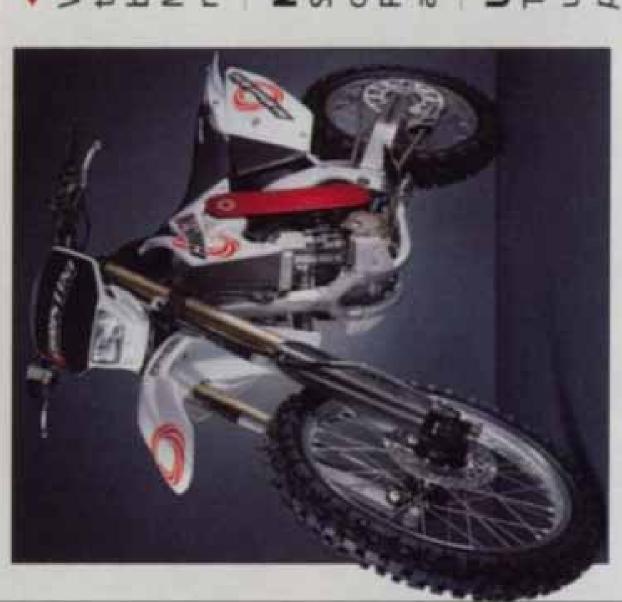
### 2007 SCI-TECH PREVIEW,48







# ALL-WHEEL JIVE

Watch an exclusive video of the Christini all-wheel dirt bike in the Red Bull Last Man Standing endurance race at popsci.com/christini.

### MORE POWER!

See a video of our favorite competitors from the Seattle Power Tool Drag Race Derby at popsci.com/powertools.

## UNDER THE SEA

Take a tour of the Poseidon underwater hotel at popsci.com/poseidon.



#### WHAT'S NEW

TECH THAT PUTS THE FUTURE IN THE PALM OF YOUR HAND



24 The sled that can hit 60 mph



A laptop with a screen on the outside



The media player that fetches new movies

### THE POWER OF TWO

A new retrofit kit yields the first motorcycle driven by both wheels, for twice the dirt-churning traction

STUCK ON THE SLOPE of a sloppy hill, his rear wheel spinning in the mud, engineering student Steve Christini realized that he was staring at an untapped source of traction: the front wheel. Six patents and millions of dollars of venture capital later, he's created a kit that turns a standard Honda dirt bike into the first race-ready two-wheel-drive motorcycle. Previous attempts at an allwheel-drive bike were nearly unsteerable because accelerating the front wheel tends to yank it to one side. Christini's kit offsets that lateral torque by using two counter-rotating clutches—one on each side of the fork-in the front drivetrain. The kit further mitigates the torque by delivering only

when the rear wheel spins.
The kit is already a hit with pros.
"Fifty percent of dirt biking is just trying to get traction," says five-time world champion Chris Smith. "Once the front wheel is powered, you can go in whole new directions."—KYLE STOCK

a controlled amount of

power to the front, and only



CHRISTINI AWD KIT

WEIGHT: 15 pounds PRICE: \$6,800 (bike not included) AVAILABLE FOR: Honda CRF250 and CRF450 INFO: christini.com \* EXTRA DRIVE The second chain turns a driveshaft hidden in the bike's headtube to power the front wheel.

