



RU RACING
UNLEASHED



SIMULATOR RANGE 2023

Racing Unleashed

“We want to make motorsport sustainable, safe and accessible to everyone.”

Francisco Fernandez
Founder & CEO, Racing Unleashed



OUR VISION

We're establishing a global eSport ecosystem, standing at the pinnacle of virtual racing. Our core focus is on engaging drivers, sponsors, and fans by crafting an immersive, unique, and interactive eRacing experience.

Through a blend of professional racing and strong brand partnerships, we're driving a new era of entertainment. For our drivers, we are creating alternative career paths to enter the world of motor sports by providing them the opportunity to make a living both on the digital and physical racetrack.

As we build our global network of franchise racing lounges and produce world-class simulators, our focus remains on delivering thrilling racing competitions and harnessing customer data for an unparalleled vertically integrated experience.

Our journey is fueled by the rising global popularity of eSports and racing, and we're uniquely positioned to ride this wave, unlocking untapped opportunities in the fastest-growing sport worldwide.



The Formula Simulator

Video clip:



SPECIFICATIONS

Formula style racing simulator for racing lounges, amateur and professional racers. Developed and manufactured in Maranello, the Motor Valley of Italy.

Simulator type	Monoposto
Dimensions (W x L x H)	3 x 3 x 1.4 m
Weight	250 kg
Motion system	3 DOF (pitch, roll, yaw axes), proprietary system with electromechanical actuators
Display system	Triple screen 3 x 46" HD, 60 Hz refresh rate, 120 degrees field-of-view, optional VR headset
Steering system	Direct drive, 25 Nm maximum torque, 8 Nm/ms torque ramp
Steering wheel	Carbon fibre construction, magnetic shift paddles, integrated LED display
Pedals	Adjustable pedals. Brake with hydraulic circuit with single piston caliper, spring loaded accelerator pedal
Audio system	Integrated speakers, headphones
Control interface	External keyboard with touchpad / tablet
Seatbelts	5-point harness with seatbelt actuators for g-force emulation
Simulation software	Assetto Corsa Pro, additional titles upon request

CUSTOMIZATION OPTIONS

- Exterior paint and livery according to customer specification
- Virtual vehicle model and livery
- Custom race tracks and advertisements
- Multiplayer server with operation by tablet



The GT Simulator

Video clip:



SPECIFICATIONS

The driving simulator dedicated to GT and sports car sim racing. Exterior design by Italian coachbuilder with integrated LED matrix lights.

Simulator type	GT / sports car
Dimensions (W x L x H)	1.2 x 3 x 1.4 m
Weight	220 kg
Motion system	3 DOF (pitch, roll, yaw axes), proprietary system with electromechanical actuators
Display system	Single ultrawide screen 49" or 57", 120-240 Hz refresh rate, optional VR headset
Steering system	Direct drive, 25 Nm maximum torque, 8 Nm/ms torque ramp
Steering wheel	Carbon fibre, magnetic shift paddles, integrated LED display
Brake system	Adjustable 2 or 3 pedal setup. Multistage spring or electromechanical pedals, ABS force feedback
Audio system	Integrated speakers, headphones
Control interface	Integrated touch pad
Seatbelts	5-point harness with seatbelt actuators for g-force emulation
Simulation software	Assetto Corsa Pro, Assetto Corsa Competizione, rFactor 2, additional titles upon request

CUSTOMIZATION OPTIONS

- Exterior paint and livery, interior trim according to customer specification
- Manual H-pattern shifter, clutch pedal, electromechanical pedals
- Virtual vehicle model and livery
- Custom race tracks and advertisements
- Multiplayer server with operation by tablet



The Pagani Huayra R Simulator

Video clip:



SPECIFICATIONS

Designed and commissioned by Pagani Automobile, engineered and manufactured by Racing Unleashed. A simulator as a professional training tool for the most beautiful and uncompromising hypercar of our generation.

Simulator type	Pagani Huayra R Simulator
Dimensions (W x L x H)	1.2 x 3 x 1.4 m
Weight	290 kg
Motion system	3 DOF (pitch, roll, yaw axes), proprietary system with electromechanical actuators
Display system	Single ultrawide screen 49", 120 Hz refresh rate, optional VR headset
Steering system	Direct drive, 20 Nm maximum torque
Steering wheel	As in the actual car, magnetic shift paddles
Brake system	Adjustable 2 pedal setup as in the actual car. Multistage spring, ABS force feedback
Audio system	Integrated speakers, headphones
Control interface	Integrated touch pad
Seatbelts	5-point harness with seatbelt actuators for g-force emulation
Simulation software	Assetto Corsa Pro with custom user interface. Integrated telemetry, online coaching and multiplayer functionality

CUSTOMIZATION OPTIONS

- Exterior paint and livery, virtual car model and livery according to actual customer car specification



Made in Maranello



FROM THE HEART OF THE MOTOR VALLEY

Located in the picturesque landscape of Italy's Motor Valley, the Racing Unleashed R&D and production facility in Maranello stands as a symbol of passion and innovation.

Research & Development

At Racing Unleashed Maranello, our mission is to provide our customers with the most realistic and immersive driving experience in our racing simulators. To achieve this, our engineers have full control over all aspects of simulator hardware and software development.

At the core of all Racing Unleashed simulators is our proprietary 3DOF motion system that provides the driver with the necessary motion cues to "feel" the car and ultimately allow the driver to approach the limits of the car on track. Equally important for a realistic driving experience are the steering system with high resolution force feedback and the pedal box where Racing Unleashed offers a range of technical solutions specific to the application.

Manufacturing

We are proud that all simulators are hand-assembled by our experienced and dedicated technicians in Maranello. This allows us to guarantee the highest quality possible whilst keeping the flexibility for customization of the simulators according to customer specification.

Aftermarket Support

The customer journey does not end after the simulator is delivered and installed. Regular maintenance visits are performed to ensure that our customers are able to enjoy their racing simulators for years to come. Thanks to a modular design approach, our simulators are future-proof and ready to be upgraded upon customer request.



CONTACT

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