



ECCENTRON[™]

NEGATIVE IS THE NEW POSITIVE



THE ECCENTRON IS
REVOLUTIONARY
LOOK FAMILIAR? THINK AGAIN.

It is not an elliptical, stepper, or bike. Eccentron is a patented, functionally unique **eccentric strength training system**. It is unlike any therapy or athletic conditioning tool you have seen or used before. And its results are unlike any you've ever seen before.

Harness the power of negative resistance for positive results with the BTE Eccentron.



NEGATIVE IS THE NEW POSITIVE

Eccentric exercise – muscles lengthening under force, or negative resistance – has long been acknowledged for its superior strengthening by Orthopedic and Physical Therapy leaders. But until now, there wasn't a proven device to safely deliver the benefits to a wide market. Eccentron changes that – giving your clinic the power of eccentrics.

Eccentron was invented by a team of University research doctors – a physical therapist, a biologist, and an MD, with clinical research funded by the National Institutes of Health.

NOW IT'S BROUGHT TO YOU BY INDUSTRY LEADER BTE.

BTE
ANYTHING LESS IS GUESSING



DELIVER THE POWER OF ECCENTRICS TO YOUR WHOLE PRACTICE



GERIATRIC

- Safely increase strength and stability for improved balance, mobility, and decreased fall risk
- Transition clients to strength program sooner – resisting as little as a percentage of their body weight



CARDIOPULMONARY

- Provide measurable strengthening for clients with low cardiac output
- Make significant gains without intense aerobic activity or high impact exercise



GENERAL REHAB

- Diversify, offering unique wellness programs in addition to rehab services
- Monitor individual leg strength improvement through the course of closed-chain treatment



ATHLETIC

- Build fast twitch muscle and enhance spring quality with high load, high rep eccentric training
- Enhance overall athletic performance – strength, power, reaction, and agility

"Eccentron is the only method of developing eccentric strength in a reasonable, effective, and self-contained way."

– Donald Chu, Ph.D., PT, ATC, CSCS, Performance Enhancement Consultant

GAIN THE ECCENTRIC EXERCISE ADVANTAGE

Eccentric muscle work occurs everyday when a muscle lengthens under force: as when lowering a weight, descending stairs, or walking downhill. Eccentric work provides unique responses and benefits not achievable with concentric exercise.

HIGHER RESISTANCE CAPACITY LOW OXYGEN REQUIREMENT

Body can resist 30-40% more weight (eccentric) than it can push (concentric), inducing a greater strength response

80% less O₂ needed due to muscles resisting rather than doing concentric work

LOWER PERCEIVED EXERTION BUILD FASTTwitch MUSCLE

Comfortably produce more force output than in a traditional concentric exercise

Benefit a variety of client needs, from locomotion to vertical jump, without high impact or speed drills



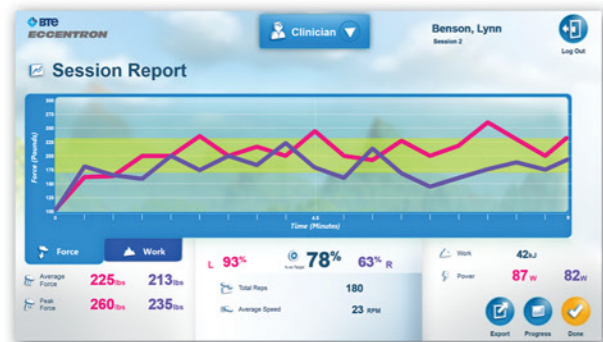
HARNESS THE POWER OF ECCENTRICS

Operating Eccentron is simple and fun. The client resists the moving pedals at his or her own force capacity. Muscles lengthen under force (eccentric contraction) as when lowering a weight, descending stairs, or sitting down in a chair.

Exercising on Eccentron is similar to walking down multiple flights of stairs. With Eccentron, clients of all function levels can rapidly improve their strength in a comfortable, closed chain position. Harness the benefits of Eccentrics without joint impact or lifting weights.

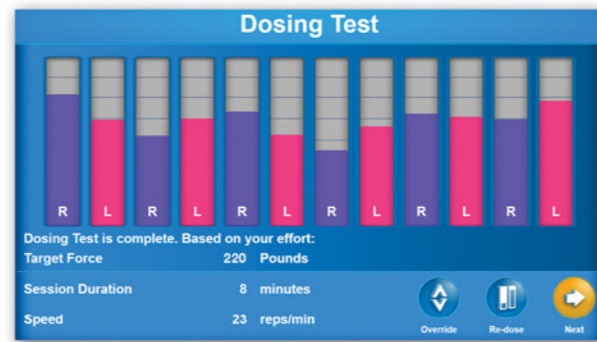


For over 30 years, BTE has brought innovative technology into clinics and athletic performance centers worldwide. Accurate measurement and reporting support better clinical decision-making, driving superior outcomes. Get better results with Eccentron.



How do I determine the appropriate resistance level for each client?

Based on extensive research, BTE smart dosing technology provides optimal targets and progression for individual client needs – ranging from frail to high performance athlete. Client controlled resistance means patients work at their optimum level – even those with advanced weakness.



How do I keep clients engaged and returning for the full course of treatment or conditioning?

Eccentron's interactive game-like experience keeps clients motivated. The software guides users along and captures objective data for each leg, showing performance and progress from each session to the next.



How do I show evidence that the prescribed treatment program is working?

Eccentron visually displays each session's performance and shows clients' continuing improvement over the full course of treatment. Detailed PDF reports justify treatment reimbursement from insurers and help you market to referring physicians.



EXPAND YOUR PRACTICE

Simple in form and function, this advanced piece of equipment offers unparalleled value.



Gain a competitive advantage by offering unique eccentric treatment and conditioning



Offer superior outcomes not achievable through traditional rehab to a broad variety of clients



Keep clients engaged and motivated to come back for the entire prescribed course of treatment



Clients like it so much, they will pay to use it as a continuation of their wellness program



Your entire staff can easily operate Eccentron with minimal training



Gain referrals from doctors with objective patient progress and superior outcome reports



The Technology of Human Performance

For over 30 years, clinics, orthopedic hospitals, research sites, chiropractic facilities, and athletic performance centers have relied on BTE's advanced equipment for objective, functional evaluation, rehabilitation, and training. With over 4,000 installations worldwide, a wide variety of clinics and industries use BTE technology to support evidence based practice and optimal client care.

Training

It takes more than smart technology to improve your clinic. BTE Eccentron comes with training and educational video to help you realize superior outcomes. BTE gives your staff the confidence to execute effective treatment and marketing plans, helping you meet the demands of today's medical-legal environment.

Call us today to eliminate guesswork and provide a measurable difference – enhancing your outcomes and improving quality of care.

THE TRUE LEADER IN:

Physical Evaluation & Rehabilitation

Human Performance Testing

Functional Task Simulation

Restoring Functional Abilities

Evidence Based Medicine

ECCENTRON™

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- Resist up to 750 Lbs (3300 N) per leg
- Adjustable speed range from 12 to 48 reps per minute
- Low step-over height
- 22" HD touchscreen
- Easy to operate user-friendly software
- Handheld pendant for client control
- Optimal resistance targets and progression for individual client needs
- Detailed session and progress reports
- Adjustable seat comfortably accommodates clients from 4'8" (143 cm) to 6'8" (203 cm)
- Treat clients with varying fitness and function levels

