

Static Motorcycle Riding Simulator

Motorcycle controls, rider-induced $\pm 5^{\circ}$ lateral lean and a 40-inch display provide an indoor environment for basic control practice and riding instruction.



Learn the riding position and operating procedures before real riding, as a supplement to real-vehicle training.

Display system
40-inch flat-panel television

Product form
Static

Vehicle class
Motorcycle

Net equipment weight
Approx. 125 kg

Photographs and software screens illustrate configurations; the final delivery scope is defined by the confirmed order.

Product overview

Reduce basic-training consumption

Move basic familiarisation and repetitive practice indoors to reduce fuel use and demand on real training motorcycles.

Prepare learners before real driving

Beginners can learn handlebar, hand and foot controls before real riding, easing their first experience with the controls.

Road observation and scenario teaching

Town, city, motorway, snow and mountain scenarios, plus recorded night riding, support road observation and adaptation to different environments.

Induction and refresher training

Support progressive lessons for new riders and control refreshers for experienced riders, with courses organised to training requirements.

Train indoors, independent of weather

Organise demonstrations and basic practice indoors, reducing the impact of weather, facilities and vehicle availability.

Support consistent instruction

Support consistent basic teaching for transport operators and colleges; vehicle types, scoring and reports depend on the delivered software.

Safety awareness and response practice

Use simulated riding to explain observation and correct operation. Dedicated hazard, fault and emergency exercises require confirmation for the delivered software.

Flexible training schedules

Reduce dependence on outdoor facilities and motorcycle schedules for demonstrations, group teaching and repeated practice.

Standard hardware and options

Motorcycle body and seat	Standard equipment × 1
Handlebar, levers and combination switches	Standard equipment × 1
Foot controls and footrests	Standard equipment × 1
Physical instrument cluster (appearance only) and ignition	Standard equipment × 1
40-inch flat-panel television	Standard equipment × 1
Computer, audio and control equipment	Standard equipment × 1
Static base and display stand	Standard equipment × 1
Rider-induced lateral lean	±5°

Standard hardware configuration

All listed hardware is standard, one of each. Real motorcycle controls operate like those on a motorcycle, with a similar feel. The physical instrument cluster is cosmetic and does not display readings. The rider can lean the body ±5° laterally; see specifications for computer and power details.

Software features

Combine manoeuvres, road scenarios and results for progressive riding lessons. Supplied software screens are shown below; click to see the full originals.

Manoeuvring practice

Starting and stopping, gates, manhole avoidance, uneven roads, figure-eight routes and gear changes provide structured basic control practice.

Road scenario training

Road menus include town, city, motorway, snow and mountain scenarios for observation and correct riding practice.

First- and third-person views

Gate and mountain exercises show different viewpoints for riding vision and the motorcycle's position on the road.

Control-state display

The screen shows clutch, brake, front brake and throttle states, plus speed, engine speed, gear and training time.

Live error prompts

Road screens show prompts such as engine stalling to support discussion of operating errors during practice.

Scores and exercise statistics

Results include training time, distance, score and counts for stalling, red lights, solid-line crossings, collisions, harsh acceleration and sudden stops.

Result output

A print control is provided. Printer setup, result storage, history and file export are confirmed for the project.

Language and display settings

One language is preinstalled: English, Arabic, Spanish, Romanian or Ukrainian, selected when ordering. Settings include language, volume, display and calibration controls.

This page shows only a selection of software features and interfaces. Features may be added or modified in future software versions. The delivered software version and feature set are subject to the order confirmation.

Training entry and exercise selection

Manoeuvres and road riding

Training results

Optional extensions

Instructor workstation

Instructor workstation available by project; hardware, management functions and terminal capacity are confirmed per order.

Technical specifications

Product specifications Configuration and order-dependent details	
Product models	YSL-MOT-S40-V1
Vehicle class	Motorcycle
Product form	✓ Static Dynamic Static:No active motion platform; the rider can manually lean the body $\pm 5^\circ$ laterally.Dynamic:Motion-platform feedback is not included in this model's confirmed configuration.
Body lean	Rider-induced lateral lean $\pm 5^\circ$; not motor-driven or active motion feedback
Display system	One 40-inch flat-panel TV; resolution 1920 × 1080 (Full HD)
Standard colour	Blue + black as photographed; standard colours and custom options are confirmed with the order
Overall dimensions	Body-base reference dimensions: length 1500 × width 1000 mm. Overall footprint including the 40-inch TV stand: 1930 × 1000 × 1770 mm (L × W × H). Standard equipment is a single 40-inch screen; the preceding dimensions refer to the base only.
Net equipment weight	Approx. 125 kg
Packing dimensions / gross weight	Wooden crate approx. 1650 × 1200 × 1420 mm (L × W × H); gross weight approx. 240 kg; one crate
Power supply and maximum consumption	Standard input: AC 220 V ($\pm 10\%$), 50 Hz, 600 W Power input can be adapted to local supply standards, including AC 110 V. Voltage and frequency must be agreed at order confirmation and recorded in the final specification.

Computer configuration	Intel Core i5-6500; Gigabyte H110M-S2PH; GTX 1660 6 GB; 8 GB RAM; 128 GB SSD Reference configuration. Brands or models may change with availability; replacements will provide equivalent or better performance, subject to the final order specification.
Pre-installed software language	One software interface language is preinstalled: English, Arabic, Spanish, Romanian or Ukrainian. Select the language at order confirmation.
Gear control	Real motorcycle foot-operated gear controls, operated like a motorcycle; 5 gears
Physical controls	Handlebar, levers, switches, ignition and foot controls use real motorcycle components, with motorcycle-style operation and a similar feel. The physical instrument cluster is cosmetic and does not display readings; speed, engine speed and gear are shown in the software.
Operating environment	0–35 °C; 20%–80% RH, non-condensing
Optional extensions Not included as standard; confirmed by project	
Instructor workstationOptional	Instructor workstation available by project; hardware, management functions and terminal capacity are confirmed for each order
VR headsetOptional	VR headset and display solutions available by project; models, software compatibility and scope are confirmed for the application
Software customisationOptional	Software customisation available; features, lead time and cost are agreed for each project

Delivery and support

Production lead time

Production lead time and starting conditions are confirmed with the order.

Export packing

One export wooden crate per unit; see the specifications for packed dimensions and gross weight.

Factory testing

Software, hardware and system test scope is agreed with the order.

Installation and training

Installation method, manuals and training support are confirmed with the order.

Warranty and upgrades

One-year hardware warranty. Standard new software features may be upgraded free of charge; confirm applicable conditions with sales.

Remote diagnostics

Remote assistance and any on-site service requirements are confirmed with the order.

Project enquiries

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