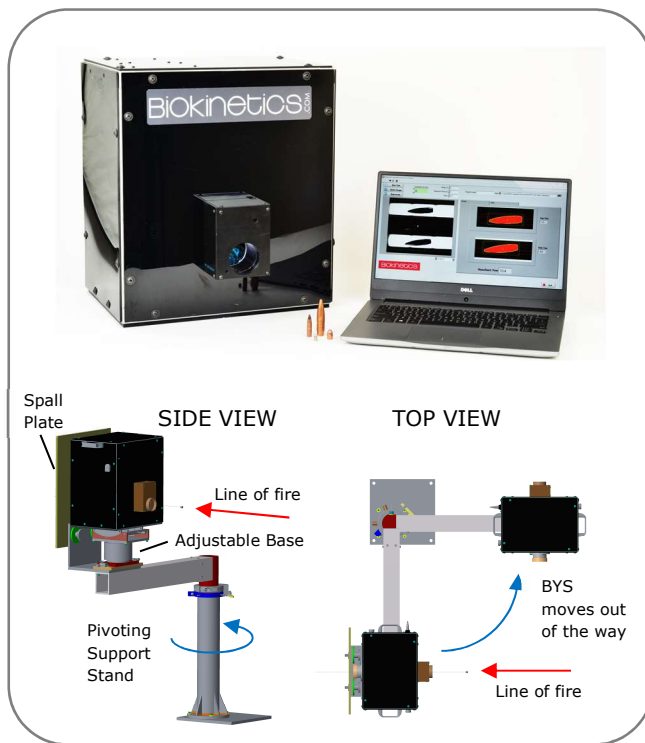


# Ballistics Yaw Sensor with Support Stand

## YAW MEASUREMENT OF BALLISTIC PROJECTILES AND FRAGMENTS



- Measures the yaw angle of bullets and fragment simulating projectiles relative to the line of fire.
- Custom software captures projectile images and calculates yaw angles, computer included.
- BYS measurements taken as close as 10 cm (4 in) from the target.
- Floor mounted support stand for repeatable positioning of BYS and movement away from target area for access.
- Support stand has 4 axes of adjustment and can be used with optional spall protector bracket and plate.
- Certified to traceable standards to comply with ISO quality management practices.

### Specifications

Speed Range:	300-1800 m/s 1000-6000 ft/s	Projectile Speed Selection:	Selectable in steps of 1 m/s
Angular Accuracy:	± 0.5°	Compatible Projectiles:	Fragments: FSP, RCC 17-64 grain Bullets: < 50 caliber
Exposure Time:	>500 ns (1/2,000,000 s)	Light Source:	COB LED
Software:	Ballistic Yaw Sensor Software	Computer and Interface:	Computer (Windows OS) with GigaE adapter
Sensor:	Machine vision CMOS camera, monochrome, 5 Megapixel	Part Numbers:	BYS with adj. base: BYS-001 BYS Support Stand: BYSS-001

### Physical and Electrical

Dimensions:	BYS with adjustable base: W 362 x D 260 x H 587 mm, 22 kg BYS with stand, base and spall plate: W 1035 x D 406 x H 1355 mm, 66 kg.	Placement and Targeting:	Can be placed 10 cm from target. Spall protection may be required. 50 mm (2 in) diameter entry opening.
Alignment:	Integrated alignment gauge requires in-bore laser (laser not provided).	Electrical:	120 VAC @ 60 Hz / 240 VAC @ 50 Hz 100 W max.

### Warranty

All components: 1 year limited

(All specifications are subject to change)