



WORLD LEADING TECHNOLOGY



- No cables
- No special starting blocks
- No undetected False Starts



From IAAF rule 161:2

The Starter and/or an assigned Recaller shall wear headphones in order to clearly hear the acoustic signal emitted when the apparatus detects a false start (i.e. when reaction time is less than 100/1000ths of a second). As soon as the Starter and/or an assigned Recaller hears the acoustic signal, and if the gun is fired, or the approved starting apparatus is activated, there shall be a recall and the Starter shall immediately examine the reaction times on the false start apparatus in order to confirm which athlete(s) is/are responsible for the false start. This system is strongly recommended for all other competitions.



Wireless False-Start Detection:

The wireless technology from Lynx System Developers, Inc. is used at major events: **IAAF** Grand Prix 1, **IAAF** Grand Prix 2, **USATF** National Championship, **NCAA** National Championships. ReactTime has unique motion analysis that normalizes for athletes of varying weights and power, and data filtering that can differentiate between significant and insignificant movement for unequalled accuracy and fairness.

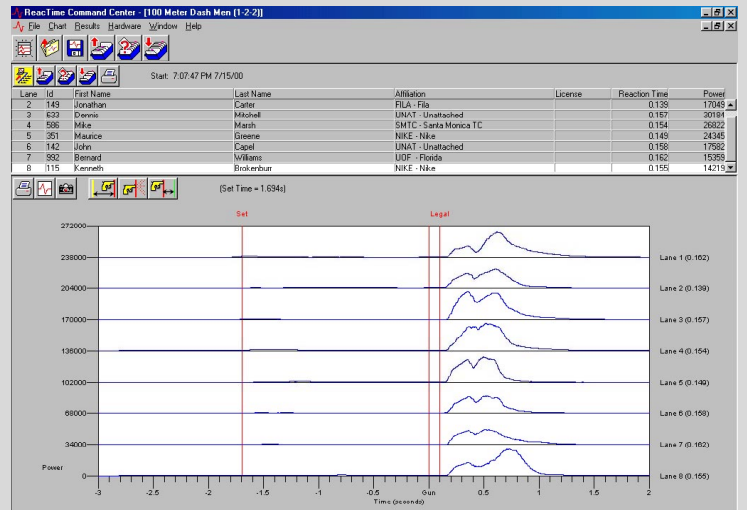
Features:

Easy to Use	Single button operation by Starter or Assistant.
Accurate	Movement tracked every 1/1000 th second.
Fast	False Start signaled within a second from gun.
Secure	Tamperproof sensors prevent athlete interference.
Wireless Audio	Starter's commands relayed to athletes' loudspeakers.
Wireless Data	No cables on the track.
Convenient	Trackside printing of reaction times.
Customizable	Headset Signals can be configured to Starter's preference.
Portable	Built-in rechargeable battery packs.

Comparing ReactTime Data with Photographic Evidence

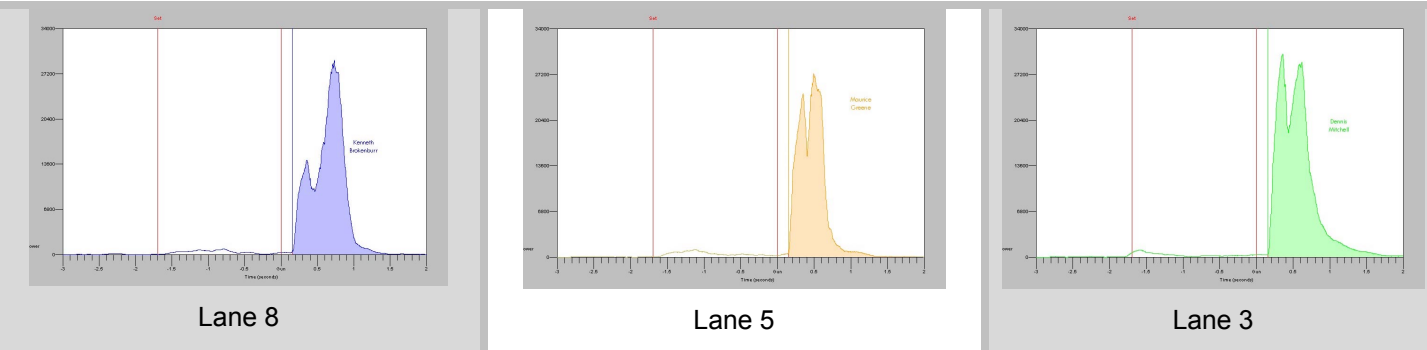
When they were developing the technology, Lynx engineers examined the start data of thousands of starts and compared this data to digital video. Years of use at the highest level has endorsed the accuracy of the system time and time again. We believe that when you have used the system you will agree that the motion analysis technology is the finest of its kind in the world.

Because the ReactTime system does not rely on pressure pads or force detection, athletes cannot trick the technology by overloading the sensors, stamping, etc.. An entirely new level of accuracy and fairness is achieved.

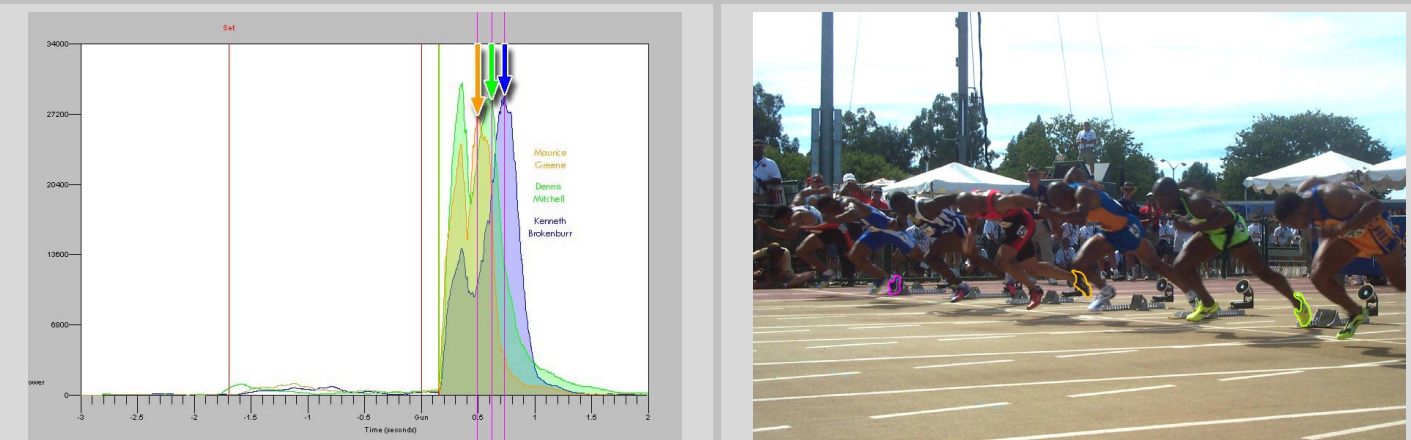


Shown above is the ReactTime data for the second semi-final of the men's 100m Dash at the 2000 US Olympic Trials.

The Start in Pictures and Graphs (color enhanced for clarity).



In the diagram below these three traces are compared. From the data, you can clearly see that the athlete in lane 8 (purple) was in contact with his blocks after the athletes in lane 5 and lane 3.



When you compare this digital information from the ReactTime sensors with the above photo taken a fraction of a second after the start of the race you can clearly see that this is true. The back foot of the athlete in lane 8 is still in contact with blocks, but lanes 5 and 3 are in full stride.