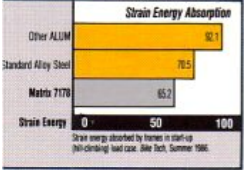


Trek Aluminum Facts – 1987

IN ALUMINUM.

DESIGNED FOR SPEED.

TREK aluminum bicycles are faster because they are designed for greater efficiency of pedaling effort. According to *Bike Tech* (Summer 1986): "The Trek 2000 is clearly the stiffest of the three [tested], since it is the lowest in strain energy absorption."



TREK MEANS TECHNOLOGY, QUALITY AND SERVICE.

TREK is a technology leader, committed to building the most advanced, high-quality bicycles available. TREK's life-time frame warranty is backed by professional service from authorized dealers nationwide.



- **STRONGER** — featuring TREK-tested Matrix aluminum tubing and adhesive bonding.
- **LIGHTER** — 20% lighter than traditional steel-frame designs.
- **DURABLE** — tested for endurance and finished with a 4-coat process that resists chipping and scratching.
- **COMFORTABLE** — superb shock damping built right in.
- **EFFICIENT** — powerful and responsive handling.
- **LIFE-TIME WARRANTY** — TREK's commitment to a truly reliable bicycle... American-made and backed by professional service dealers nationwide.

The complete line of TREK Aluminum frame bicycles is available now. See your authorized TREK dealer for a test ride.



TREK 1000
Race/triathlon
Unique combination of stiffness, response and comfort in a bonded TX frame. Equipped with Suntour's New Cyclone 7000 component group. Lightweight Matrix wheels. 21.1 lbs.



TREK 8000XT
All-terrain
Mountain bike breakthrough in aluminum. Features Shimano's Deore XT setup with newest version of S.I.S. indexed thumb shifters. Sogace 48/38/28 triple crankset, new freehub/free-wheel system and chain-mounted "U" brake. 27.1 lbs.



TREK 1500
Race/triathlon
Superbly detailed racing machine with sleek mid-size tubes and Shimano's newest Sante derailleur group providing shifting precision at all 14 speeds. Biopace™ crankset and Matrix™ Iso-C clincher wheels. 20.9 lbs.



TREK 1200
Race/triathlon
An elite racing machine with responsive, resilient geometry. Suntour's top-quality Sprint 9000 components with Acushift indexing for perfect gear engagement under pressure. Dia Compe Royal zero brakes. Matrix Titan wheels and CD-4 tires. 20.9 lbs.

Authorized TREK Dealer

TREK USA

TREK Bicycle Corporation
801 West Madison Street
P.O. Box 183
Waterloo, WI 53594

ALUMINUM FACTS



TREK USA

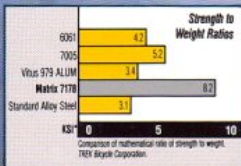
TREK TECHNOLOGY IN ALUMINUM: LIGHT, STRONG, FAST.

Trek aluminum bicycles represent the most advanced technology available to cyclists today. Super-strong alloys and computer-designed lugs, combined with aerospace bonding, produce a bicycle that is light, strong and fast. "One of the best all-around racing bikes we've tried," says *Bicycle Magazine* (Oct. 1985).

Long an industry leader in building quality silver-brazed Reynolds 531 frames, TREK Corporation has dedicated much research and testing to the design of the best aluminum bicycles on the market. Using Matrix 7178 aluminum alloy—the strongest available—TREK is producing frames that are lightweight, resilient and responsive. Backed by a life-time warranty, TREK aluminum bicycles have every advantage.

TREK MATRIX IS A STRONGER ALUMINUM ALLOY.

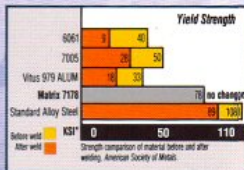
The super-strong, unweldable Matrix 7178 alloy is stronger than other commonly used aluminum alloys. Then, because TREK frames are bonded, not welded, they retain the original strength of the Matrix alloy.



AEROSPACE EPOXY BONDING PROVIDES TONS OF STRENGTH.

The same type of adhesive that holds trim tabs onto the wings of an F-16 fighter plane is used to bond TREK aluminum frames. This process creates a bond so strong it would take more than nine tons of energy to pull a tube straight out of a joint.

Adhesive bonding does not require heat, so TREK aluminum frames retain all the strength built into the alloy. Furthermore, since TREK aluminum construction does not need post-welding heat treatment, the frame is guaranteed to meet exacting standards of accuracy in alignment. It's a technique so effective, TREK uses it on the rugged model 8000 Mountain Bikes and the new 2500 carbon-fiber composite model.



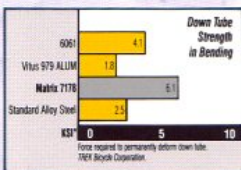
TREK IS A LIGHTWEIGHT.

TREK Matrix 7178 tubing is 66% lighter than steel. This produces a frame 20% lighter and 20% stiffer than a standard alloy steel frame. On testing a TREK 2000, *Bicycle Guide* (Aug. 1985) declared: "... the same stiffness you would get with a stout, steel frame, at a weight saving of about 3/4 lbs."

*KSI = 1000 lbs. per sq. inch

MID-SIZED TUBING IS ENGINEERED FOR STRENGTH AND LIGHTNESS.

Tubing diameter and thickness is directly related to strength and comfort. By using superior alloys and computer modeling (CAD), TREK engineered the ideal, mid-sized tubing dimensions. As a result, TREK Matrix frames are stiff and efficient for a comfortable and powerful ride. By contrast, oversized, welded aluminum frames result in a heavier, more rigid frame and a harsher ride.



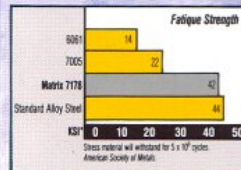
IMPROVED SHOCK ABSORPTION MEANS GREATER COMFORT.

TREK aluminum frames have better shock absorbing qualities than steel or welded aluminum frames. That means you get a more comfortable ride, over any rough road. *Bicycle Guide* (Aug. 1985) noted: "You do get shock absorption beyond what you'll find in a steel frame."

TREK ALUMINUM FRAMES ARE DURABLE.

In repetitive durability tests, a TREK 2000 frame withstood more than 30,000 bending cycles. Under the same tests, brazed steel and welded aluminum frames

failed at fewer than 10,000 cycles. This durability is a result of the high-fatigue strength of the Matrix 7178 alloy and the balance of strength in the tubing, lug and bonding system.



INTERNAL LUGS PROVIDE STRENGTH AND ACCURACY WHERE IT COUNTS.

These fittings reinforce the joint for maximum strength and assure

precise frame alignment. Patented tapered-end fittings slip into the tubes where the adhesive takes hold, completing a smooth, seamless joint with no hidden stress risers.

TEST RIDE A TREK ALUMINUM BICYCLE TODAY. IT'S THE ONLY WAY TO EXPERIENCE THE ALUMINUM ADVANTAGE.

SOURCES: *Metals Handbook*, 9th Edition, Vol. 2, American Society for Metals; *Bike Tech*, Summer 1986; TREK engineering and research 1985-87.

TREK 2000

Finest example of racing bike technology on the market. Ridden by American cycling champions in the "Race Across America" and triathlon competition. Shimano Dura Ace components. Matrix Iso aero tubular wheels. 19.5 lbs.



TREK USA