

BodyEnergy: Efficient, Safe, and Green Cardio Fitness Equipment

www.bodyenergytechnology.com

The following motorized treadmill problems can all be solved by the BodyEnergy Treadmill:

- Running on motorized treadmill burns less calories than running on ground
- Limited upper-body exercise
- Difficult to facilitate HIIT workouts (High Intensity Interval Training)
- Strong impact on knee and ankle joints from the force of the powerful motor
- Unsafe for users, especially for kids and seniors
- Passive exercise, treadmill is controlling the user
- Possibilities of electric motor breakdown and equipment failure
- High electric energy cost (commercial treadmills can use up to \$1000/year in electricity)

Every few decades there seems to be a breakthrough in fitness equipment that substantially changes the way people workout. In the past, there were stair climbers, elliptical machines, exercise bikes, cross trainers, cam weight machines, treadmills, et al. The common goal was for the user to get the maximum fitness results in the shortest amount of time.

As the industry progressed through decades of new fitness products, we saw the introduction of moving arms on upright bikes as well as ellipticals, thus inventing the “cross-trainer.” The goal was to provide an upper- as well as lower-body challenge for a complete workout. The engagement of the upper-body muscles also increased calorie expenditure compared to using just the lower body. Despite these innovations and modifications of tried-and-true devices, the treadmill is still the predominant weapon of choice in homes and health clubs throughout the world. No one has successfully integrated arms into a treadmill ... until now. Following six years of development, the BodyEnergy treadmill emerged with a patented arm-drive system to replace the electric motor and integrated resistance arms to work in consort with the running surface.

Motorized treadmills are driven by strong electric motors ranging from 2 to 5 HP. While an average person’s sustainable mechanical output power is about 0.1 HP. Therefore, to efficiently drive a treadmill without the help of gravity is a very big challenge. For last several decades, people around world had tried to invent a practicable hand-driven treadmill, but all failed because of the insurmountable difficulties. BoldEnergy’s treadmill *patented drive mechanism* solves the fundamental problems and enables it to run smoothly with limited human power. Previous human-powered treadmills are all based on gravity force to drive the tread belt (use incline to slide down, including Woodway, the curved treadmill with slat belt sliding on two rows of bearings). The gravity-force based treadmills have been on the market for more than 50 years. Since these types of machines can’t meet most people’s needs, the user’s numbers are still very small. BodyEnergy’s efficient and controllable *hand-drive system* will make this human-powered treadmill more popular than motorized treadmills in the near future. The *patented drive system* also allows the user to drive the treadmill with their hands as well as by feet.

Treadmills are the #1 fitness machines that people use to exercise on , with 55 million Americans using them in 2019. Despite their popularity, their use is not without risk. From 2005-2014, there were 30 deaths associated with motorized treadmills in US. Also, motorized treadmill injuries send over 24,000 people to the emergency room every year. This accounts for 40% of all indoor fitness equipment injuries in the United States alone. Two such traumatic events were the death of Dave Goldberg, CEO of Survey Monkey and husband of Facebook COO Sheryl Sandberg, in 2015 who died of head trauma after falling off a motorized treadmill and Exodus Tyson, the 4-year-old daughter of former heavyweight boxing champion Mike Tyson, who died as a result of a tragic accident on a home treadmill in 2009.

There are 55 million treadmill users and 32 million elliptical users in USA. Fitness equipment annual wholesale figures more than \$12 billion (treadmill 25% and elliptical machine 19%). BodyEnergy can replace current treadmills and elliptical machines (total 44% fitness equipment sales). Also, there are 65 million seniors in the United States, and BodyEnergy will be the only treadmill safe for all seniors. The BodyEnergy treadmill is the only human-powered treadmill suitable for all ages and activity levels from low intensity to high intensity users. Worldwide, BodyEnergy's potential users will be at least three times more than the U.S. users alone.

The BodyEnergy treadmill is already winning accolades among fitness enthusiasts! At its first public debut, the Consumer Electronics Show (CES) 2020, it was extremely well-received, and was presented with the **Runner's World Editor's Choice award** for **"best running tech product"**. People who tried it at the trade show were impressed with the treadmill's ease of use and full body workout capability. More than ever before, people are purchasing home fitness equipment due to the Covid-19 pandemic and gym closures, and the BodyEnergy treadmill is the perfect choice for creating a "mini-gym" at home. As we look to the future, we see a better choice for treadmill users - a **safe, green, more efficient full-body workout**, like a mini-gym. In addition , the BodyEnergy treadmill will allow exciting and challenging forms of online racing possible.

To find out more information about the BodyEnergy treadmill visit:
www.BodyEnergyTechnology.com

