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Litespeed's geometrically enhanced tube shapes address cycling frame stresses in ways that standard round tubes simply cannot.



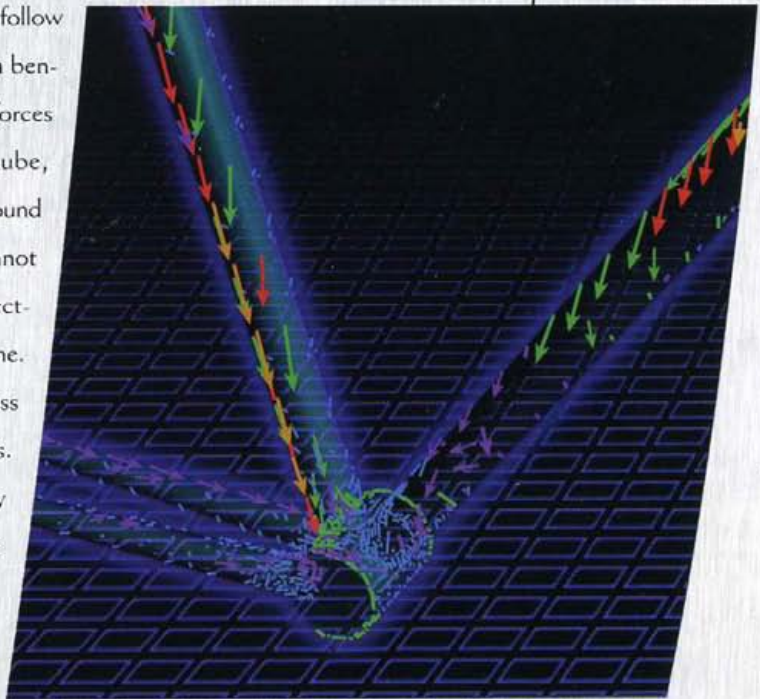


Cycling technology is advancing at the speed of light; or you might say Litespeed! Because no other manufacturer of titanium bicycles has more proprietary design and manufacturing processes for enhancing the natural performance characteristics of titanium than Litespeed.

During the pedaling cycle, each tube on the frame encounters different stress forces. The computer model shows how the stress lines on the seat tube follow the tube straight down, indicating a bending stress. By contrast, the stress forces on the downtube cross over the tube, indicating a torsion (twisting) stress. Round tubing as a singular shape simply cannot adequately address the various directional stresses found in the bicycle frame. Changing diameters and wall thickness does help, but only at minimal levels.

Litespeed's all new geometrically enhanced tube sets address the unique directional stresses found in each tube of the bicycle. Using the cold-working process, we create shapes and grain structures that are "stress-directional specific." As the market leader Litespeed has spent the past decade developing cycling specific titanium tubing, and these new tube sets represent the pinnacle of innovation and design.

(Just what you'd expect from the company that continually advances the art and science of titanium bicycles—Litespeed.)

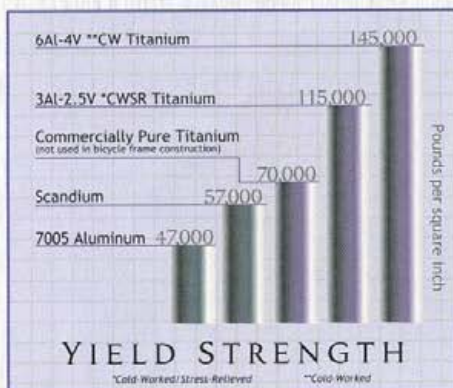
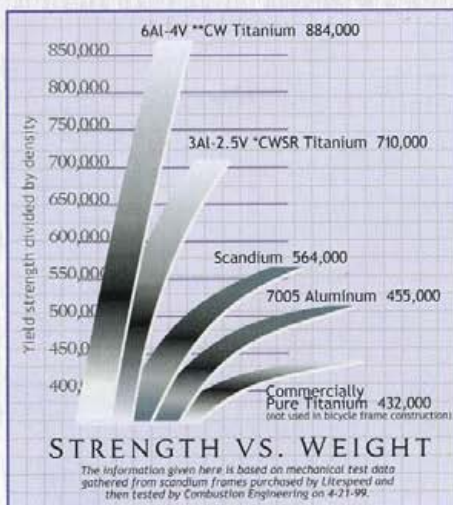


This computer model visualizes the varying stresses in a bicycle frame during the pedaling cycle. Arrows indicate the direction of stress; brighter colors indicate higher levels of stress.



## WHY WE BUILD TITANIUM BICYCLES

At Litespeed we use titanium because it is the best material available in the world today for ultra high-performance bicycle frames. Ounce for ounce, the alloys of titanium we use in our bicycle frames are significantly stronger than the best aluminum, carbon fiber, or steel frames. Our titanium alloys have a fatigue life that is up to five times that of aluminum or steel. Furthermore, due to its molecular structure, titanium has the unique ability to damp vibrations without deadening the overall feel of the bike and without significant energy loss. Add it all up and you've got a ride with the liveliness of high quality steel tubes, the shock absorbency of good carbon fiber, and the stiffness of aluminum—what has become commonly referred to as titanium's "magical ride" quality.

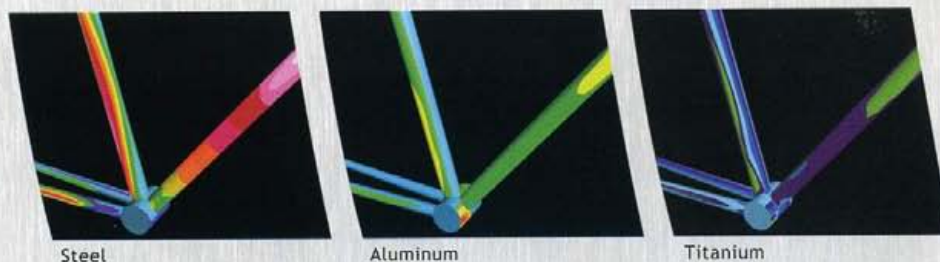


Tests show Litespeed titanium is superior over all other materials including scandium.

## COMMITMENT—ONLY FROM LITESPEED

Titanium has become the benchmark in high performance cycling. It's not unusual to see other materials advertised as "stronger than—better than—lighter than" titanium. What these brands don't advertise is that none of them carry a warranty longer than five years, and many less than that. For example, scandium frames have minimal warranties—some as short as one year. Carbon fiber also carries a minimal warranty period. What kind of message does this send about their commitment to quality, value and safety?

At Litespeed we put our heart and soul into every bicycle frame we build—and we back it all up with a lifetime warranty.\*



**Why titanium?** This computer simulation compares fatigue stress levels of a bicycle frame at work. The bright colors represent high fatigue stress. Note the low stress level colors on the titanium frame, illustrating that ounce for ounce titanium is the superior material for frame construction.

\*For details on our warranty, contact us or check out our website at: [www.litespeed.com](http://www.litespeed.com).



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### THE HIGHEST QUALITY—ONLY FROM LITESPEED

At Litespeed, we use only the highest quality titanium alloys in the world—all aerospace-certified grades or better. However, good materials mean nothing without quality craftsmanship and proper manufacturing controls. Every craftsman at Litespeed must live up to the same standard—perfection—backing up Litespeed's Quality Assurance Program, which is based on the most stringent aerospace standards. No bicycle company in the world has a better Quality Assurance Program than Litespeed.

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### EXTENSIVE COLD-WORKING—ONLY FROM LITESPEED

Cold-working is the process of shaping a metal at room temperature. When cold-worked, certain metals will increase in strength. Litespeed is the only bicycle manufacturer in the world to extensively cold-work tubing for bicycle frames. Litespeed's cold-worked titanium is approximately 45% stronger than the standard titanium other frame builders use. This increase in strength allows us to further enhance the performance of all our frames.

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### UNMATCHED WELD INTEGRITY—ONLY FROM LITESPEED

How can Litespeed frames withstand 2 million simulated pedal strokes with a 400-pound load? Weld integrity. Our welding craftsmen must pass a rigorous apprenticeship before they begin welding our frames. Their welds must be perfect, because at Litespeed we do not allow the multi-pass welding techniques other companies use to cover up flawed welds. We are the only titanium frame builders in the world to use parent metal-matched filler metals and laboratory-pure argon gas for the welding process. Why go to so much trouble? Simple: Because quality craftsmen using quality materials provide flawless weld joints with superior strength. We guarantee it.





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## CUSTOM FRAMES FROM LITESPEED

At Litespeed we have an amazing selection of titanium frames in stock, ready for your order. While many professionals are able to find the perfect fit and performance characteristics among our stock frames, some choose to have bicycles custom built at Litespeed. However, this option is not exclusively for the professional athlete—we can custom build for you, too. Whether you want a custom mountain, road, or track frame—or even a copy of a World or Tour De France champion frame—we are ready to build a Litespeed just for you. The same craftsmen who create the finest performance bicycles for national and world champions are ready to build your dream bicycle.

To learn more about custom-built frames, or to get the Litespeed pros started on your own custom dream machine, just contact us.

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Litespeed Titanium Bicycles

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*Lifespeed*









# R O A D

Screaming acceleration.

Precise handling.

Superb cornering.

Rail-like stability.

These are the hallmarks of Litespeed road bikes. And the reasons Olympic, World and National champions continue to choose Litespeed. The same craftsmanship and materials used to build the bikes that win Tour de France victories are put into every Litespeed road bike. These same qualities serve as the baseline for our Year 2000 designs. The all-new geometrically enhanced tubes add unbeatable strength, comfort, and aesthetic appeal. One ride on any of these new designs and you'll understand why Litespeed road bikes continue to be the most desired bikes in the world.





ARENBERG (ar en bərg), -n. 1. the famed forest section in Paris-Roubaix where cobblestones are large and rough. 2. the tight-tracking Litespeed road bike that makes easy work of any road surface, new for the year 2000.

#### COMPONENT SELECTIONS

Shimano 105  
(Double or Triple Chainrings)  
Shimano Ultegra  
(Double or Triple Chainrings)  
Campagnolo Chorus

#### FORK OPTIONS

Time  
Look

Oversized 3Al-2.5V seamless titanium provides a perfect balance of comfort, stiffness and durability

Biaxially ovalized 3Al-2.5V downtube for added stiffness

Cold-worked radial seatstays for a stiffer, more comfortable ride

Curved chainstays allow for improved heel clearance

Clearance for triple front chainrings

Frame finish: Bright Brushed

\*Bike shown with optional equipment



# ARENBERG



The Arenberg's beautifully curved chainstays provide lateral stiffness and improved heel clearance.





# TUSCANY



The Tuscan's teardrop-shaped downtube is oversized, cold-worked and geometrically enhanced for improved aerodynamics and greater strength and stiffness in the head-tube and bottom bracket.



New cold-worked, geometrically enhanced 3Al-2.5V seamless titanium tubing ensures comfort, stiffness and durability

New oversized, teardrop-shaped 3Al-2.5V downtube for added stiffness, precise handling and improved aerodynamics

New 1 1/8" oversized headtube for greater front-end rigidity and a lighter frame/fork assembly

New cold-worked triangular toptube

New cold-worked, dual-bend seatstays enhance lateral stiffness and vertical compliance

New curved chainstays allow for improved heel clearance

#### Frame finish/colors:

Bright Brushed

Dark Blue Metallic (PPG Ferrari Tour De France Met)

Silver Blue Metallic (PPG Ferrari Azurro California Met)

Dark Green Metallic (PPG Land Rover British Racing Green)

Bright Red (PPG Ferrari Rosso Corsa)

Pearl White (PPG Mercedes-Benz White Pearl Mica)

Black Metallic (PPG Ferrari Nero Daytona Met)

**TUSCANY** (tus' kənē), n., -n. 1. a region in West-central Italy known as a Mecca for the world's finest professional cyclists. 2. a place where days are filled with arduous training rides along the beautiful Tyrrhenian Sea, or through the rolling Tuscan hills. 3. a Litespeed bicycle durable enough for everyday training, yet with all the performance characteristics needed to win races 4. the geometrically enhanced Litespeed bike that'll make all your friends envious.

#### COMPONENT SELECTIONS

Shimano 105

Shimano Ultegra

Shimano Dura-Ace

Campagnolo Chorus

Campagnolo Record

#### FORK OPTIONS

Time

Look

#### DIFFERENCES FROM ARENBERG

1 1/8" headtube

Triangular toptube

Oversized, teardrop-shaped downtube

Shorter chainstays



\*Bike shown with optional equipment





**CLASSIC** (klás ik), n., v., -adj., -n. 1. serving as the standard or traditional model. 2. a cold-worked 3Al-2.5V tubeset with a European geometry that provides a unique ride. 3. a Litespeed with classic road geometry for carving tight corners and maintaining straight-line stability and tapered/butted rear stays for lateral rigidity and vertical compliance. 4. a high-performance bike that equally suits the USCF racer or an aggressive rider who enjoys local group rides, the Litespeed Classic is a classic.

#### COMPONENT SELECTIONS

Shimano 105  
(Double or Triple Chainrings)  
Shimano Ultegra  
(Double or Triple Chainrings)  
Shimano Dura-Ace  
Campagnolo Chorus  
Campagnolo Record

#### FORK OPTIONS

Time  
Look

#### DIFFERENCES FROM TUSCANY

Welded-on front derailleur mount  
Straight seat stays  
Sculpted seat tube with welded-on binder  
Available as Brilliant Polished

Cold-worked, 3Al-2.5V seamless titanium tubing ensures comfort, stiffness and durability

Classic European geometry maintains tight cornering and straight-line stability

Clearance for triple front chainrings

New engraved bottom-bracket shell

New beautifully sculpted dropouts

New curved chainstays allow for improved heel clearance

Sculpted seattube with welded-on binder

Welded-on front derailleur mount

Custom frame design and sizes available

#### Frame finish/colors:

Bright Brushed

Brilliant Polished

Dark Blue Metallic (PPG Ferrari Tour De France Met)

Silver Blue Metallic (PPG Ferrari Azurro California Met)

Dark Green Metallic (PPG Land Rover British Racing Green)

Bright Red (PPG Ferrari Rosso Corsa)

Pearl White (PPG Mercedes-Benz White Pearl Mica)

Black Metallic (PPG Ferrari Nero Daytona Met)

\*Bike shown with optional equipment



# CLASSIC

Beautifully sculpted dropouts reflect the traditional styling of the Classic.





# ULTIMATE

Even with short chainstays, the Ultimate's new, UCI legal seat tube's precisely shaped cutout allows for optimum tire clearance.





New cold-worked, tapered/butted, geometrically enhanced 3Al-2.5V/6Al-4V titanium tubeset blend for the ultimate in handling, acceleration and comfort

Oversized, aero-bladed 6Al-4V downtube

New UCI legal frame design

New 1 1/8" oversized headtube for greater front-end rigidity and a lighter frame/fork assembly

New engraved bottom-bracket shell

New beautifully sculpted dropouts

New artistically designed stainless steel seat collar

Welded-on front derailleur mount

New cold-worked, dual-bend seatstays enhance lateral stiffness and vertical compliance

Custom frame design and sizes available

Frame finish/colors:

Bright Brushed

Brilliant Polished

Dark Blue Metallic (PPG Ferrari Tour De France Met)

Silver Blue Metallic (PPG Ferrari Azurro California Met)

Dark Green Metallic (PPG Land Rover British Racing Green)

Bright Red (PPG Ferrari Rosso Corsa)

Pearl White (PPG Mercedes-Benz White Pearl Mica)

Black Metallic (PPG Ferrari Nero Daytona Met)

**ULTIMATE** (ul' tə mit), -adj., n. 1. furthest, farthest or highest. 2. representing a point beyond which improvements seem impossible. 3. the Litespeed bike that, after winning countless professional races and titles, has become the most sought-after bicycle in the world. 4. a unique bike made from a combination of swaged and tapered 3Al-2.5V and super-strong 6Al-4V titanium tubes for precise handling, superb cornering and screaming acceleration.

#### COMPONENT SELECTIONS

Shimano 105

Shimano Ultegra

Shimano Dura-Ace

Campagnolo Chorus

Campagnolo Record

#### FORK OPTIONS

Time

Look

#### DIFFERENCES FROM CLASSIC

1 1/8" headtube

More cold-worked aero tubeset

Oversized, aero-bladed 6Al-4V downtube

More aggressive geometry



\*Bike shown with optional equipment





**VORTEX** (vôr' teks), -n. 1. a violent, whirling mass of fire, water or air having an irresistible attraction. 2. the world's lightest, stiffest and most durable high-performance bike ridden in numerous victories including the Tour de France. 3. the only road bike in the world made extensively of super-strong 6Al-4V titanium for instantaneous acceleration, rail-like descent stability, well-balanced geometry and unbelievable light weight. 4. the Litespeed cyclists everywhere can't help but be drawn to.

#### COMPONENT SELECTIONS

Shimano Dura-Ace  
Campagnolo Record

#### FORK OPTIONS

Time  
Look

#### DIFFERENCES FROM ULTIMATE

More cold-worked, 6Al-4V tubeset  
Monoaxially ovalized 6Al-4V downtube  
Traditional European road race geometry

Super-light, super-strong 6Al-4V titanium tubeset

New 1 1/8" oversized headtube for greater front-end rigidity and a lighter frame/fork assembly

New engraved bottom-bracket shell

New beautifully sculpted dropouts

New artistically designed stainless steel seat collar

New cold-worked, dual-bend seatstays enhance lateral stiffness and vertical compliance

New curved chainstays for improved heel clearance

Custom frame design and sizes available

Frame finish/colors:

Bright Brushed

Dark Blue Metallic (PPG Ferrari Tour De France Met)

Silver Blue Metallic (PPG Ferrari Azurro California Met)

Dark Green Metallic (PPG Land Rover British Racing Green)

Bright Red (PPG Ferrari Rosso Corsa)

Pearl White (PPG Mercedes-Benz White Pearl Mica)

Black Metallic (PPG Ferrari Nero Daytona Met)

\*Bike shown with optional equipment



# VORTEX



Functional as well as stylish, the 1 1/8" headtube of the Vortex allows for a lighter and stiffer bicycle.



# PALMARÈS



The Palmarès is the most sophisticated bike in the world. Its features include an unmatched array of geometrically enhanced tubes, including an aero-bladed 6Al-4V downtube, a super-strong ten-sided 6Al-4V seat tube, a triangular 6Al-4V toptube and aero-bladed seat and chainstays.





Super-light, super-strong 6Al-4V titanium tubeset

1 1/8" oversized headtube for greater front-end rigidity and a lighter frame/fork assembly

Cold-worked, ten-sided 6Al-4V seattube

Cold-worked, triangular 6Al-4V toptube

Cold-worked, oversized, aero-bladed 6Al-4V downtube

Engraved bottom-bracket shell

Beautifully sculpted dropouts

Artistically designed stainless steel seat collar

Cold-worked, dual-bend seatstays enhance lateral stiffness and vertical compliance

Curved chainstays for improved heel clearance

Custom frame design and sizes available

Frame finish/colors:

Bright Brushed

Dark Blue Metallic (PPG Ferrari Tour De France Met)

Silver Blue Metallic (PPG Ferrari Azurro California Met)

Dark Green Metallic (PPG Land Rover British Racing Green)

Bright Red (PPG Ferrari Rosso Corsa)

Pearl White (PPG Mercedes-Benz White Pearl Mica)

Black Metallic (PPG Ferrari Nero Daytona Met)

Palmarès (pal mar ees), -n. 1. a French word meaning honors, distinctions and awards. 2. a word often used to describe exceptional bike racing. 3. the revolutionary, super-light, super-strong, super-stiff Litespeed new for 2000. 4. the most sophisticated bike in the world that features five different geometrically enhanced tube shapes for a super-strong frame that flies.

#### COMPONENT SELECTIONS

Shimano Dura-Ace

Campagnolo Record

#### FORK OPTIONS

Time

Look

#### DIFFERENCES FROM VORTEX

Aero-bladed, 6Al-4V downtube

Cold-worked, ten-sided 6Al-4V seattube

Cold-worked, triangular 6Al-4V toptube



\*Bike shown with optional equipment





**BLUE RIDGE** (bloo rij), n., v., bluezing.

-n. 1. a region of the Appalachian Mountain range that attracts touring cyclists from all over the world. 2. a fast Litespeed century bike that is suitable for racing, yet with the addition of racks and panniers is a comfortable, high-performance touring bike. 3. a bicycle that lays to rest the notion that a good sport touring bike and century bike are two different breeds. -v.t. 4. made of lightweight 3Al-2.5V titanium to effortlessly flatten the biggest hills while enjoying your surroundings.

#### COMPONENT SELECTIONS

Shimano 105 Touring Triple  
Shimano Ultegra Touring Triple

#### FORK OPTION

Litespeed Chrome-Moly Touring

#### DIFFERENCES FROM STANDARD ROAD FRAME

More relaxed geometry	Greater tire clearance
Greater stability	Higher bottom bracket
Shorter toptube	Standard rack mounts

New cold-worked, geometrically enhanced 3Al-2.5V seamless titanium tubing ensures comfort, stiffness and durability

New oversized, teardrop shaped 3Al-2.5V downtube for added stiffness, precise handling and improved aerodynamics

New beautifully sculpted dropouts

Rack braze-ons

Clearance for triple chainrings

Clearance for 38mm tires or 32mm tires with fenders

Front and rear V-brake/cantilever brake mounts

Custom frame design and sizes available

Frame finish: Bright Brushed

\*Bike shown with optional equipment



# BLUE RIDGE



With low-rider, rack and fender eyelets as well as great tire clearance, this custom Litespeed touring fork is designed for loaded touring.





# APPALACHIAN



This custom Litespeed straight-bladed, cyclo-cross fork features sure steering and classic styling.





New cold-worked, geometrically enhanced 3Al-2.5V seamless titanium tubing ensures comfort, stiffness and durability

New oversized, teardrop-shaped 3Al-2.5V down-tube for added stiffness, precise handling and improved aerodynamics

New beautifully sculpted dropouts

Rack braze-ons

Clearance for triple chainrings

Clearance for 38mm tires or 32mm tires with fenders

Front and rear V-brake/cantilever brake mounts

Custom frame design and sizes available

Frame finish: Bright Brushed

APPALACHIAN (apə lā chən), n. 1. a mountainous region from North Georgia to West Virginia noted for its exceptional network of diverse riding possibilities, ranging from scenic byways to smooth single and double track. 2. a popular area for multiple terrain and cyclo-cross racing. 3. the Litespeed road/sport bike built for steady, reliable performance on the road and agile handling in rough off-road conditions. 4. a bicycle that combines all of Litespeed's titanium frame benefits with racing cyclo-cross component groups for epic on and off-road rides.

#### COMPONENT SELECTIONS

Shimano Ultegra Cyclo-Cross

#### FORK OPTION

Litespeed Cyclo-Cross straight-bladed chrome-moly

#### DIFFERENCES FROM BLUE RIDGE

Component group chosen



\*Bike shown with optional equipment





SABER (sā bər), n. 1. a French cavalry sword. 2. the reigning triathlon performance bike new for 2000. 3. the lightweight, comfortable, easy-handling Litespeed that other triathlon bikes wish they could be, from the steep seat angle to the aerodynamic tube shapes.

#### COMPONENT SELECTIONS

Shimano Ultegra Triathlon  
Shimano Dura-Ace Triathlon

#### FORK OPTIONS

Time  
Look

Cold-worked, geometrically enhanced aero-oval 3Al-2.5V titanium tubeset

1 1/8" oversized headtube for greater front end rigidity and a lighter frame/fork assembly

Oversized aero-bladed 3Al-2.5V downtube

Cold-worked aero-bladed/butted 3Al-2.5V seattube

650c wheels reduce wind drag

78-degree seattube for a fast, forward aerodynamic riding position

Welded-on front derailleur mount

Frame finish: Bright Brushed

\*Bike shown with optional equipment



# SABER



This 3Al-2.5V bladed down-tube increases aerodynamics and strength.





# BLADE

The new, aero-bladed 3Al-2.5V top-tube increases aerodynamics and lateral stiffness.





New super-light, geometrically enhanced, super-strong 3Al-2.5V/6Al-4V titanium tubeset blend

New 1 1/8" oversized headtube for greater front-end rigidity and a lighter frame/fork assembly

Oversized, aero-bladed 6Al-4V downtube

Cold-worked, aero-bladed 3Al-2.5V seattube

New cold-worked, aero-bladed 3Al-2.5V toptube

New engraved bottom-bracket shell

650c wheels reduce wind drag

78-degree seattube for a fast, forward aerodynamic riding position

New beautifully sculpted dropouts

New artistically designed stainless steel seat collar

New welded-on front derailleur mount

Custom frame design and sizes available

Frame finish: Bright Brushed

BLADE (blād), -n. 1. the cutting edge of speed.

2. the most aerodynamic production time-trial

bike in the world. 3. the Litespeed bike with it all—National titles, World titles, Olympic appearances, Iron-man victories and yellow jerseys from Tour de France stage victories.

#### COMPONENT SELECTIONS

Shimano Ultegra Triathlon

Shimano Dura-Ace Triathlon

#### FORK OPTIONS

Time

Look

#### DIFFERENCES FROM SABER

Aero-bladed 6Al-4V downtube

Oversized, aero-bladed 3Al-2.5V toptube

Headtube nosecone

Engraved bottom-bracket shell



\*Bike shown with optional equipment





TALIANI (taleē on eē), -n. 1. a Cherokee Indian phrase meaning group of two. 2. the phenomenally stiff, unbelievably lightweight and reassuringly stable Litespeed titanium tandem. 3. the tandem experience of a lifetime.

#### COMPONENT SELECTIONS

Shimano Ultegra Tandem Triple

#### FORK OPTIONS

Chrome-Moly tandem fork

#### STOCK SIZES AVAILABLE

Small (52"-49")  
Medium (56"-52")  
Large (58"-53")

Cold-worked, geometrically enhanced 3Al-2.5V/6Al-4V titanium tubeset blend

Massive 6Al-4V boomtube

Oversized, 2" biaxially ovalized 6Al-4V downtube

Oversized 1 1/8" headtube for greater rigidity

V-brake/cantilever brake bosses for greater stopping power

New artistically designed stainless steel seat collars

Custom frame design and sizes available

Frame finish: Bright Brushed

\*Bike shown with optional equipment



# TALIANI



The oversized, cold-worked 6Al-4V boomtube of the Taliani provides a stiff backbone for this incredibly lightweight tandem.









# M O U N T A I N

Endless single track.

Climbing.

Descending.

Twisting.

Turning.

All seamlessly orchestrated into one ride that you float through, effortlessly. It's the stuff that a mountain biker's dreams are made of—dreams now made reality by Litespeed. For the Year 2000 our all-new geometrically enhanced tube sets, combined with a stable geometry, allowed us to artfully create designs that are incomparably stiff, light, and nimble. It's no wonder that *Mountain Bike Magazine's* reader survey listed "any Litespeed" as the Number One named dream bike. And if dreaming isn't enough, *Outside* magazine, in their "Gear for the New Millennium" issue, named Litespeed the one bike with the biggest "drool factor." With unmatched strength, comfort, and agility, Litespeed mountain bikes are a cross country dream. (Here's hoping your dreams become reality!)





PISGAH (pis gä), n. 1. a national forest near Asheville, North Carolina. 2. an area known for its rough wilderness terrain. 3. a Litespeed mountain bike with geometrically enhanced 3Al-2.5V titanium tubing tough enough to cut through the most rugged terrain and still complement the beauty of its natural surroundings.

#### COMPONENT SELECTIONS

Shimano XT  
Shimano XTR

#### FORK OPTIONS

Rock Shox SID XC  
Rock Shox SID SL  
Rock Shox SID Race

Cold-worked, geometrically enhanced 3Al-2.5V seamless titanium tubing ensures comfort, stiffness and durability

Four-sided, super-strong 3Al-2.5V downtube adds stiffness to the ride

S-bend seatstays add stiffness and better braking modulation

Multi-plane, asymmetric chainstays add lateral stiffness, reduce chain slap, and increase crank-arm and tire clearance

Disc brake adaptable with optional bolt-on mount

Suspension-specific geometry

Frame finish: Bright Brushed

\*Bike shown with optional equipment



# PISGAH

The Pisgah's 3Al-2.5V four-sided  
downtube increases overall  
strength and stiffness at the  
headtube and bottom bracket.





# TOCCOA



This 3Al-2.5V triangular tapered/butted toptube stiffens the front-end of the Toccoa for sure tracking.





Cold-worked, geometrically enhanced 3Al-2.5V seamless titanium tubing ensures comfort, stiffness and durability

Four-sided, super-strong 3Al-2.5V downtube adds stiffness to the ride

Cold-worked, triangular 3Al-2.5V toptube

Cold-worked, ten-sided seat tube

S-bend seatstays add stiffness and better braking modulation

Multi-plane, asymmetric chainstays add lateral stiffness, reduce chain slap, and increase crank-arm and tire clearance

Disc brake adaptable with optional bolt-on mount

Suspension-specific geometry

Frame finish: Bright brushed

TOCCOA (tə cōə), n. 1. a beautiful North Georgia river walled by the steep, rocky forests of the Blue Ridge Mountains. 2. a magnificent river that continues to shape the destiny of the area. 3. the Litespeed mountain bike new for 2000 loaded with geometrically enhanced 3Al-2.5V titanium tubing that reshapes the perception of what a world class mountain bike is.

#### COMPONENT SELECTIONS

Shimano XT  
Shimano XTR

#### FORK OPTIONS

Rock Shox SID XC  
Rock Shox SID SL<sup>\*</sup>  
Rock Shox SID Race

#### DIFFERENCES FROM PISGAH

Ten-sided seat tube  
Triangular toptube  
More size options



\*Bike shown with optional equipment





**OWL HOLLOW** (oul hol' ō), n., v., hollowing. -n. 1. a deceptively sleepy cove in East Tennessee creased with steep, rocky ridges and wet, slippery hollows—a terrain as beautiful as it is foreboding. 2. the Litespeed mountain bike made with a tapered/butted 6Al-4V and 3Al-2.5V tubeset designed for riders who enjoy tempting fate by taking on any landscape that makes their hair stand on end. -v.t. 3. to put everything you've got a ride, emptying yourself of all mental and physical energy.

#### COMPONENT SELECTIONS

Shimano XT  
Shimano XTR

#### FORK OPTIONS

Rock Shox SID XC  
Rock Shox SID SL  
Rock Shox SID Race

#### DIFFERENCES FROM TOCCOA

3Al-2.5V/6Al-4V titanium tubeset blend  
Massive, 2" biaxially ovalized downtube

Cold-worked, tapered/butted, geometrically enhanced 3Al-2.5V/6Al-4V titanium tubeset blend for the ultimate in handling, acceleration and comfort

Massive, 2" biaxially ovalized downtube ensures an even stiffer ride

S-bend seatstays add stiffness and better braking modulation

Multi-plane, asymmetric chainstays add lateral stiffness, reduce chain slap, and increase crank-arm and tire clearance

New engraved bottom-bracket shell

New artistically designed stainless steel seat collar

New beautifully sculpted dropouts

New disc brake adaptable with optional bolt-on mount

Suspension-specific geometry

Custom frame design and sizes available

Frame finish: Bright Brushed

\*Bike shown with optional equipment



# OWL HOLLOW

Beautiful and strong, this newly designed stainless steel seat collar adds an artful touch to this great bicycle.





# TANASI

The ten-sided seat tube of the Tanasi is made of 6Al-4V titanium and geometrically enhanced for incredible strength, light weight, and rigidity.





Super-strong, super-light, geometrically enhanced 6Al-4V titanium tubeset—unbeatable for its strength and lightweight characteristics

Cold-worked, four-sided 6Al-4V downtube adds stiffness to the ride

Cold-worked, triangular 6Al-4V toptube

Cold-worked, ten-sided 6Al-4V seattube

S-bend seatstays add stiffness and better braking modulation

Artistically designed stainless steel seat collar

Beautifully sculpted dropouts

Multi-plane, asymmetric chainstays add lateral stiffness, reduce chain slap, and increase crank-arm and tire clearance

Engraved bottom-bracket shell

Disc brake adaptable with optional bolt-on mount

Suspension-specific geometry

Custom frame design and sizes available

Frame finish: Bright Brushed

TANASI (ta na sē), n., v., tanasing. -n. 1. from the Cherokee word for which Tennessee was named, home of Litespeed. 2. a new system of trails in Southeastern Tennessee near the Ocoee River. 3. a pure breed lightweight racing hardtail with extensive use of geometrically enhanced 6Al-4V tubing, new for the year 2000.

#### COMPONENT SELECTIONS

Shimano XT  
Shimano XTR

#### FORK OPTIONS

Rock Shox SID XC  
Rock Shox SID SL  
Rock Shox SID Race

#### DIFFERENCES FROM OWL HOLLOW

Lighter 6Al-4V titanium tubeset  
Triangular 6Al-4V toptube  
More geometrically enhanced tubing  
More comfortable ride



\*Bike shown with optional equipment





UNICOI (yü nə coi), n., v., unicoing. -n.

1. a beautiful state park in Northeast Georgia surrounded by miles of trails. 2. a low-maintenance, pivotless rear-suspension system offering about 1" of travel at the rear wheel. 3. the Litespeed that has been improved with a geometrically enhanced tubeset for even greater performance.

#### COMPONENT SELECTIONS

Shimano XT  
Shimano XTR

#### FORK OPTIONS

Rock Shox SID XC  
Rock Shox SID SL  
Rock Shox SID Race

New cold-worked, geometrically enhanced 3Al-2.5V titanium tubeset

New cold-worked, four-sided 3Al-2.5V downtube for added stiffness

New cold-worked, ten-sided 3Al-2.5V seattube

S-bend seatstays add stiffness and better braking modulation

New multi-plane, assymetric chainstays add lateral stiffness, reduce chain slap, and increase crank-arm and tire clearance

New disc brake adaptable with optional bolt-on mount

Suspension-specific geometry

Frame finish: Bright Brushed

\*Bike shown with optional equipment



# UNICOI

The sleek, new rear shock assembly of the Unicoi enhances the appearance of this remarkable soft-tail.





# TSALI

Now featured on all mountain bikes, this newly designed dropout allows for a removable CNC machined disc-brake mount.





New cold-worked, tapered/butted, geometrically enhanced 3Al-2.5V and super-strong 6Al-4V titanium tubeset blend for the ultimate in handling, acceleration and comfort

Massive, 2" biaxially ovalized 6Al-4V downtube for an even stiffer ride

New cold-worked, ten-sided 3Al-2.5V seattube

S-bend seatstays add stiffness and better braking modulation

New artistically designed stainless steel seat collar

New beautifully sculpted dropouts

New multi-plane, asymmetric chainstays add lateral stiffness, reduce chain slap, and increase crank-arm and tire clearance

New engraved bottom-bracket shell

New disc brake adaptable with optional bolt-on mount

Suspension-specific geometry

Custom frame design and sizes available

Frame finish: Bright Brushed

TSALI (sál ēē), n. 1. a legendary western North Carolina trail network. 2. the Litespeed mountain bike inspired by Tsali's fast and exciting single track. 3. the next level in Litespeed single-coil, rear-suspension technology built with geometrically enhanced 6Al-4V/3Al-2.5V tubeset for maximum performance.

#### COMPONENT SELECTIONS

Shimano XT

Shimano XTR

#### FORK OPTIONS

Rock Shox SID XC

Rock Shox SID SL

Rock Shox SID Race

#### DIFFERENCES FROM UNICOI

3Al-2.5V/6Al-4V titanium tubeset blend

Massive, 2" biaxially ovalized downtube

Titanium nitride coated titanium stanchion

Engraved bottom bracket and dropouts



\*Bike shown with optional equipment



# APPAREL

## A) SHORT SLEEVE PRO FIT™

Jersey by Giordana®, TVX™, Tactel® by DuPont® high wicking fibers. Red with Blue

Sizes: S, M, L, XL, XXL  
\$ 72

## B) PRO FIT™ SHORTS by

Giordana®, Sumatra® nylon spandex, DuPont® Antibacterial™ insert. Red with Blue

Sizes: S, M, L, XL, XXL  
\$ 67

## C) SOCKS by DeFEET®,

CoolMax® by DuPont® Stayfast cuff, mesh weave upper. White or Grey

Sizes: S, M, L, XL  
\$ 12

## D) LITESPEED SINGLET by

Disciplines, CoolMax® by DuPont.® White

Sizes: S, M, L, XL  
\$ 25

## E) LITESPEED WATERBOTTLE

Widemouth, 16oz, Clear  
\$ 6

## F) LITESPEED POLO SHIRT

100% cotton pique, embroidered. Navy Blue, Pale Yellow, Hunter Green

Sizes: S, M, L, XL  
\$ 35

## G) LITESPEED T-SHIRT

100% cotton, Navy Blue  
Sizes: S, M, L, XL

\$ 15

## H) LITESPEED BALLCAP

Navy Blue, embroidered. One size fits all, adjustable

\$ 15



Size Chart for Pro-fit™ jerseys

USA	SM	MED	LG	XL	XXL
Chest	34-35	36-37	38-40	41-43	44-46

Size Chart for Pro-fit™ shorts

USA	SM	MED	LG	XL	XXL
Waist	27-28	29-30	31-32	33-34	35-36



# ACCESSORIES



I) TITANIUM MOUNTAIN handlebar  
3Al-2.5V cold-worked, seamless bulge design  
23 1/4" length, 3 degree bend  
Weight: 160 g  
Finish: Brushed \$ 95

J) ALUMINUM MOUNTAIN handlebar  
2014 double butted, laser etched  
23 1/4" length, 3 degree bend  
Weight: 155 g  
Finish: Black \$ 30

K) TITANIUM MOUNTAIN threadless stem  
3Al-2.5V cold-worked, removable face plate  
5 degree rise, 1 1/8"  
Sizes: 120, 135  
Weight: 180 g  
Finish: Brushed \$ 255

L) TITANIUM MOUNTAIN seat post  
3Al-2.5V cold-worked  
Size: 330mm length, 27.2mm diameter  
Weight: 198 g  
Finish: Brushed \$ 120

M) TITANIUM ROAD seat post  
3Al-2.5V cold-worked  
Size: 230mm length, 27.2mm diameter  
Weight: 167  
Finish: Brushed \$ 110  
Polished \$ 120

N) TITANIUM ROAD quill stem  
3Al-2.5V cold-worked  
- 14 degree rise, 1"  
Sizes: 90, 100, 110, 120, 130  
Weight: average 190 g  
Finish: Brushed \$ 235  
Polished \$ 250

O) TITANIUM ROAD threadless stem  
3Al-2.5V cold-worked  
- 14 degree or 0 degree rise, 1" or 1 1/8"  
Sizes: 90, 100, 110, 120, 130  
Weight: average 150 g  
Finish: Brushed \$ 235  
Polished \$ 245

P) BARTAPE by Off The Front  
Neoprene, washable, reusable, durable  
Blue, Black, Yellow \$ 14

Q) LITESPEED APRON  
Navy Blue, 2 pockets  
One size \$ 15

You can order apparel and accessories direct from Litespeed by calling 423.238.5530 or by checking our website at [www.litespeed.com](http://www.litespeed.com).

\*Prices are subject to change. For current prices please contact us.



# COMPONENTRY

## ROAD RACING

### Shimano Dura Ace® 7700

Rear derailleur	Dura Ace 7700 9-speed
Front derailleur	Dura Ace 7700
Headset	Chris King
Bottom bracket	Dura Ace 7700
Crankset	Dura Ace 7700
Brake caliper	Dura Ace 7700
STI levers	Dura Ace 7700
Cassette	Dura Ace 7700 9-speed
Chain	Dura Ace 7700
Wheelset	Dura Ace/Mavic Open Pro 32H
Spokes	Wheelsmith XL14
Spoke nipples	Alloy
Build quality	Wheelsmith Gold
Bar	TTT Forma 2
Stem	Control Tech
Seat post	Litespeed
Saddle	Fizik Pavé Ti
Tape	Litespeed Blue/Black/Yellow
Tires	Michelin Axial Pro 700 x 23

### Campagnolo Record

Rear derailleur	Record 9-Speed
Front derailleur	Record
Headset	Record
Bottom bracket	Record
Crankset	Record
Brake caliper	Record
Ergo levers	Record
Cassette	Record 9-speed
Chain	Record
Wheelset	Record/Mavic Open Pro 32H
Spokes	Wheelsmith XL14
Spoke nipples	Alloy
Build quality	Gold
Bar	TTT Forma 2 Ergopower
Stem	Control Tech
Seat post	Litespeed
Saddle	Fizik Pavé Ti
Tape	Litespeed Blue/Black/Yellow
Tires	Michelin Axial Pro 700 x 23

### Campagnolo Chorus

Rear derailleur	Chorus 9-Speed
Front derailleur	Chorus
Headset	Cane Creek C-2 Aheadset®
Bottom bracket	Chorus
Crankset	Chorus
Brake caliper	Chorus
Ergo levers	Chorus
Cassette	Chorus 9-speed
Chain	Record
Wheelset	Chorus/Mavic Open Pro 32H
Spokes	Wheelsmith XL14
Spoke nipples	Alloy
Build quality	Gold
Bar	TTT Forma 2 Ergopower
Stem	Control Tech
Seat post	Litespeed
Saddle	Fizik Pavé Ti
Tape	Litespeed Blue/Black/Yellow
Tires	Michelin Axial Pro 700 x 23

## ROAD RACING

### Shimano Ultegra® 6500

Rear derailleur	Ultegra 6500 SS 9-speed
Front derailleur	Ultegra 6500
Headset	Cane Creek C-2 Aheadset®
Bottom bracket	Ultegra 6500
Crankset	Ultegra
Brake caliper	Ultegra 6500
STI levers	Ultegra 6500
Cassette	Ultegra 6500
Chain	Ultegra 6500
Wheelset	Ultegra/Mavic Open Pro 32H
Spokes	Wheelsmith 14/15G
Spoke nipples	Alloy
Build quality	Gold
Bar	TTT Forma 2
Stem	Control Tech
Seat post	American Classic
Saddle	Fizik Pavé Ti
Tape	Litespeed Blue/Black/Yellow
Tires	Michelin Axial Pro 700 x 23

### Shimano 105 5500

Rear derailleur	105 5500 SS 9-speed
Front derailleur	105 5500
Headset	105 5500
Bottom bracket	105 5500
Crankset	105 5500
Brake caliper	105 5500
STI levers	105 5500 Flight Deck compatible
Cassette	105 5500
Chain	105 5500
Wheelset	105/Mavic CXP-21 32H
Spokes	Wheelsmith 14/15
Spoke nipples	Brass
Build quality	Silver
Bar	TTT Forma 2
Stem	TTT Synthesis
Seat post	American Classic
Saddle	Fizik Pavé CroMo
Tape	Litespeed Blue/Black/Yellow
Tires	IRC Paperlite Plus 700 x 23

### Shimano Ultegra® Road Triple

Rear derailleur	Ultegra 6500 GS
Front derailleur	Ultegra 6503
Headset	Ultegra 6500
Bottom bracket	Ultegra 6500
Crankset	Ultegra 6500
Brake caliper	Ultegra 6500
STI levers	Ultegra 6500
Cassette	Ultegra 6500
Chain	Ultegra 6500
Wheelset	Ultegra/Mavic Open Pro
Spokes	Wheelsmith 14/15G
Spoke nipples	Alloy
Build quality	Gold
Bar	TTT Forma 2
Stem	TTT Synthesis
Seat post	American Classic
Saddle	Fizik Pavé Ti
Tape	Litespeed Blue/Black/Yellow
Tires	Michelin Axial Pro 700 x 23

## ROAD/SPORT TOURING

### Shimano® 105 5500 Triple

Rear derailleur	105 5500 GS 9-speed
Front derailleur	105 5500 Triple
Headset	105 5500
Bottom bracket	105 5500 triple
Crankset	105 5500
Brake caliper	105 5500
STI levers	105 5500 Flight Deck compatible
Cassette	105 5500
Chain	105 5500
Wheelset	105/Mavic CXPP-21 32H
Bar	TTT Forma 2
Spokes	Wheelsmith 14/15
Spoke nipples	Brass
Build quality	Silver
Stem	TTT Synthesis
Seat post	American Classic
Saddle	Fizik Pavé Chromo
Tape	Litespeed Blue/Black/Yellow
Tires	IRC Paperlite Plus K 700 x 23

### Shimano Ultegra® Touring Triple

Rear derailleur	Ultegra 6500 GS 9-speed
Front derailleur	Ultegra 6503
Headset	Cane Creek C-2 Aheadset®
Bottom bracket	Ultegra 6500
Crankset	Ultegra 6500 Triple
Brake caliper	XT V-Brake
STI levers	Ultegra 6500
Cassette	Ultegra 6500
Chain	Ultegra 6500
Wheelset	Ultegra/Mavic Open Pro
Spokes	Wheelsmith 14/15G
Spoke nipples	Alloy
Build quality	Gold
Bar	TTT Forma 2
Stem	Control Tech
Seat post	American Classic
Saddle	Fizik Pavé Ti
Tape	Litespeed Blue/Black/Yellow
Tires	IRC Tandem 700x30

## CYCLO-CROSS

### Shimano Ultegra® 6500

Rear derailleur	Ultegra 6500 SS 9-speed
Front derailleur	Ultegra 6500
Headset	Cane Creek C-2 Aheadset®
Bottom bracket	Shimano UN 52 68 x 107
Crankarms/Spyder	Cook Bros. E Crank
Chainrings	Stronglight 48/36
Chainring bolts	SRP alloy
Crankarm bolts	SRP alloy
Brake caliper	XT V-Brake
STI levers	Ultegra 6500
Cassette	Ultegra 6500
Chain	Ultegra 6500
Wheelset	Ultegra/Mavic Open Pro
Bar	TTT Forma 2
Spokes	Wheelsmith 14/15G
Spoke nipples	Alloy
Build quality	Gold
Stem	Control Tech
Seat post	American Classic
Saddle	Fizik Pavé Ti
Tape	Litespeed Blue/Black/Yellow
Tires	IRC V-Cross 700 x 38

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Aheadset® is a registered trademark of Cane Creek Components. All rights reserved.



## TRIATHLON/TIME TRIAL

### Shimano Ultegra® 6500 Triathlon

Rear derailleur	Ultegra 6500 SS 9-speed
Front derailleur	Ultegra 6500
Bar end control	Dura Ace 7700
Cassette	Ultegra 6500
Chain	Ultegra 6500
Headset	Cane Creek C-2 Aheadset®
Bottom Bracket	Ultegra 6500
Crankset	Ultegra 6500
Brake caliper	Shimano BL-R 600
Brake levers	Ultegra 6403
Wheelset	Ultegra/Velocity Deep V
Spokes	Wheelsmith 14/15
Spoke nipples	Alloy
Build quality	Gold
Bar	Syntace Stratos
Clip-on	Syntace C2
Stem	Control Tech
Seat post	Control Tech
Saddle	Fizik Pavé Ti
Tape	None
Tires	Michelin Axial Pro 650 x 20

### Shimano Dura Ace® 7700 Triathlon

Rear derailleur	Dura Ace 7700 9 speed
Front derailleur	Dura Ace 7700
Bar end control	Dura Ace 7700
Cassette	Dura Ace 7700
Chain	Dura Ace 7700
Headset	Chris King
Bottom Bracket	Dura Ace 7700
Crankset	Dura Ace 7700
Brake caliper	Shimano BL-R 600
Brake levers	Dura Ace 7402
Wheelset	Dura Ace Velocity Deep V 32H
Spokes	Wheelsmith 14/15
Spoke nipples	Alloy
Build quality	Gold
Bar	Syntace Stratos
Clip-on	Syntace C2
Stem	Control Tech
Seat post	Litespeed
Saddle	Fizik Pavé Ti
Tape	Litespeed Blue/Black/Yellow
Tires	Michelin Axial Pro 650 x 20

## ROAD/TANDEM

### Shimano Ultegra® Tandem Triple

Rear derailleur	Ultegra 6500 GS 9-speed
Front derailleur	Ultegra 6503
Headset	Chris King
Bottom bracket(2)	Shimano 6500 118.5
Tandem Crankset	Shimano Tandem 6503
Brake caliper	XT V-Brake
STI levers	Ultegra 6500
Cassette	Ultegra 6500
Skewers	Salsa 145MM Quick Release
Chain (3)	Ultegra 6500
Wheelset	Hope Tandem/Mavic T217 40H
Spokes	Wheelsmith 14/15
Spoke nipples	Brass
Build quality	Gold
Bar-Captain	TTT Forma 2
Bar-Stoker	Syntace Stratos 400
Stem - Captain	Control Tech
Stem - Stoker	Control Tech (adjustable)
Seat post(2)	American Classic
Saddle(2)	Fizik Pavé Ti
Tape	Litespeed Blue/Black/Yellow
Tires	IRC Tandem 700 x 30

## MOUNTAIN

### Shimano® XT

Rear derailleur	XT 9-speed SGS
Front derailleur	XT
Headset	Cane Creek C-2 Aheadset®
Bottom bracket	BB-UN72
Crankset	XT
Brake caliper	XT
Rapid fire lever	XT
Cassette	XT 9-speed
Chain	CN-HG92
Wheelset	XT/Mavic X517 32H
Stem	Control Tech
Spokes	Wheelsmith 14/154
Spoke nipples	Alloy
Build quality	Gold
Bar	Litespeed Aluminum
Seat post	Control Tech
Saddle	Fizik Nisene Ti
Grips	Pedro's Slimwall
Tires	IRC Mythros Kevlar Rust Wall

### Shimano® XTR

Rear derailleur	XTR 9-speed SGS 952 Conventional
Front derailleur	XTR
Headset	Chris King
Bottom bracket	1XTR 112.5 x 68
Crankset	XTR
Brake caliper	XTR V-Brake
Rapid fire lever	XTR
Cassette	XTR M952 12-34 Ti
Chain	HG 90
Wheelset	XTR/Mavic X517 32H
Stem	Control Tech
Spokes	Wheelsmith XL14
Spoke nipples	Alloy
Build quality	Gold
Bar	Litespeed Aluminum
Seat post	Control Tech
Saddle	Fizik Nisene Ti
Grips	Pedro's Slimwall
Tires	IRC Mythros Kevlar Rust Wall

## FORK OPTIONS

### Mountain Bikes

- SID XC 63mm—provides 2.5 inches of travel
- SID SL 63mm—provides 2.5 inches of travel
- SID Race 63mm—provides 2.5 inches of travel

### Road Bikes

- Look
- Time
- Chrome-Moly straight bladed Cyclo-cross fork
- Litespeed Chrome-Moly Touring Fork

\* Specifications are subject to change and other options may be available.



# GEOMETRY

All of our road frames are measured in centimeters, all mountain frames are measured in inches. We measure all of our road and mountain frames in the center-to-top format, which is from the center of the bottom bracket shell to the point where the center line of the seat tube intersects with the top side of the top tube (except for the Blade and the Saber, which are measured from the center of the bottom bracket shell to the top of the seat tube). The top tube on all our bikes is measured from the intersection of the center line of the top tube and the center line of the seat tube, measured parallel to ground to the intersection with the steering axis center line. (Blade and Saber top tube are measured parallel to ground from center of the top of seat tube to intersection with steering axis center line). Frame geometry is based on the following fork lengths measured from the axle center to the crown race seat (plus a lower stack height of 12mm): 650c road/time trial frames: 341mm fork, 700c road frames: 369mm fork, 700c cyclo-cross & touring frames: 400mm fork, 700c tandem frame: 388mm fork, 26" mountain frames: 434mm suspension fork at 20mm compression. Standover height is measured static.

All our bikes utilize a 27.2mm seat post and a 68mm English threaded bottom bracket. All of our mountain and road bikes utilize a 1 1/8" steerer except for Arenberg, Classic, Blue Ridge and Appalachian, they feature a 1" steerer. The following front derailleurs are needed for the following models: all mountain bikes (1 3/8" top pull), Arenberg (1 1/4" bottom pull), Tuscany, Vortex, Palmarès, Taliani, Blue Ridge and Appalachian (1 3/8" bottom pull), Classic, Ultimate, Saber and Blade (braze-on bottom pull).

## ROAD FRAME GEOMETRY - 2000

Model	Size	Top Tube	Head <	Seat <	Chainstay	BBKT Height	Wheelbase	Front Center	Fork Rake	Stand Over	Head Tube	Frame Weight	Wheel Size
ARENBERG													
49	51	72	74	41.1	26.9	95.9	55.8	4.5	74.6	9.2	3.1	700c	
51	52.5	72.5	74	41.1	26.9	97	56.8	4.5	76	9.2	3.16	700c	
53	54	73	74	41.1	26.6	98	58	4.5	77.6	10.5	3.23	700c	
55	55.5	73	73	41.1	26.6	98	57.9	4	79.2	12	3.3	700c	
57	56.5	73	73	41.1	26.6	99	58.9	4	81.1	14	3.38	700c	
59	57.5	73	73	41.1	26.3	99.9	59.9	4	82.7	15.7	3.45	700c	
61	59	73	72.5	41.7	26.3	101.5	60.9	4	84.5	17.6	3.54	700c	
TUSCANY													
47	50.5	72	74.5	39.3	26.6	93.9	55.1	3.5	71.9	10.1	3.1	650c	
49	51	72	74	40.6	26.9	95.4	55.8	4.5	74.6	9.2	3.19	700c	
51	52.5	72.5	74	40.6	26.9	96.5	56.8	4.5	76	9.2	3.25	700c	
53	54	73	74	40.6	26.6	97.5	58	4.5	77.6	10.5	3.33	700c	
55	55.5	73	73	40.6	26.6	97.5	57.9	4	79.2	12	3.41	700c	
57	56.5	73	73	40.6	26.6	98.5	58.9	4	81.1	14	3.49	700c	
59	57.5	73	73	40.6	26.3	99.4	59.9	4	82.7	15.7	3.58	700c	
61	59	73	72.5	41.1	26.3	100.9	60.9	4	84.5	17.6	3.67	700c	
CLASSIC													
49	51	72	74	41.3	26.9	96.1	55.8	4.5	74.6	9.2	3.13	700c	
51	52.5	72.5	74	41.3	26.9	97.2	56.8	4.5	76	9.2	3.18	700c	
53	54	73	74	41.3	26.6	98.2	58	4.5	77.6	10.5	3.26	700c	
55	55.5	73	73	41.3	26.6	98.2	57.9	4	79.2	12	3.33	700c	
57	56.5	73	73	41.3	26.6	99.2	58.9	4	81.1	14	3.41	700c	
59	57.5	73	73	41.3	26.3	100.1	59.9	4	82.7	15.7	3.48	700c	
61	59	73	72.5	41.7	26.3	101.5	60.9	4	84.5	17.6	3.57	700c	
63	61	73	72	41.7	26.3	102.8	62.2	4	86.2	19.4	3.65	700c	
ULTIMATE													
49	51	72	74.5	39.3	26.9	94.5	56.2	4.5	75	10.1	3.4	700c	
51	52.5	72.5	74	39.3	26.9	95.2	56.8	4.5	76.4	10.1	3.47	700c	
53	54	73	73	39.3	26.9	95.3	57	4.5	77.9	10.9	3.54	700c	
54	54.75	73	73	39.3	26.9	96.1	57.8	4.5	78.8	11.9	3.6	700c	
55	55.5	73	73	39.3	26.9	96.3	58	4	79.7	12.8	3.65	700c	
56	56	73	73	39.3	26.9	96.8	58.5	4	80.7	13.8	3.7	700c	
57	56.5	73	73	39.3	26.9	97.3	59	4	81.7	14.8	3.75	700c	
58	57	73	73	39.3	26.9	97.8	59.5	4	82.6	15.8	3.8	700c	
59	57.5	73	73	39.3	26.9	98.3	60	4	83.6	16.8	3.85	700c	
61	59	73	73	39.3	26.9	99.9	61.5	4	85.6	18.8	3.95	700c	
63	61	73	73	40.6	26.9	103.2	63.5	4	87.4	20.8	4.08	700c	
VORTEX													
49	51	72	74	40.6	26.9	95.4	55.8	4.5	74.6	9.2	2.84	700c	
51	52.5	72.5	74	40.6	26.9	96.5	56.8	4.5	76	9.2	2.87	700c	
53	54	73	74	40.6	26.6	97.5	58	4.5	77.6	10.5	2.94	700c	
55	55.5	73	73	40.6	26.6	97.5	57.9	4	79.2	12	3.02	700c	
57	56.5	73	73	40.6	26.6	98.5	58.9	4	81.1	14	3.09	700c	
59	57.5	73	73	40.6	26.3	99.4	59.9	4	82.7	15.7	3.17	700c	
61	59	73	72.5	41.1	26.3	100.9	60.9	4	84.5	17.6	3.26	700c	
PALMARÈS													
49	51	72	74	40.6	26.9	95.4	55.8	4.5	74.6	9.2	3.04	700c	
51	52.5	72.5	74	40.6	26.9	96.5	56.8	4.5	76.0	9.2	3.08	700c	
53	54	73	74	40.6	26.6	97.5	58	4.5	77.6	10.5	3.16	700c	
55	55.5	73	73	40.6	26.6	97.5	57.9	4	79.2	12	3.23	700c	
57	56.5	73	73	40.6	26.6	98.5	58.9	4	81.1	14	3.31	700c	
59	57.5	73	73	40.6	26.3	99.4	59.9	4	82.7	15.7	3.39	700c	
61	59	73	72.5	41.1	26.3	100.9	60.9	4	84.5	17.6	3.48	700c	
BLUE RIDGE (w/ 700 x 28c)													
49	50.5	71	74	42.5	27.1	98.2	56.7	5.2	75.6	9.2	3.35	700c	
51	52	71	73.5	42.5	27.1	99.3	57.9	5.2	76.9	9.2	3.4	700c	
53	53.5	71.5	73.3	42.5	27.1	100.3	58.8	5.2	78.3	9.2	3.46	700c	
55	55	71.5	73	42.5	27.1	101.6	60	5.2	79.7	9.6	3.52	700c	
57	56	72	72.8	42.5	27.1	101.9	60.4	5.2	81.5	11.3	3.59	700c	
59	57	72	72.5	42.5	27.1	102.7	61.2	5.2	83.4	13.3	3.67	700c	
61	58.5	72	72.3	42.5	27.1	104	62.5	5.2	85.2	15.2	3.76	700c	
63	60.5	72.5	72	42.5	27.1	105.1	63.5	5.2	87	16.8	3.85	700c	



Model	Size	Top Tube	Head <	Seat <	Chainstay	BBKT Height	Wheelbase	Front Center	Fork Rake	Stand Over	Head Tube	Frame Weight	Wheel Size
APPALACHAIN (w/ 700 x 38c)													
	49	50.5	71	74	42.5	27.9	97.4	55.9	4.4	76.4	9.2	3.35	700c
	51	52	71	73.5	42.5	27.9	98.5	57	4.4	77.7	9.2	3.4	700c
	53	53.5	71.5	73.3	42.5	27.9	99.5	58	4.4	79.1	9.2	3.46	700c
	55	55	71.5	73	42.5	27.9	100.7	59.2	4.4	80.5	9.6	3.52	700c
	57	56	72	72.8	42.5	27.9	101.1	59.6	4.4	82.3	11.4	3.6	700c
	59	57	72	72.5	42.5	27.9	101.9	60.3	4.4	84.2	13.3	3.67	700c
	61	58.5	72	72.3	42.5	27.9	103.2	61.6	4.4	86	15.2	3.76	700c
	63	60.5	72.5	72	42.5	27.9	104.2	62.7	4.4	87.8	16.9	3.85	700c
SABER													
	47	49.5	72	78	39.3	27	96.1	57.1	3.5	71	9.2	3.09	650c
	49	50	72	78	39.3	27	96.8	57.9	3.5	71.8	9.8	3.13	650c
	51	51.5	72.5	78	39.3	27	98.1	59.1	3.5	73.8	11.6	3.22	650c
	53	53	73	78	39.3	27	99.3	60.4	3.5	75.7	13.5	3.32	650c
	55	55	73.5	78	39.3	27	101.1	62.1	3.5	77.6	15.4	3.43	650c
	57	56.5	73.5	77	39.3	27	101.7	62.7	3.5	79.5	17.2	3.54	650c
	59	57.5	73.5	76	39.3	27	101.7	62.8	3.5	81.2	19	3.62	650c
	61	59.5	73	76	40.6	27	105	65.3	4	82.9	15.9	3.62	700c
BLADE													
	49	50	72	78	39.3	27	96.8	57.9	3.5	71.8	9.8	3.42	650c
	51	51.5	72.5	78	39.3	27	98.1	59.1	3.5	73.8	11.6	3.53	650c
	53	53	73	78	39.3	27	99.3	60.4	3.5	75.7	13.5	3.65	650c
	55	55	73.5	78	39.3	27	101.1	62.1	3.5	77.6	15.4	3.77	650c
	57	56.5	73.5	77	39.3	27	101.7	62.7	3.5	79.5	17.2	3.9	650c
	59	57.5	73.5	76	39.3	27	101.7	62.8	3.5	81.2	19	4	650c
	61	59.5	73	76	40.6	27	105	65.3	4	82.9	15.9	3.97	700c

## TANDEM FRAME GEOMETRY - 2000

Model	Front Size	Rear Size	Front Top Tube	Rear Top Tube	Head <	Front Seat <	Rear Seat <	Chainstay	Front BBKT Height	Rear BBKT Height	Wheelbase	Front Center	Boom Length	Fork Rake	Front Stand Over	Rear Stand Over	Head Tube	Frame Weight	Wheel Size
TALIANI																			
	52	49	53	67.6	73	73.5	73.8	45.1	26.8	26.8	169.2	56.4	68.7	5	77.3	74.5	10	8.4	700c
	56	52	56	70.6	73	73	73.8	45.1	26.8	28.7	175.8	58.9	72.4	5	80.8	79	13	8.8	700c
	58	53	57	72.9	73	73	73.8	45.1	26.8	28.7	178.9	59.4	75.1	5	81.7	80	14	9.0	700c

## MOUNTAIN FRAME GEOMETRY - 2000

Model	Size	Top Tube	Head <	Seat <	Chainstay	BBKT Height	Wheelbase	Front Center	Fork Rake	Stand Over	Head Tube	Frame Weight
PISGAH												
	14	21	71	73	16.93	11.75	39.6	22.8	1.65	27.2	4.2	3.29
	16.5	22	71.5	72.5	16.93	11.75	40.3	23.8	1.65	29	4.2	3.42
	18	22.75	71.5	72.5	16.93	11.75	41.1	24.4	1.65	30.3	4.4	3.53
	19.5	23.5	71.5	72.5	16.93	11.75	41.8	25.2	1.65	31.3	5.1	3.67
TOCCOA												
	12	21	71	73	16.93	11.75	39.6	22.8	1.65	25.6	4.2	3.43
	14	21	71	73	16.93	11.75	39.6	22.8	1.65	27.2	4.2	3.42
	16	21.75	71	73	16.93	11.75	40.2	23.5	1.65	28.7	4.2	3.52
	17	22.25	71.5	72.5	16.93	11.75	40.6	23.8	1.65	29.6	4.2	3.59
	18	22.75	71.5	72.5	16.93	11.75	41.1	24.4	1.65	30.3	4.4	3.65
	19	23.25	71.5	72.5	16.93	11.75	41.5	24.8	1.65	31	5	3.75
	20	23.75	71.5	72.5	16.93	11.75	42.1	25.4	1.65	31.8	5.6	3.84
OWL HOLLOW												
	14	21	71	73	16.93	11.75	39.6	22.8	1.65	27.2	4.6	3.63
	16	21.75	71	73	16.93	11.75	40.2	23.5	1.65	28.7	4.6	3.74
	17	22.25	71.5	72.5	16.93	11.75	40.6	23.8	1.65	29.6	5	3.82
	18	22.75	71.5	72.5	16.93	11.75	41.1	24.4	1.65	30.3	5	3.9
	19	23.25	71.5	72.5	16.93	11.75	41.5	24.8	1.65	31	5	3.97
	20	23.75	71.5	72.5	16.93	11.75	42.1	25.4	1.65	31.8	5.6	4.07
	22	24.75	71.5	72	16.93	11.75	42.8	26.1	1.65	33.4	6.2	4.23
TANASI												
	14	21	71	73	16.93	11.75	39.6	22.8	1.65	27.2	4.2	2.96
	16	21.75	71	73	16.93	11.75	40.2	23.5	1.65	28.7	4.2	3.04
	17	22.25	71.5	72.5	16.93	11.75	40.6	23.8	1.65	29.6	4.2	3.09
	18	22.75	71.5	72.5	16.93	11.75	41.1	24.4	1.65	30.3	4.4	3.15
	19	23.25	71.5	72.5	16.93	11.75	41.5	24.8	1.65	31	5	3.24
	20	23.75	71.5	72.5	16.93	11.75	42.1	25.4	1.65	31.8	5.6	3.34
UNICOI												
	14	21	71	73	16.93	11.75	39.6	22.8	1.65	27.2	4.2	4.06
	16.5	22	71.5	72.5	16.93	11.75	40.3	23.8	1.65	29	4.2	4.05
	18	22.75	71.5	72.5	16.93	11.75	41.1	24.4	1.65	30.3	4.4	4.12
	19.5	23.5	71.5	72.5	16.93	11.75	41.8	25.2	1.65	31.3	5.1	4.3
TSALI												
	14	21	71	73	16.93	11.75	39.6	22.8	1.65	27.2	4.6	4.32
	16.5	22	71.5	72.5	16.93	11.75	40.3	23.8	1.65	29	4.6	4.32
	18	22.75	71.5	72.5	16.93	11.75	41.1	24.4	1.65	30.3	5	4.41
	19.5	23.5	71.5	72.5	16.93	11.75	41.8	25.2	1.65	31.3	5.1	4.59
	21	24.25	71.5	72	16.93	11.75	42.4	25.8	1.65	32.6	5.9	4.77



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