



**Taekwondo Canada**  
**Daedo/TrueScore System Observation Report**  
**May 29<sup>th</sup> & 30<sup>th</sup>, 2010**

At the recent Canada Open held in Montreal on May 29-30, 2010, the Daedo/TrueScore E-trunk protectors made their Canadian debut. The Junior divisions also implemented the electronic headgear. I had observed a product presentation by Daedo/TrueScore representatives and liked what I had heard & seen but the true test is to see it live in action during a real event. In my opinion, it did not disappoint.

Daedo E-trunk protectors utilize rare, specialized magnets for proximity detection instead of electrical conductivity so sweat or moisture has no bearing on the reliability of the products. The Daedo E-trunk protectors appeared to score more points consistently and that seemed to please everyone: athletes, coaches and spectators. I saw several examples of double & triple kicks scoring 2 or 3 points. Flank side attacks and back kicks as well as strong cut/push kicks also scored consistently on the Daedo E-trunk protectors. This coupled with the "10-second kick" rule made the action more continuous and exciting for everyone.

The only drawback is parts of the system still rely on human involvement. For example, the proper color sensors must be placed in the corresponding color hogu. There were a couple matches where the blue sensor was placed in the red hogu. The errors were caught and rectified through some of the checks & balances but some slipped through and were not realized until part way through the matches.

The E-headgear, though not yet WTF-approved, was very impressive. It did have some minor glitches but it's only a matter of time before this is the next technological leap forward. If Canada is given the opportunity to be an early-adopter to this technology, Canada should take the initiative to be a pioneering force. This can only benefit our athletes and our podium chances in the future.

Other advantages:

- 1) Wireless hand grip paddles
  - a) No heavy cables to trip over, or transport.
  - b) No wires so no central hub in which the paddles need to be connected, only a memory stick sized receiver plugged into the laptop. This will greatly reduce operation and maintenance costs. With RingMaster, the part that failed the most was the hub that connected the corner judges' paddles with the laptop.
- 2) Lithium-ion rechargeable batteries

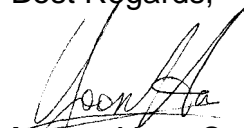
Last 12 hours and takes a short time to recharge. Only after 12 hours of the competition in Montreal was the first batteries swapped out. No need to purchase 100's or 1000's of conventional batteries. This reduces the equipment's operating expenses at every event.

- 3) E-trunk protector
  - a) Athletes say it is lighter & more comfortable than other EBPs.
  - b) Reversible, so individuals do not need to purchase a separate blue & red one.
  - c) No dead spots in the scoring area.
  - d) Only one test kick is needed as the sensors are a continuous circuit.
  - e) The test kick registers on a power meter with the point threshold marked
  
- 4) Socks
  - a) Specialized magnets employed are impervious to moisture
  - b) Aesthetically more pleasing because there's no need for athletes to pull up pant legs and tape the cuff.
  - c) The socks look aesthetically the same as the currently used gloves so again more visual continuity
  - d) The socks are washable
  
- 5) Head Gear (not yet WTF-approved)
  - a) Looks identical to the current, traditional WTF-approved headgear.
  - b) Effectively scores almost all face kicks except for the direct to the front of the face or neck which has to be scored by the corner judges.
  - c) System is already equipped to add the electronic head gear as an option when head gear is purchased.

Referees' comments were very positive too. Even first time users commented Daedo allowed them to focus on their primary tasks and not having to watch coaches & athletes in between rounds looking for water tampering, making sure pants were rolled up so socks could make contact, checking for the dampness of gloves & doboks, checking batteries, sensors not working, etc.

The Olympic Committee and the Organizing Committee for the London Olympics will make the announcement by the end of this year as to which scoring system will be utilized for the 2012 Olympic Games. If Daedo is chosen, we would be placing our athletes at a huge disadvantage if we did not obtain the equipment for their training and preparation. The Europe Taekwondo Union has already signed a long term deal with Daedo.

Best Regards,



Master Yoon Sang Ha  
Competition Committee Chair