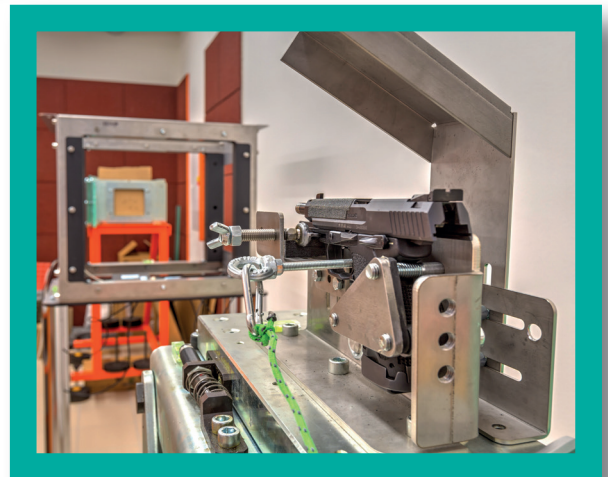


Ballistic Line

SPECIFICATIONS

Ballistic line consists of three basic parts. In the front part there is a stand for attaching the weapon, to which it can be fastened without any modifications using screws and holders. The position of the weapon can be adjusted horizontally and vertically according to the need of target hit by a bullet. After the shot, the bullet passed through optoelectronic gates HS – 02, which provide information about the speed of the flying bullet as it passes through the entrance and exit of the gates. The result is a graphical representation of a graph, that expresses the shading of the receiver against the transmitter in the gate. The last part is a stand for capturing the bullet in the target. After the bullet passes through the tested material it is caught in folded cotton wool or modeling clay. Shooting into such an impact material ensures that the surface of the bullet will not be deformed and the mechanoscopic traces on the surface will not be damaged, thus enabling determination of the identity of the weapon during the identification verification of weapons and ammunition. Due to the size of the collection container, the device is suitable for the operation of small arms of category „B“, i.e. pistols up to calibre 9 mm LUGER (PARA) and revolver up to calibre 357 MAGNUM.



OVERVIEW OF MEASURABLE PARAMETERS / OUTPUT INFORMATION

Determination of velocity and kinetic energy of a bullet. Bullet velocity for calculating the impact energy of the bullet.

TYPES OF SAMPLES SUITABLE FOR ANALYSIS

Pistol bullets up to calibre 9 mm Luger (Para).