
LUTHVAR

PERFORMANCE TECHNOLOGY

Intelligent tools for speed, force,
strength feedback and athlete testing.

PROFESSIONAL EQUIPMENT / PROJECT SUPPLY

2026 / PRODUCT OVERVIEW

Equipment imagery is illustrative; not a project installation.



THE PROGRAMME

Train with data. Decide with confidence.

Digital equipment is useful only when it supports a clear coaching question. LUTHVAR brings together sprint training, vertical-force testing, bar-speed measurement and timing within a coherent supply programme.

01 SELECT THE TEST

02 MATCH THE DEVICE

03 VERIFY THE SETUP



ILLUSTRATIVE ATHLETE TIMING ENVIRONMENT

Choose the measurement or training requirement first. Model and package details remain subject to the confirmed project specification.



01
SPRINT TRAINER
POWERED RESISTANCE



02
SPRINT TRAINER MINI
COMPACT SPEED



03
VELOCITY-BASED TRAINING
STRENGTH FEEDBACK



04
PORTABLE FORCE PLATES
VERTICAL FORCE TESTING



05
ATHLETE TIMING
DIGITAL SPEED TESTING

01 SPRINT TRAINER



EQUIPMENT CLOSE-UP



ILLUSTRATIVE APPLICATION / HARDWARE SHOWN FOR SCALE

RESISTANCE & ASSISTANCE

Sprint Trainer

Purpose-built powered sprint resistance and assisted-speed sessions for coached athlete programmes.

TECHNICAL OVERVIEW		MODEL T120
SAMPLING FREQUENCY	1,000 Hz	
FORCE: SINGLE / DOUBLED	15 kg / 30 kg maximum	
OPERATING SPEED	0.1-14 m/s	
MAXIMUM ROPE LENGTH	100 m	
UNIT DIMENSIONS	965 x 396 x 182 mm	
UNIT WEIGHT	32 kg	
POWER SUPPLY	220 V AC, 50/60 Hz; 1,500 W max	

REVIEW BEFORE SPECIFYING

Manufacturer-approved restraint and an assisted-sprint safety procedure are still required before a final installation specification.

COMPACT SPEED TRAINING

Sprint Trainer Mini

A portable format for supervised resistance, assistance and repeatable speed-development sessions.

TECHNICAL OVERVIEW

MODEL T122

FORCE: SINGLE / DOUBLED	10 kg / 20 kg maximum
OPERATING SPEED	0.1-14 m/s
MAXIMUM ROPE LENGTH	190 m (manual value; confirm model)
UNIT DIMENSIONS	342 x 295 x 275 mm
BARE UNIT WEIGHT	16 kg
TRANSPORT CASE WEIGHT	39 kg
POWER SUPPLY	220 V AC, 50/60 Hz; 1,500 W max

REVIEW BEFORE SPECIFYING

The manual describes shorter permitted operating durations at high loads. Approved restraint and oversight remain necessary.

MANUFACTURER: ELIGA SPORTS TECHNOLOGY / REF. T122

02 SPRINT TRAINER MINI



COMPACT SPEED

Complete device and athlete are visible. Operating duration and securing method require project review.

ILLUSTRATIVE APPLICATION / EXACT MODEL SUBJECT TO REVIEW

03 VELOCITY-BASED TRAINING



STRENGTH FEEDBACK

Coached barbell velocity monitoring with model-specific measurement evidence and compatible exercises.

ILLUSTRATIVE APPLICATION / EXACT MODEL SUBJECT TO REVIEW

STRENGTH FEEDBACK

Velocity-Based Training

Introduce bar-speed feedback into strength and conditioning programmes without replacing the wider training environment.

TECHNICAL OVERVIEW		MODEL T130
EQUIPMENT CATEGORY	Velocity-based training (VBT)	
STATED MEASUREMENT DISTANCE	2.7 m - definition to confirm	
PRIMARY APPLICATION	Strength coaching and movement feedback	
VALIDATION EVIDENCE	Model-specific evidence requested	

REVIEW BEFORE SPECIFYING

Range definition, supported movements, accuracy and calibration require further manufacturer documentation.

MANUFACTURER: ELIGA SPORTS TECHNOLOGY / REF. T130

JUMP & FORCE ASSESSMENT

Portable Force Plates

Paired portable force plates for jump assessment and measurable vertical-force performance.

TECHNICAL OVERVIEW

MODEL T137

MEASUREMENT DIRECTION	Vertical force only
PACKAGE	2 plates, transport case, protective frame
COMPLETE PACKAGE WEIGHT	36 kg
DATA EXPORT	XLSX via PAMFA; sample received
MULTI-AXIS FORCE MEASUREMENT	Not supported

REVIEW BEFORE SPECIFYING

Test protocols, calibration and derived calculations still require model-specific confirmation. Facility manages athlete data obligations.

MANUFACTURER: ELIGA SPORTS TECHNOLOGY / REF. T137

04 PORTABLE FORCE PLATES



VERTICAL FORCE

Dual plates displayed in full for jump and vertical-force testing. Measurement is vertical only.

ILLUSTRATIVE APPLICATION / EXACT MODEL SUBJECT TO REVIEW

05 ATHLETE TIMING



SPEED & TIMING

The timing stations, tripods, operator and sprint pathway remain visible in the demonstration scene.

ILLUSTRATIVE APPLICATION / EXACT MODEL SUBJECT TO REVIEW

SPEED & TIMING

Athlete Timing System

An integrated timing path for repeatable sprint and athlete-performance sessions, with a touchscreen controller.

TECHNICAL OVERVIEW		MODEL T139
INCLUDED DISPLAY	12-inch touchscreen	
EQUIPMENT CATEGORY	Digital athlete timing	
GATE / SENSOR PACKAGE	Confirm exact system configuration	
TIMING ACCURACY	Validation / resolution to confirm	
CONNECTION AND OPERATING RANGE	Verify for each project	

REVIEW BEFORE SPECIFYING

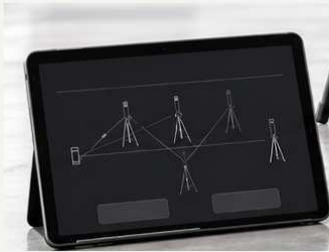
Do not assume federation certification, gate count or wireless range before the manufacturer issues exact supporting documents.

MANUFACTURER: ELIGA SPORTS TECHNOLOGY / REF. T139

DATA + PRESENTATION

Measure once. Review intelligently.

A practical route from athlete tests to data exports and facility displays, with responsibility for hosting and athlete information agreed before installation.



APPROVED ILLUSTRATIVE INTERFACE - NOT A PAMFA SCREENSHOT

PLATFORM REFERENCE: PAMFA / MANUFACTURER: ELIGA

01 CAPTURE

Device-specific athlete testing and coaching sessions.

02 EXPORT

XLSX output supported; T137 example reviewed.

03 PRESENT

External large-screen presentation confirmed by manufacturer.

04 PROTECT

Hosting, fees, data handling and secure access set by project.

PROJECT APPLICATIONS

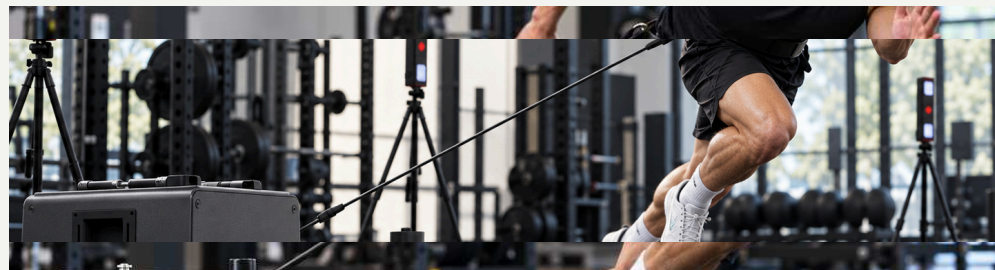
A facility programme, built to fit.

These are scoping pathways, not fixed bundles. Final models, accessories, software responsibilities, operator procedures and delivery requirements are defined for each project.



UNIVERSITY PERFORMANCE LAB

Vertical-force testing, timing and bar-speed feedback.



ELITE SPRINT DEVELOPMENT

Powered sprint training with dedicated timing systems.



STRENGTH & CONDITIONING

Velocity feedback and force testing alongside TORVYR systems.



PORTABLE ATHLETE TESTING

Compact, transportable devices configured to the required test.

SCOPE FIRST / VERIFY SAFETY & SOFTWARE / THEN CONFIRM QUOTATION

— HOW A PROJECT MOVES FORWARD

From test requirement to supply.

We confirm the scope of supply, while site suitability, athlete safety, data responsibilities and local installation are assessed by the appointed project team.

01

DEFINE

Which athletes, tests and coaching decisions?

02

SELECT

Correct hardware, measurements and accessories.

03

VALIDATE

Check manufacturer evidence, safe operation and IT.

04

SUPPLY

Confirm commercial quotation, freight and spares.

CONFIRMED NOW

Product families, manuals, core specifications, T137 XLSX sample and external display capability.

REQUIRES PROJECT REVIEW

Equipment configuration, location, local electrical compliance, operator training and athlete privacy.

MANUFACTURER FOLLOW-UP

Sprint anchoring, accuracy / calibration, PAMFA terms, exact sensor packages and urgent spare-part policy.

SUPPLY ONLY

Apollo NZ Global supplies project equipment. Installation, professional engineering, commissioning, software hosting and local compliance are not automatically included.

LUTHVAR

BUILD THE NEXT PERFORMANCE ENVIRONMENT.

Choose the training programme, performance tests and operating context. We will help define a responsible equipment-supply quotation.

PROJECT ENQUIRIES

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apollonzglobal.com

