

EKO-AIMS AND MODERN PENTATHLON

International Union of the Modern Pentathlon (UIPM) made a historical decision in October 2009 to turn into optical shooting instead of air pistols, provided that suitable technology would be available. This is a remarkable step towards a new and safe kind of sport shooting, without traditional firearms.

Eko-Aims has produced camera and IR-light based optical shooting system since 1995. After UIPM decided to look for optical or electronic systems, Eko-Aims developed its only laser-based system. This system includes barrel replacement unit (BRU-2014), **which was homologated by UIPM in December 2011**. It has been used in Senior and Junior World Cups since 2012, London Olympics 2012, the World Championships in 2014, and many other competitions.



Eko-Aims also produces complete laser based pistols (PP300 & PP500) suitable for athletes at all age groups. Pistols, homologated by the **UIPM in February 2014**.

PP300



PP300 is available in fixed weight of 600g 700g or 800g, and is aimed at beginners with very affordable pricing. The basic model is equipped with M-sized universal grip with adjustable support plate. Available in blue color.

PP500



PP500 is the high-end laser pistol for professionals. Adjustable triggering mechanism, micrometric sights, composite grip in universal or righthanded versions. Available colours: blue, grey & orange.



A selection of accessories are also available for PP500; extra barrel and grip weights (grip weights fit only in wood-fiber composite grips), which also allow the adjustment of balance point. Wooden grips in left- or righthanded versions, sizes from S to XL.

TECHNICAL INFORMATION

The core of the product is software in the circuit board with an integrated laser module. This equipment is compatible with the electronic targets approved by the International Modern Pentathlon Union UIPM. The laser beam includes the 15.6ms pulse code required by UIPM from 2014 through to the Rio Olympics. The 25.2ms pulse is also included to ensure maximum compatibility with original officially homologated UIPM competition equipment. To emulate traditional shooting, the pistol has a so called barrel time; the time a bullet would normally take to go through the barrel. This shot delay is 6ms. The shooter should thus take into consideration the same factors as with a normal pistol when pulling the trigger. BRU-2014 L-container includes both UIPM laser codes, the one up to 2013, and the new 2014-code. It is fully compatible with all UIPM homologated lasertargets. Eko-Aims does not produce targets, but is in close co-operation with the French target manufacturer, Simpower. Simpower provided the targets for Modern Pentathlon competitions in the London Olympics 2012, where also Eko-Aims BRU's were used.

Eko-Aims laser products are tested by the Finnish Institute of Occupational Health, fulfilling the demands of the standard EN / IEC 60825-1:2007, and they belong to Laser Class 2. Safety instructions should be read carefully.

At present the BRU-2014 L- container is available for the following air pistol models:

- Steyr LP2 & LP2 Compact, LP 10 & LP 10 Compact, LP 5
 - Anschutz @LP
 - Walther LP 300 XT & Club, LP 200, CP 2, LP 400 ALU & Carbon
 - Hämmerli AP 40, 480
 - Feinwerkbau P 44, P34, P11
 - Morini CM 162
 - SAM mod
 - Pardini K 10
 - Twinmaster
- Other models will be produced upon request.

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