



Tachus 50 ETS

Acoustic scoring for 50 m rifle and free pistol.

Fifty metre shooting in India has grown quickly, and the country has produced top-ranked shooters in the discipline. Electronic scoring at this distance, though, has stayed expensive to install and to keep running.

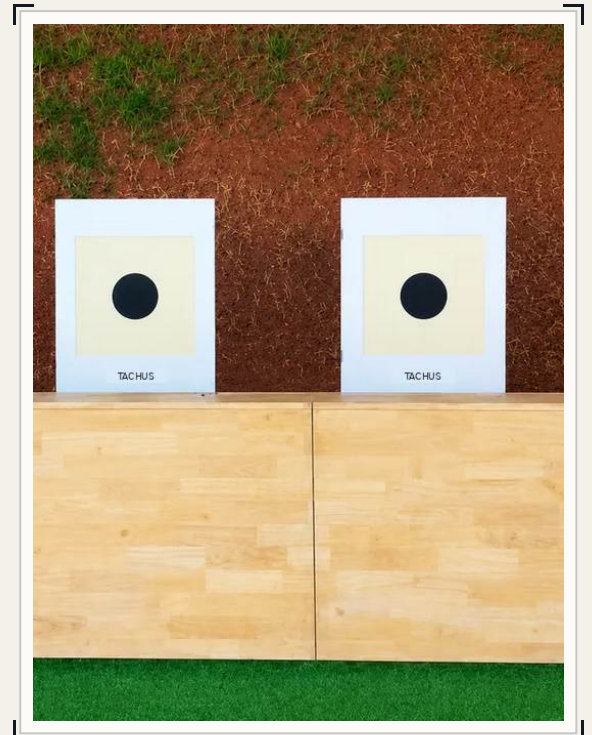
The Tachus 50 ETS was built to change that. It uses the same acoustic detection principle as the rest of the Tachus family, tuned for 50 m ammunition, and connects by cable to a Windows computer at the firing point.

Built for the whole event

50 m rifle in prone and in the three positions, and 50 m free pistol, on the same target unit.

Simpler to put in

Easier to install and to keep up than conventional 50 m electronic targets. Tachus installs on site.



Tachus 50 ETS units on the 50 m target line **Fig. 01**

EVENTS	POSITIONS	DETECTION	WARRANTY
50 m rifle 50 m free pistol	Prone · kneeling standing (3P)	Acoustic sensors Rubber impact medium	2 years Extendable to 8

01

The shot

The bullet passes through a rubber impact medium on the face of the target unit.

02

The sound

Passing through the medium produces sound waves inside the unit.

03

The reading

Acoustic sensors pick the waves up and convert them into electrical signals.

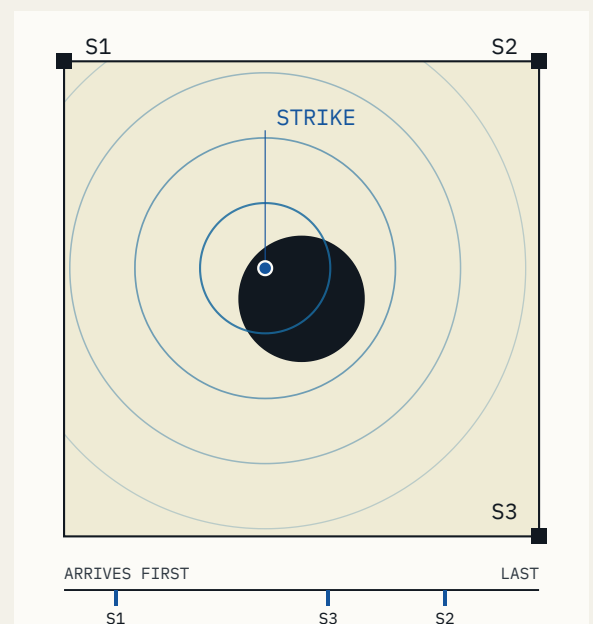
04

The score

The system works out where the shot landed and shows the score in real time.

The score is in the sound.

A shot reaches each sensor at a slightly different moment, and those differences fix its position on the face. No cameras or optics sit on the target line, and there is a single wearing part: the rubber medium.



Schematic of the acoustic principle. Sensor count and placement are illustrative, and the drawing is not to scale. **Fig. 02**

Why ranges choose it

Electronic 50 m, affordably

Electronic scoring at 50 m has been the expensive end of the range. The Tachus 50 ETS was built in India to bring that cost down.

Scores at the firing point

Shot positions and scores appear beside the shooter as the shots land. A session is spent shooting, not reading targets fifty metres away.

Feedback coaches can use

Decimal scores, direction, series and match totals build up through the session, showing a coach where practice time should go.

Who it suits Academies and ranges adding 50 m electronic lanes · Institutions training rifle shooters for 50 m events · Ranges replacing manual 50 m scoring

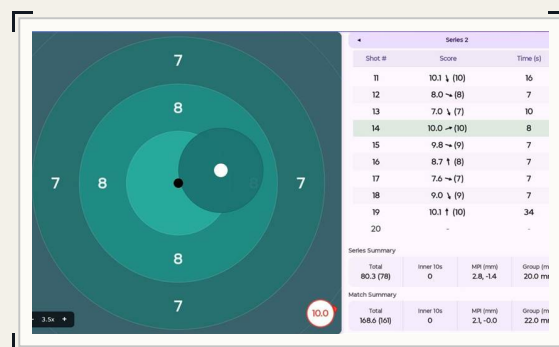
Every shot, on screen, as it lands

Each unit runs by cable to a Windows laptop or PC at the firing point. The shot appears the moment it lands: where it struck the face, its decimal score and direction, and the running series and match totals. Pinch zoom lets a shooter study a group closely.

Every Tachus system also includes an Android application, optimized for tablets in portrait orientation.

Made for 3 Positions training

The Tachus 50 ETS includes the Tachus 50 3P applications for Windows and Android, for training across the kneeling, prone and standing positions used in the 50 m Rifle 3 Positions event.



The scoring application on a lane tablet

Fig. 03

Installed and serviced by us

A mounting stand comes with the system and Tachus installs it on site. After-sales support covers maintenance, hardware and software installation and updates, by phone and WhatsApp from Bengaluru, Monday to Friday, 11:00 AM to 7:00 PM.

Specifications

DISTANCE	50 m
EVENTS	50 m rifle, prone and 3 positions; 50 m free pistol (compliant with ISSF rules and regulations)
DETECTION	Acoustic sensors with rubber impact medium
SCORE DISPLAY	Real-time decimal scores with direction
REPORTS	Series and match totals
CONNECTION	Wired; 60 m shielded cable, RS485 adapter
APPLICATIONS	Windows scoring software; Android tablet application (portrait orientation)

Warranty and upkeep

Every Tachus 50 ETS carries a two-year warranty, extendable up to eight years. Upkeep is simple: the rubber impact medium is replaced as it wears, and there are no optics on the target line to keep clean.

3P TRAINING	Tachus 50 3P applications for Windows and Android
MOUNTING	Stand supplied
FRONT DOOR	5 mm coated metal
RANGE SIGNALS	Switch for traffic lights
POWER	12 V adapter; SMPS unit, 24 V · 3.2 A · 75 W
MAINTENANCE	Replace the rubber impact medium as it wears
WARRANTY	2 years, extendable up to 8 years

Ask for a quotation, or tell us about the 50 m line you are planning.

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Also in the range: Tachus 10 ETS · 10 m air rifle and air pistol / Tachus 25 ETS · 25 m sports and standard pistol events / Tachus 50/10 ETS · 50 m and 10 m in one unit, converts in about ten minutes