

AMTI and Frappier Acceleration Sports Training
have joined forces to create the

AccuPower

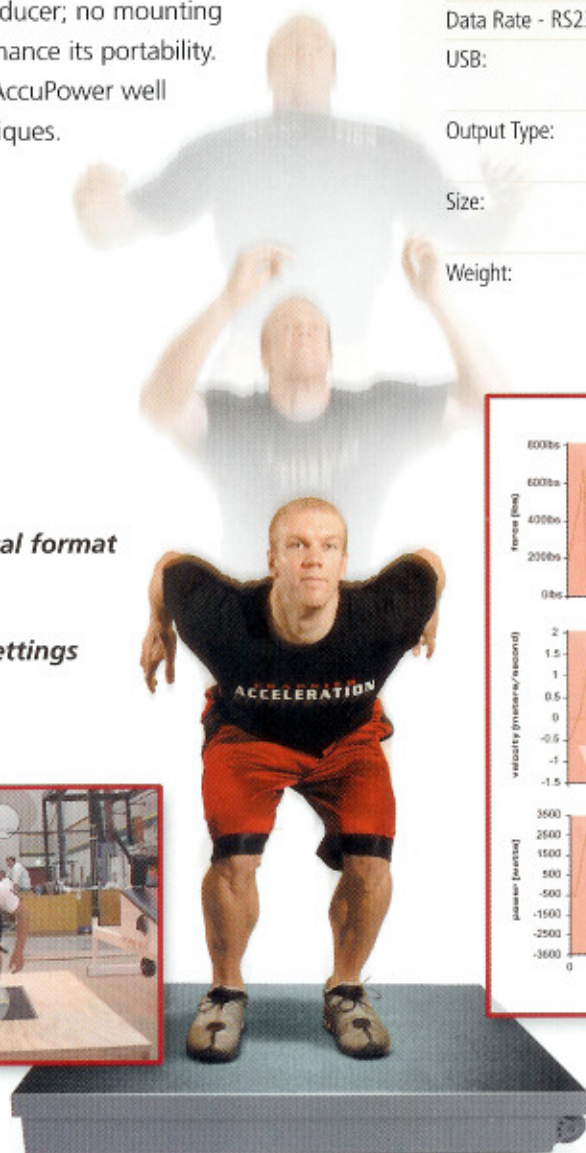
Functional Power Assessment System | **HARDWARE**

The **AccuPower*** is a portable six component forceplate designed for athletic performance evaluation during jumping or similar exercises. It is designed with sensors based upon Hall effect technology and includes high overload protection. Internal electronics allow direct interfacing to a serial port on a computer. A single telephone style cable is the only connection to the forceplate. The use of composite construction results in a low weight transducer; no mounting is required! A handle and two wheels enhance its portability. The rugged non-skid surface makes the AccuPower well suited for evaluating various sports techniques.

AccuPower Software Features

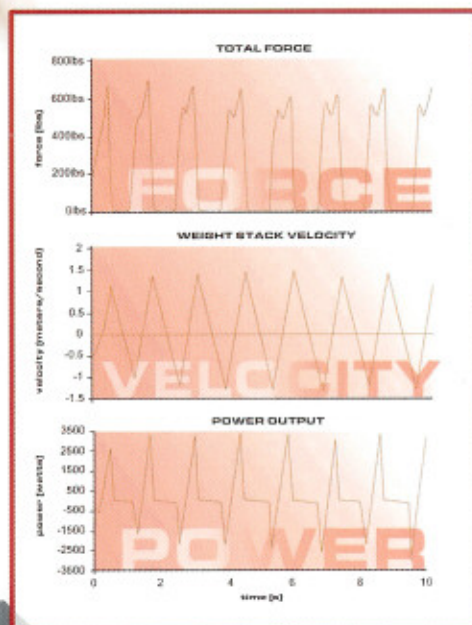
- **3 modes of operation:**
 - Feedback mode
 - Testing mode
 - Playback mode
- **Full featured graphics display**
- **Calculations displayed in graphical format**
- **Includes standard jump tests**
- **Allows user specified duration settings**

AccuPower software is fully integrated with available DartFish video training solution.



Platform Specifications

Fz Capacity:	2000 lb (8900 N)
Fx, Fy Capacity:	1000 lb (4450 N)
Mz Capacity:	10000 in-lb (1100 Nm)
Mx, My Capacity:	25000 in-lb (2825 Nm)
Lowest Natural Frequency:	greater than 100 Hz
Data Rate - RS232:	up to 200 data sets per second
USB:	up to 400 data sets per second (using RS232 to USB converter)
Output Type:	Digital, RS232 (RS232 to USB converter available)
Size:	30" x 40" x 4.9" (762mm x 1016mm x 124mm)
Weight:	50 lb (23 kg)



*U.S. Patent #5,339,699



Frappier Acceleration
Sports Training

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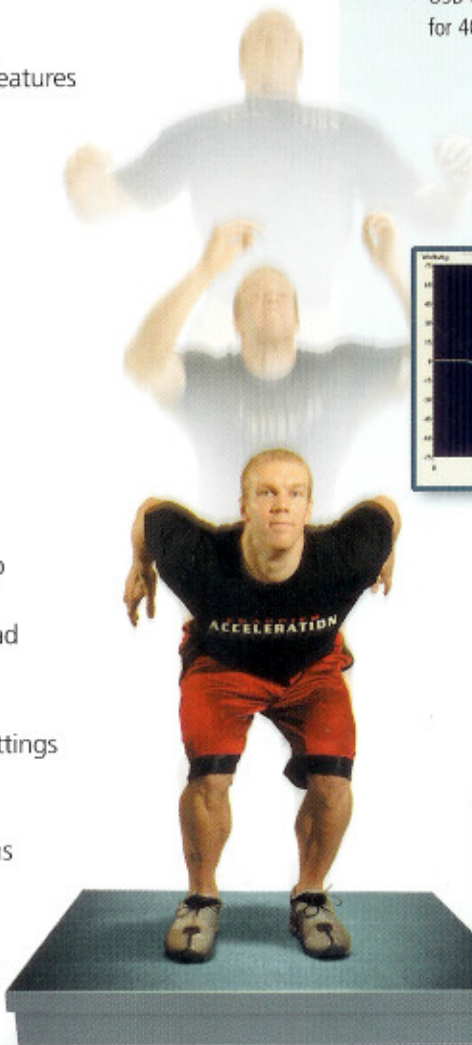
Functional Power Assessment System | SOFTWARE

The **AccuPower*** is a portable six component forceplate designed for athletic performance evaluation during jumping or similar exercises.

AccuPower Standalone Software Features

- **3 "modes" of operation: Feedback, Testing, Playback**
- **Calculations displayed in graphical format**
 - Center of Mass velocity profile
 - Power profile
 - Peak power/jump (negative/positive)
 - Rate of Power development
 - 3D force vector display w/ slow motion features (playback mode only)
 - True COM jump height
- **Full-featured graphics display**
 - x and y axis zoom
 - cursor indicating graph values
 - VCR playback controls
- **4 standard jump tests:**
 - Single vertical jump
 - 10 second repeated vertical jump
 - 30 second repeated vertical jump
 - Standing long jump
- **2 user-defined settings**
 - user-specified duration for repeated jump testing or other movements
 - user-specified duration and additional load for Olympic lift testing
- **Data acquisition features**
 - Auto-recognition of RS232 COM port settings
 - Data sampling rates of 100, 200, or 400 data sets/second
 - File auto-save and auto-increment options
 - All data saved in comma-delimited ASCII format

The forceplate is designed to be a low weight, portable transducer with high overload protection and can interface directly to a computer's serial port.



*U.S. Patent #5,339,699

Minimum Requirements for AccuPower standalone

Windows 2000, Windows XP Professional

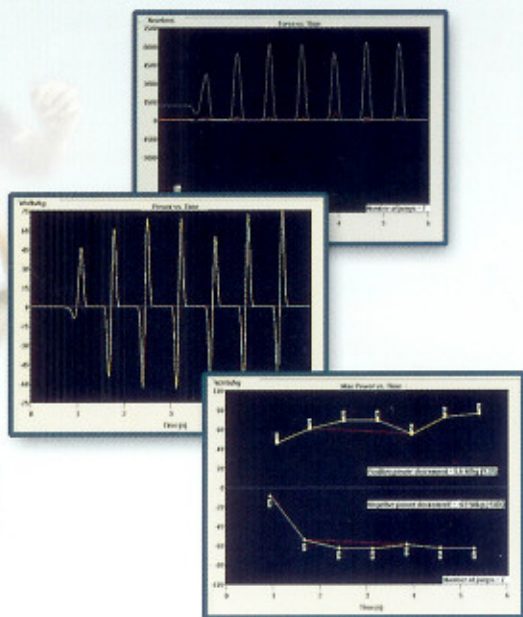
Pentium III-600 MHz, P4, Athlon XP, Celeron 2 processor

64 Mb RAM (128 Mb or better recommended)

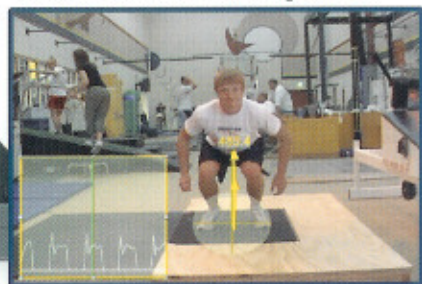
2 Mb disk space

RS 232 serial port OR USB to RS232 serial converter

- USB to RS232 serial converter required
for 400 data sets/second



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