T-FORCE

DYNAMIC MEASUREMENT SYSTEM

www.tforcesystem.com

The ***T-FORCE*** **Dynamic Measurement System** is a *state-of-the-art* isoinertial dynamometer for the accurate assessment of an athlete's **strength and power** capabilities.

An **invaluable tool** for the strength and conditioning coach, the system provides very helpful and detailed information for the **monitoring** and **prescription** of **resistance training** programs. Each athlete's **velocity** and **power** profiles under different loading conditions can be obtained in real-time and saved for subsequent analysis .

This device displays and registers relevant **biomechanical parameters** (displacement, velocity, acceleration, force, power, ...) of most weight-lifting exercises performed in a vertical plane against a constant load. Data such as peak force, mean velocity, mean power, time to peak power, propulsive phase's duration, etc. are automatically computed and presented on screen, both numerically and graphically.

MAIN FEATURES:

:: **Accurate, highly reliable**, linear velocity transducer
:: **Direct measurement of velocity** with which movements are performed
:: 1 KHz sampling frequency **(1000 data per second)**
:: Comprehensive & **powerful software** (with both, ***testing*** and ***training modes***)
:: **Auditory** and **visual *feedback*** for velocity or power based training
:: **Export** all data **to *MS Excel*** with a simple mouse click!
:: Small, portable device, suitable for any training setting
:: **USB 2.0** connection
:: No need for any external power supply
:: Compatible with ***Windows XP*** and ***Vista***

by ERGOTECH

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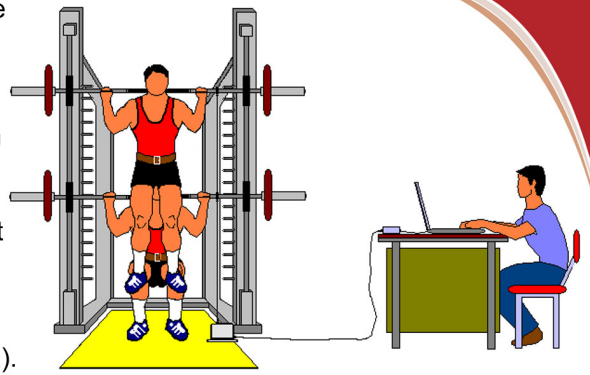
***T-FORCE*'s software** is definitely one step ahead of its competitors. Unlike other similar products that exist in the market, our solution is powerful, yet user-friendly and intuitive. It has been developed to suit the needs of coaches and sport scientists alike. It is packed with features that save a lot of analysis time after a testing or training session (e.g., you get instant access to the best repetition data of each set according to different criteria).



The ***T-FORCE*** **System** is currently used by several professional football/soccer, volleyball and rugby teams, leading universities, sports federations, fitness coaches, sports medicine centres and exercise science research facilities.