It's been 10 years since Trek first started crafting bicycles. And from the beginning, it was clear to serious cyclists that something a little unusual was going on in rural Waterloo, Wisconsin.

While everyone else continued to design bikes in the traditional ways, Trek was building their reputation on a series of more innovative Function Specific™ machines. More than just works of technical artistry, these Treks represented fresh solutions as well.

Trek simply realized that to make a bicycle perform better, you need more than just exotic raw materials. You need to pioneer whole new methods of framebuilding, as well.

BACK TO THE FUTURE.

In the quest to increase performance through decreasing weight, steel alloys have long been the bicycle tubing of choice. Some aluminum designs are relics of the 1940's.

Carbon fiber made its debut almost a decade ago. In 1987, however, the inherent strengths of these materials live up to their fullest potential when placed in the hands of Trek engineers.

A NEW LEVEL OF DESIGN SOPHISTICATION.

Trek engineers addressed these advanced materials using computer-aided designs utilizing complex "finite element analysis" software. This process enabled Trek to measure individual and interrelated stress points throughout the frameset to match its performance profile with that of the specified materials and assembly techniques.

BUILT FOR SPEED. VERY SLOWLY.

To start, Trek bicycles are assembled using a costly set of investment-cast lugs, shells, and dropouts. Far more precise than other methods of
building, these castings ensure that every Trek frame will be stiffer, stronger, and aligned to perfection.

In our Reynolds 531 bicycles, double-butted seamless tubing cleanly fits into Trek's patented investment-cast fittings, which are then silver-brazed into a rigidly unitized geometry using a new method of computer-controlled, magnetically-induced pinpoint heating. Unshakable accuracy is provided by a multi-axis robotic arm, resulting in a finished frame that exceeds the consistency and quality of the finest custom builders.

No master framebuilder has a steadier hand. Trek's unique robotic brazing system offers unshakable accuracy in the building of our frames.

THE ALUMINUM AND COMPOSITE CONNECTION.

In Trek's most advanced machines, internal investment-castings are the foundation around which either midsize Trek TX or Trek Matrix aluminum or carbon-fiber tubing is bonded. The aerospace adhesives used create a joint stronger than the frame itself. So strong, that these smooth, eye-pleasing frames were designed to meet or exceed the torsional standards set by Reynolds 531 racing bikes, at a weight savings of up to 35%.

Computer simulation of frame tension was used to position each layer of fibers inside Trek's own midsize carbon-fiber tubing.

PERFORMANCE WITH A SENSE OF PROPORTION.

The actual feel of a Trek is "tuned in" by the use of varying diameters of tubing, resulting in a ride that combines previously unheard of levels of lateral stiffness and in-plane shock damping.

Trek's 25% greater-diameter tubing defines the optimum degree of strength, stiffness, and comfort.

This is particularly important in our superlight aluminum and carbon-fiber composite frames, where previous attempts have often led to a bone-jarring or overly flexible ride.
Every individual frame size is also designed to provide optimal fit and performance for individual riders of varying sizes.

The result: Leading bicycling publications have called these machines "...the best all-around bikes we've tested."

"Trek delivers superior handling, response and comfort for climbing, quick acceleration, and out-of-the-saddle efforts."

Trek puts stiffness in its place. Increasing rigidity in the lateral axis for efficiency, while actually reducing in-plane shock to the rider.

A FITTING FINISH.

After an exhausting series of finishing steps and a final lustrous coat of durable polyurethane enamel, the frame is ready for componentry. Groups have been carefully selected for their precise function, their durability, and ease of maintenance and adjustment. Among the many componentry selected in each category, you'll find inspired choices like positive internal bearing mechanisms that keep out water and grit, and high performance wheels by Matrix.

Your Trek comes equipped with the most advanced componentry to be found anywhere, like Shimano's innovative indexed thumb shifters, now available on our mountain bikes.

dex "click" shifting from Shimano and Suntour, sealed

MATRIX Many Treks feature Matrix, the fastest name on wheels, as standard equipment.
The same purebred Reynolds 531 racing geometry frame as our standard Model 560, but with an upgrade to Shimano's heralded 600EX S.I.S. componentry—anodized for a durable and outstanding finish. Not to mention a pair of highly-responsive Matrix wheels with Matrix’s new 125 psi clinchers fitted on. The top choice of triathletes and racers quickly advancing in their category. Weight: 23.2 pounds.
The first in Trek's line of dedicated racing bikes, this machine transforms Reynolds 531 tubing and Trek investment castings into a tightly-responsive short-wheelbase frame. The performance soars higher with Shimano's new 105 component group, complete with S.I.S. shifting, Biopace crankset, and linear response brake system. Matrix Titan wheelset and Matrix rubber complete this exciting package. Weight: 23.2 pounds.

Colors: Aqua (bicycle shown), Orange to red fade.
520 CIRRUS

A classic Trek touring bike composed of Reynolds 531 tubing and Trek's unique set of investment-cast lugs, dropouts, and shells. Equipped for the long haul with new Shimano Deore wide-range S.I.S. index shifting of all 18 speeds, a Biopace™ 50/44/28 triple crankset, and powerful Deore cantilever brakes. A Blackburn rear rack and multiple brazons will suit the needs of the touring cyclist. Weight: 24.9 pounds.
Featuring a Reynolds 531 sport frame for responsive handling with components geared for longer tours. 18 evenly-spaced gears are controlled by Shimano’s new Deore wide-range derailleur with S.I.S. shifting. New S.R. Oval-Tech crankset enhances pedalling efficiency. Black-anodized Matrix Titan wheels built around sealed hubs are also standard equipment on this versatile machine. Weight: 23.6 pounds.
Built of Reynolds 531 and Trek investment-cast lugs using a combination of advanced robotic technology and precision silver brazing. Extremely reliable Shimano light-action derailleurs with the convenience of their S.I.S. shifting mechanism. Brakes are Shimano's "Z" system. Add a pair of superb Matrix™ wheels with matching Matrix tires and you've got a top-quality bike that's ready for some serious riding. Weight: 23.4 pounds.
A Reynolds 531 frame crafted to perfection using our own precise investment-cast fittings. Features the new Suntour "Alpha 5000" index control transmission for shifts that are right on center every time. Also includes the new Dia Compe Alpha brakeset with hooded levers. Sealed bearing systems throughout. And Vetta's Ultra anatomic saddle atop micro-adjusting seatpost for comfort from the very first mile. Weight: 23.9 pounds.
MODEL: 1200
SERIES: Aluminum
COLORS: Race Blue w/White Decals, Orange/Red Fade w/Yellow Decals.
SIZES: 50cm, 52cm, 54cm, 56cm, 58cm & 60cm.


COMPONENT PARTS:
Crankset: SR SXC-250 25/42 2x7 1/2 Chainrangs w/Sealed B.B. Fit Derailleur: Shimano Suntour New Cyclone 7000.
Brakeset: Dia Compe Royal Compe-II 400 Black w/Black Aerol. Freewheel: Suntour New WT-6000 Silver 13-24T, 6 Speed.
Chain: Suntour New Z-Chain.
Hubset: Sansin 32 Hole Forged Alloy QR w/Sansin Steel Spokes.
Pedals: SR-SP 100 Alloy Quill Black Anodized. Handlebar: SR Custom Alloy 390mm.
Weight: 23.2 lbs.

MODEL: 5600EX
SERIES: Pro Series.
COLORS: Aqua w/White Decals, Orange/Red Fade w/Yellow Decals.
SIZES: 19.5", 21", 22.5", 24" & 25.5".


COMPONENT PARTS:
Pedals: Shimano 6000 EX Aero Handlebars: SR Custom Alloy 390mm.
Seat Post: SR CRE-100 Forged Alloy w/MicroAccess.
Saddles: Vetta Mundial AERO Suede Leather Accessories: Shimano 600 Toe Clips & Straps.
Weight: 23.2 lbs.

MODEL: 1000
SERIES: Aluminum.
SIZES: 50cm, 52cm, 54cm, 56cm, 58cm & 60cm.


Seat Post: SR CRE-100 Forged Alloy w/MicroAccess.
Weight: 24.9 lbs.
MODEL: 850
SERIES: Antelope.
COLORS: Blue Metallic w/White Decals, Red/Black Fade w/Silver Decals.
SIZES: 16.5", 18", 20" & 22".


HEADSET: YST w/Sealed Mech, Add'l Braze-Ons: Top Tube Guides, Dual Bottle Mounts, Downtube Cable Stops, Cantilever Cable Stop, Rear Rack Mounts, Chain Hanger.


MODEL: 800
SERIES: Antelope.
COLORS: Slate Metallic w/Red Decals, Yellow w/Blue Decals.
SIZES: 16.5", 18", 20" & 22".


HEADSET: YST Standard, Add'l Braze-Ons: Top Tube Guides, Dual Bottle Mounts, Downtube Cable Stops, Cantilever Cable Stop, Rear Rack Mounts, Chain Hanger.

MODEL 830
SERIES: Antelope.
COLORS: Bright Red w/White Decals, Grey Metallic/Black Fade w/White Decals.
SIZES: 16.5", 18", 20" & 22".


HEADSET: YST w/Sealed Mech, Add'l Braze-Ons: Top Tube Guides, Dual Bottle Mounts, Downtube Cable Stops, Cantilever Cable Stop, Rear Rack Mounts, Chain Hanger.


MODEL 800
SERIES: Antelope.
COLORS: Slate Metallic w/Red Decals, Yellow w/Blue Decals.
SIZES: 16.5", 18", 20" & 22".


HEADSET: YST Standard, Add'l Braze-Ons: Top Tube Guides, Dual Bottle Mounts, Downtube Cable Stops, Cantilever Cable Stop, Rear Rack Mounts, Chain Hanger.

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