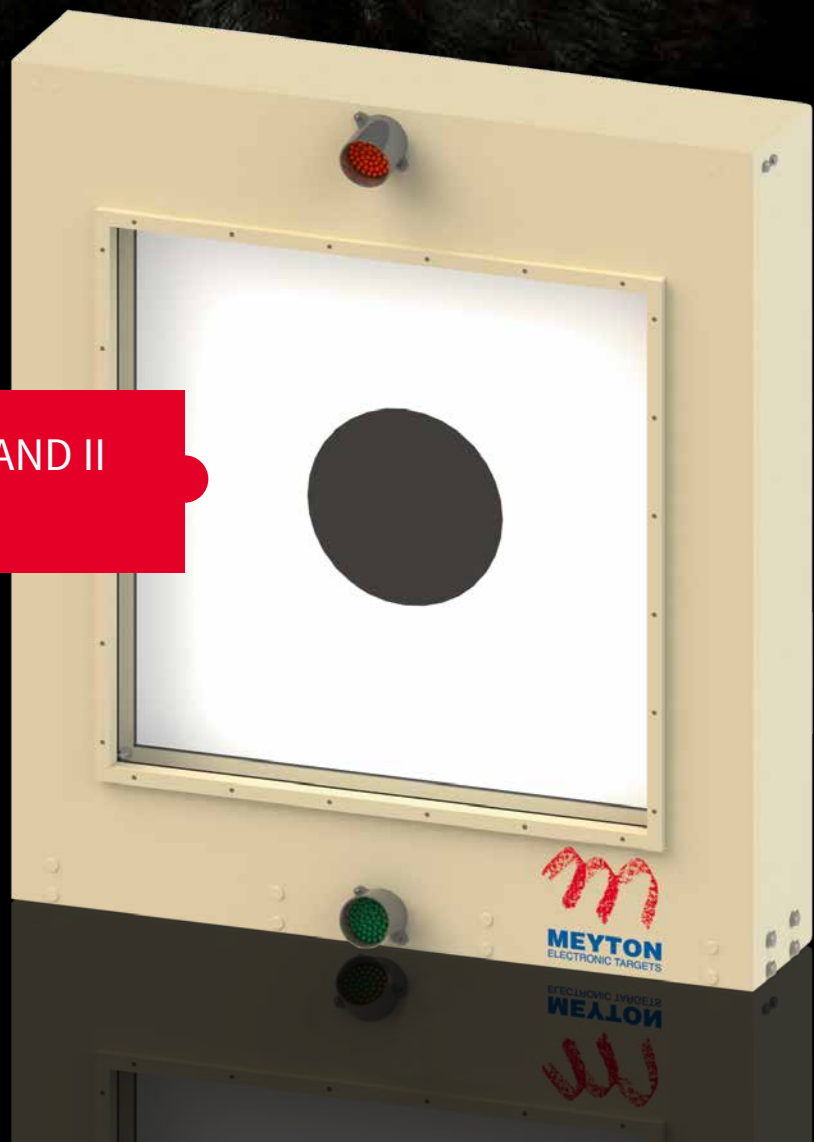


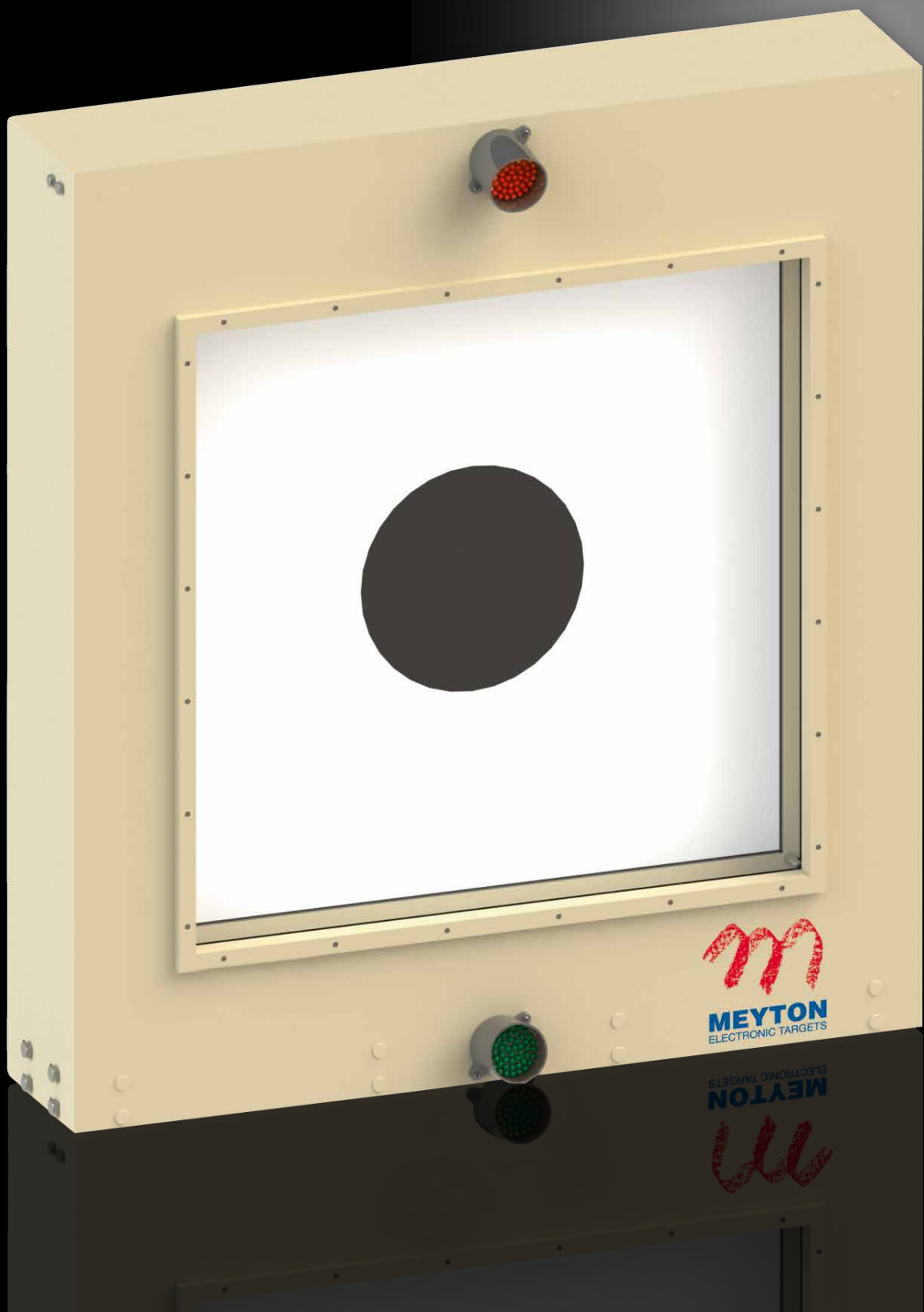
PRECISION
THROUGH INNOVATION –

BLACK MAGIC XL

**NOW ISSF PHASE I AND II
CERTIFIED!**



BLACK MAGIC XL – OPTICAL, ROBUST AND UNIQUE.



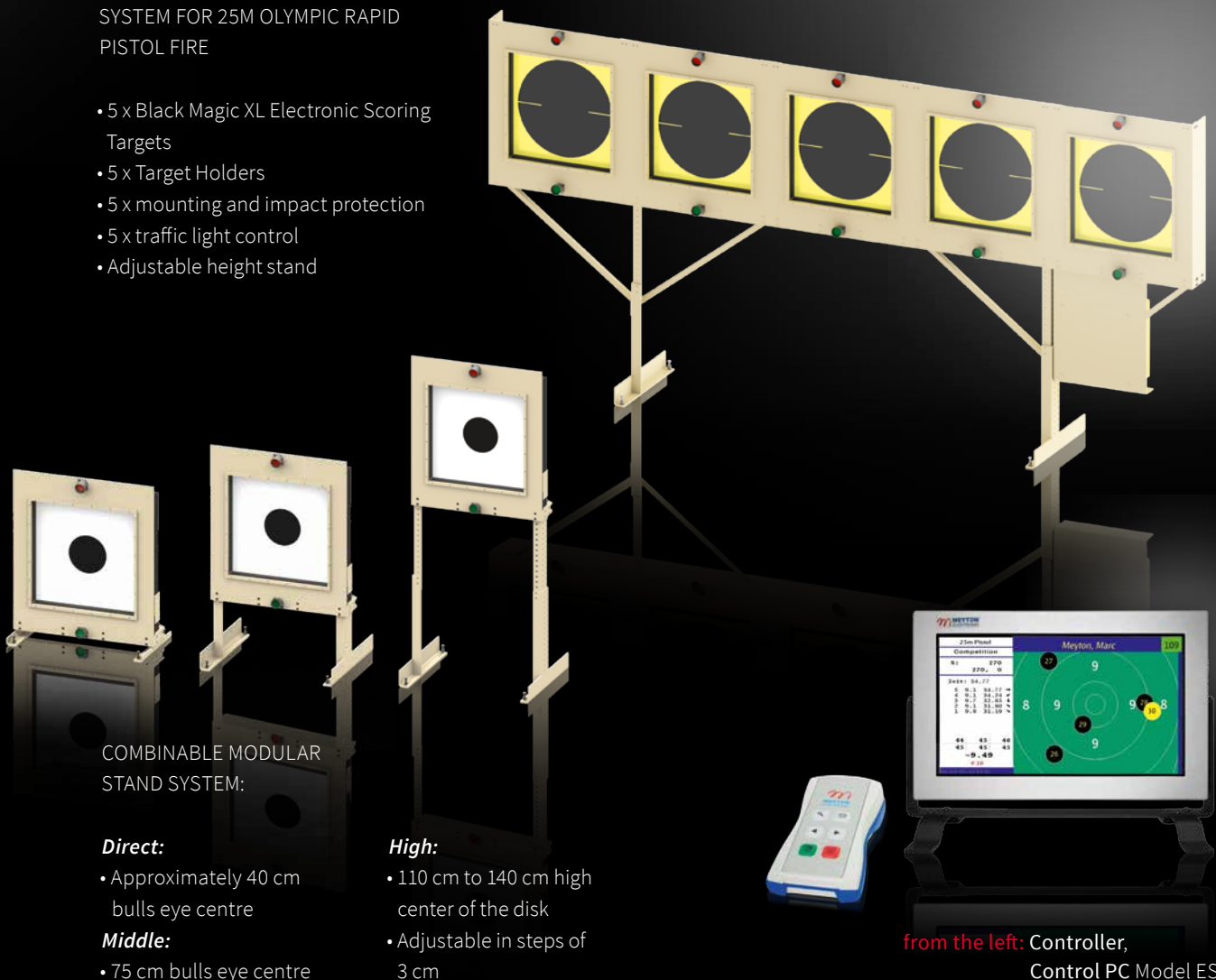
A NEW DEFINITION OF LIGHT MEASURING TECHNIQUES

1. 100% optical system with **26 light triangles** and **768 sensors**.
2. Accurate measurement for **all calibres and disciplines** from **25 m to 100 m**.
3. Ethernet (TCP/IP Communication) **Single-Board Linux Controller**.
4. Robust technology **against dust, splash water, heat and frost**.
5. **Cost effectiveness** through serial component structure manufacturing.
6. **The world's only all-optical measurement framework** for the **Olympic 25 m Rapid Fire Pistol**.
7. **Direct measurement** of projectiles with light barriers.
8. Our measuring targets come with a **2 year guarantee**.



SYSTEM FOR 25M OLYMPIC RAPID PISTOL FIRE

- 5 x Black Magic XL Electronic Scoring Targets
- 5 x Target Holders
- 5 x mounting and impact protection
- 5 x traffic light control
- Adjustable height stand



COMBINABLE MODULAR STAND SYSTEM:

Direct:

- Approximately 40 cm bulls eye centre

Middle:

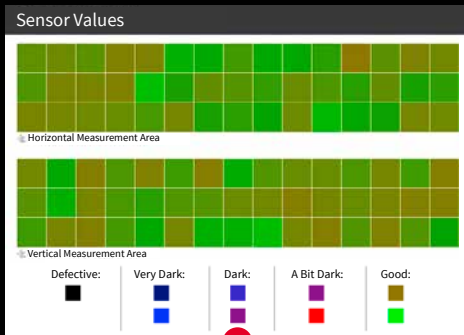
- 75 cm bulls eye centre

High:

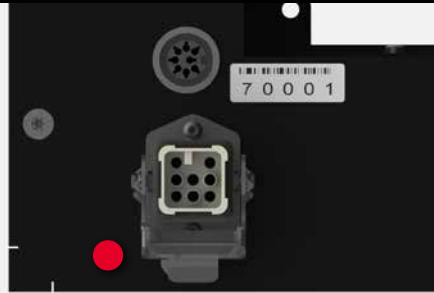
- 110 cm to 140 cm high center of the disk
- Adjustable in steps of 3 cm

from the left: Controller, Control PC Model ESTA Pro

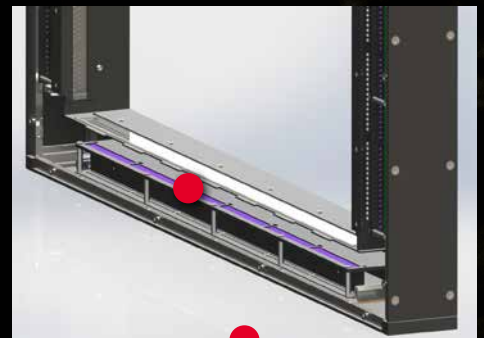
INCREDIBLE ATTENTION TO DETAIL – **BLACK MAGIC XL**



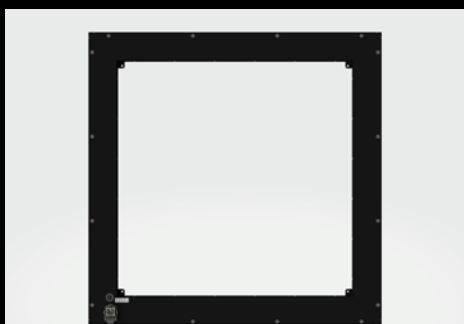
At any given time the **status** of the sensor arrays can be **digitally** retrieved. This maintenance function can be accessed **comfortably** with highest measuring **accuracy** on any connected terminal.



The new robust, moisture-proof **connection plugs** makes the electronic scoring target suitable for outdoor use.



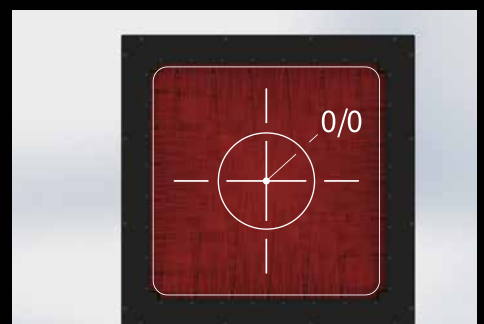
The new filter discs enable **usage under direct sunlight**.



The matt black, non-reflective, **cathode dip-coating** is the perfect combination of scratch resistant, anti-corrosion coating, quality and environmental friendliness.



768 light barriers ensure double precision in the center and constant accuracy.



Vertical and horizontal **stainless steel** light barrier pinholes ensure that the electronic scoring target **doesn't get out of shape**. The absolute centre will always remain at the **same 0.0 spot**.

TECHNICAL INFORMATION

Power supply:	24 Volt, 2 A, DC	Measuring resolution:	1/100 mm or 1784 MegaPixel
Protection class:	IP54 (Dust and Splash Water Proof)	Measuring accuracy:	1/10 mm throughout the complete measuring field
Connection:	C146 for power and LAN	Measuring principle:	Completely contactless, 26 light triangles with 768 sensors, consistent accuracy, no consumables, no moving parts
Ambient temperature:	Operation from -5 °C to +45 °C, Storage from -10 °C to + 85 °C	Certificates:	- The only fully-optical electronic scoring target available on the market for 25 m, 50 m and 100 m disciplines - Worldwide patented ISSF Phase I and II certified technology
Communication:	Ethernet (TCP/IP Communication)		