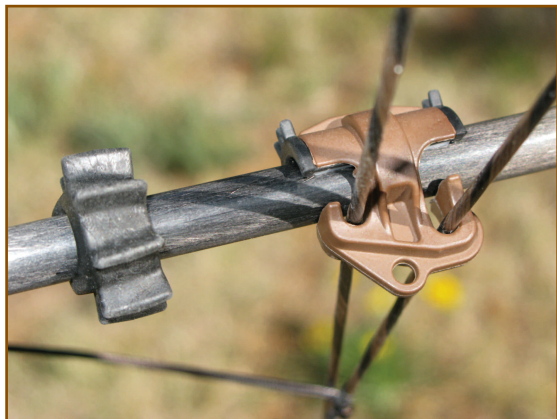
Key Features and Benefits

ONE-PIECE MACHINED RISER

Artful, flowing lines belie a particularly stiff and strong riser. That extra stiffness contributes mightily to the bow's inherent accuracy and quiet, shock-free ways.

VELOCITEC HYBRID CAM SYSTEM

This is a true hybrid eccentric system,



Combining Teflon and rubber in a composite housing, the ingenious Mach 5 Cable Slide on the Silverado Ventura is durable, quiet and slippery as can be. It's a slick idea.



The bow's unique VX Limb Pockets lock the limb butts in place. Two cross-pocket clamping bolts are used to draw the right and left sides of the pockets together like a vise.



Specifications

Alpine Silverado Ventura

Axle-to-Axle Length	35 inches
Brace Height	7.7 inches
Riser Geometry	2.25 inch reflex
Mass Weight	4.3 pounds
Letoff	80%
Draw Lengths	28 to 31 inches
Draw Weights	60#, 70#
Finish	Next Camo G-1

For more information, Circle #187, log onto alpinearchery.com or call (208) 746-4717.

Arrow Speed

Alpine Silverado Ventura set at 29 inches (by factory), and adjusted to 70 pounds

28-inch Arrows	Shaft: Grains/In	Arrow: Total Weight	Kinetic Energy	Arrow Speed
Easton XX78 Alloy 2512	10.3	448 gr.	78.0	280 fps
Easton Full Metal Jacket 400	10.2	426 gr.	77.4	286 fps
Carbon Express Aramid KV 350	9.8	415 gr.	77.5	290 fps
Carbon Tech Whitetail 65/80	9.5	411 gr.	77.3	291 fps
Carbon Express Maxima Hunter 350	8.9	398 gr.	76.9	295 fps
Easton ST Axis N-Fused 400	9.0	392 gr.	77.3	298 fps
Beman ICS Hunter Elite 400	8.4	390 gr.	77.4	299 fps
Gold Tip XT Hunter 55/75	8.2	385 gr.	77.0	300 fps
PSE Radial X Weave Hunter 300	8.1	376 gr.	77.2	304 fps
Easton LightSpeed 400	7.4	363 gr.	76.5	308 fps
Gold Tip Ultralight Pro 400	7.4	361 gr.	76.5	309 fps
Carbon Tech Cheetah 400	6.4	346 gr.	76.3	315 fps
High Country Speed Pro Max	5.5	303 gr.	73.7	331 fps

Bow weighed with an Easton Bow Force Digital Scale. All tests conducted with a Spot-Hogg Hooter Shooter Portable Shooting Machine and a Competition Electronics Pro Chronograph.



Interchangeable modules (green) are used to conveniently adjust draw length. No bow press is needed to make the switch.

meaning it borrows the very best features from both one-cam and two-cam arrangements. To begin with, Velocitec features a cable-payout system that slaves both cams together to nearly eliminate the troublesome timing issues associated with conventional two-cam systems. In addition, the presence of two distinctly different string profiles delivers superb arrow speed, while the consistent radius of the control cam serves up a smooth draw cycle. Draw length is conveniently adjusted with interchangeable cam modules.

VX LIMB POCKETS

Alpine's VX Limb Pockets are different. They are essentially a locking, dampening limb pocket system that eliminates all limb-butt movement. Two beefy cross-pocket clamping bolts are used to draw the right and left sides of the pockets

together like the jaws of a vise, holding the limbs securely and accurately in place.

PARALLEL SPLIT LIMBS

The Silverado Ventura's racy split limbs are configured in a nearly parallel configuration. At the shot, the upper limbs rebound more or less upward, while the lower limbs move downward. Those equal-but-opposite actions nearly cancel each other out, contributing appreciably to a quieter and more shock-free shot.

FUTURISTIC ROSEWOOD GRIP

This is a wonderful wood grip. It's sculpted just enough to be consistent, comfortable and very accurate, and yet it's trim and slim. A medium-wrist configuration is standard on the Silverado Ventura. A low-wrist configuration is also available separately.

MACH 5 CABLE SLIDE

The Alpine Mach 5 Cable Slide on the 2008 Silverado Ventura is one of the toughest, quietest and slipperiest cable slides ever offered. It combines Teflon and rubber in a high-tech composite housing. An activation-cord tie-off for drop-away arrow rests is integrated into the Mach 5 Slide. 