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CATEGORIES



PREV ITEM NEXT ITEM

Recreation
Ellsworth Handcrafted Bicycles "The Ride"

The Infinitely Geared Bike

Cyclists have been waiting a long time for this one. Based on a 1490s sketch by Leonardo da Vinci, The Ride's rear hub mimics an infinite number of gears, rather than the mere 21 offered by the usual chain-yanking transmission. So you can always find the perfect gear ratio, whether starting from a stop or speeding down a hill. Twist a dial on the handlebar, and ball bearings in the bike's NuVinci transmission tilt between two rotating metal discs. (Your pedaling turns one disc; the other transfers power to the rear wheel.) As the balls tilt, they touch the discs at varying angles. This changes how fast the wheel spins relative to your pedaling—slowly for low gear ratios, where pedaling is easy but the wheel doesn't turn much, and quickly for high ratios. The balls can roll to almost any angle, giving you precise control over the bike's torque (and your exertion). This latest take on da Vinci's continuous transmission has potential uses beyond bikes. Within four years, expect to see the NuVinci in cars, tractors, even wind turbines —the possibilities are nearly as limitless as the gear ratios. 3,000; ellsworthbikes.com



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Tony Ellsworth & Donald Miller
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Ellsworth Handcrafted Bicycles "The Ride"
The Infinitely Geared Bike



Mountain Hardwear Stimulus
THE LIGHTEST WATER WEAR



Bushnell ONIX400
MAPS THAT KNOW THE WEATHER



ARC'TERYX R320
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Mammut Pulse Barryvox
saving people who are buried alive



Yamaha FX Cruiser Sho Waverunner
ULTRALIGHT HULL = WICKED WATERCRAFT



VÖIKL TIGERSHARK
SKIS THAT SHIFT MODES WITH A CLICK



Piaggio MP3
three-wheeled suspense



Brunton Vapor AF Expedition Stove
COOKING WITH GAS—OR LIQUID

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