



FORMULA SIM 6-DOF  
FORMULA SIM 6-DOF  
ROLLERCOASTER  
FLIGHT SIMULATOR  
FLIGHT SIMULATOR

# About Us



ARCSIM was founded in 2005 by a team of gaming enthusiasts who wants to transform their experience into manufacturing.

The company started its venture with manufacturing static simulators for racing games. With its work discipline and quality production, ARCSIM became one of the top companies in Turkey for the field in a short time.

Successfully adapting its own manufactured motion systems into racing simulators, the company started exporting Formula 1 simulators to different parts of the world. Developing "its own ARCSIM SOFTWARE" for full motion mechanisms the team achieved the most realistic racing feeling with the simulators. Attending numbers of exhibitions and organisations all around. ARCSIM company gained a respectful place in the world market. Expanding R&D studies continuously brought one more achievement to ARCSIM team and they developed Flight & Roller Coaster simulator and Sky Diving simulator.

Today, ARCSIM is not only a significant manufacturer but also a technology supplier for many players in the gaming and simulation sector. The company considers the customer satisfaction and giving the best to the users as the main goal. Thanks to its dynamic, experienced team ARCSIM generated a wide customer network in Europe, America, North Africa and Asia-Pacific.

ARCSIM designs builds and integrates its own simulation systems and the company offers customized production according to the customers needs and requirements. Once the system is installed customers are always supported with remote online inspections, maintenance visits. Above all, ARCSIM team is available 7/24 for any queries and assistance.

## Rental

ARCSIM also rents its racing simulator systems for promotional, entertainment and advertisement events.

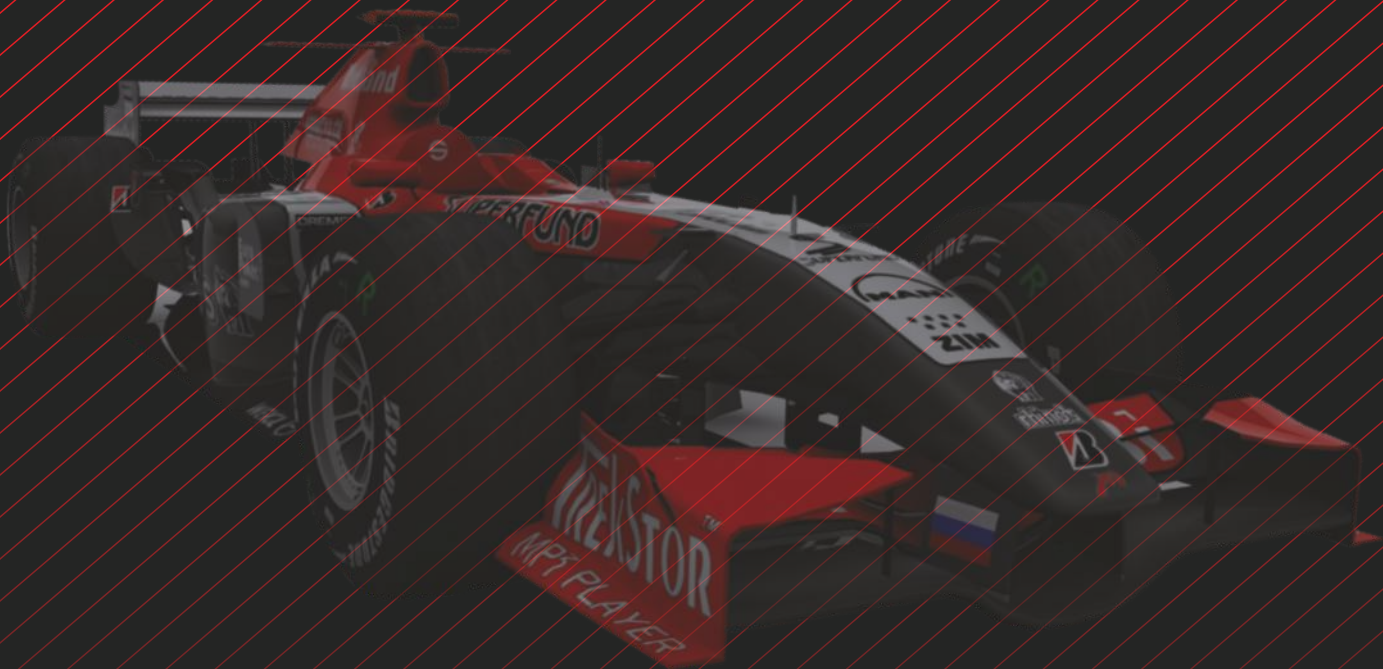
## Why ARCSIM Simulators

- The most realistic Formula 1 Car look manufactured in accordance with original F1 cars - Easy to transport and lighter than many other manufacturers' products thanks to its own unique production method.
- High quality 5+1 sound system
- Attractive and aesthetically unique external designs
- Original F1 style Force Feedback steering wheel system
- Ideal and original F1 seating position for the drivers with different height
- Adjustable pedals with a simple electronic system managed by a button next to the driver
- 3 monitor system to maximize the visibility Providing an interactive motion system with special ARCSIM SOFTWARE instead of simple steering wheel driven ones.



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# HEXAPOD

6DOF FULL MOTION FORMULA SIMULATOR



ARC FULLSIZE  
MOTION



## GENERAL FEATURES

- » Designed to give the most realistic feeling of racing
- » 3 monitor system to maximize the visibility
- » Full Motion platform system for realistic G-Force simulation
- » Gives the Feeling of the motor vibration, car acceleration & brake, turns, tires suspensions and even car hit
- » Premium quality 5.1 surround sound system
- » Supports more than three Games rFactor, Dirt 3 and F1 2013/2014.
- » Professional Sport cars seat (Sparco seat) with seatbelt
- » Zero lag (no-delay) between the game itself and motion provided thanks to our special software
- » Able to receive replica full size or half size F1 car
- » Easy installation less than one hour
- » For indoor and outdoor
- » Emergency Stop button for safe riding and operation
- » All the above mentioned parts are guarantee for 2 years
- » Can be operated by only one person.
- » For indoor and outdoor





## TECHNICAL FEATURES



Dimensions	Static: 2,3m/2m/2,3m
	Moving: 6m/4m/3m
Weight	Gross: 180kg
	M2/Kg: 6kg
Voltage and Amperage	380W 16A 3 phase power
Video	3 units LED Full HD 32" 3D TVs
Sound	High quality 5.1 sound system (150W)
Steering Wheel	Professional Force Feedback steering wheel System (Sparco Wheel or Thrust Master Wheel)
Pedal Set	100% made of metal with real stiffness professional pedals. Adjustable Pedals with realistic pressure
DOF	6 Degrees of Freedom



# FULL SIZE

## FORMULA SHOW CAR & STATIC SIMULATOR



ARC FULLSIZE  
STATIC



## GENERAL FEATURES

- » Full size F1 car simulator / Show Car - Replica Car
- » Made of high quality Fiberglass
- » 3 monitor system to maximize the visuality (optional)
- » Premium quality 5.1 surround sound system (optional)
- » Supports two games Codemaster F1 games and rFactor (optional)
- » Easy to transport with 2 electrical or manual forklifts
- » Can be operated by only one person.
- » Easy installation less than one hour
- » For indoor and outdoor
- » All the above mentioned parts are in guarantee for 1 year
- » Very interesting product with its low budget





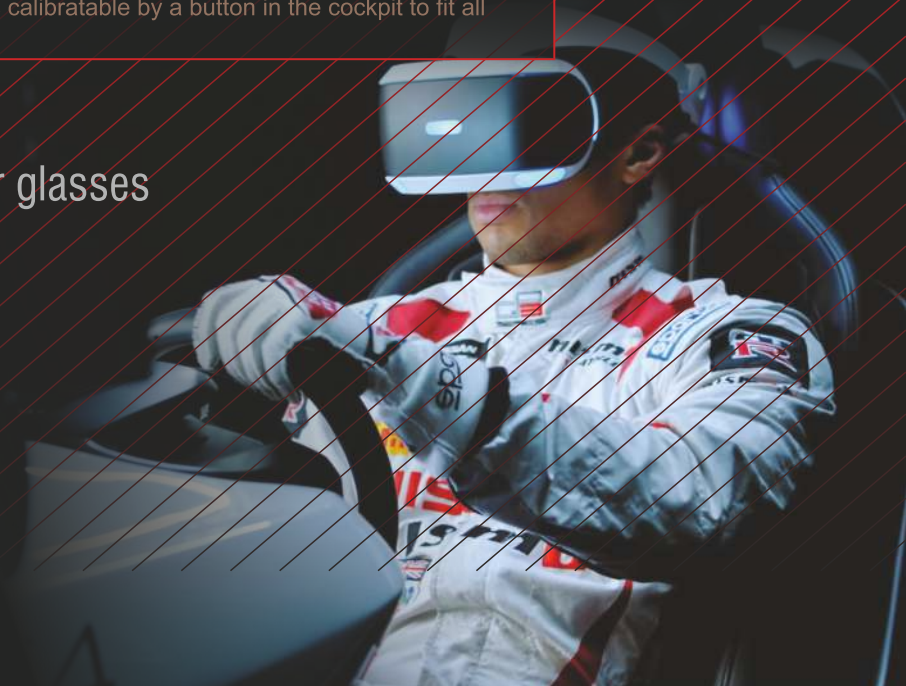
## TECHNICAL FEATURES



Dimensions	5m/2m/1,25m
Weight	Gross: 225kgs (300kgs for Static Simulator)
Voltage and Amperage (optional)	220W 16A 1 phase power
Video (optional)	3 units LED Full HD 23,5" 3D TVs (optional 32")
Sound (optional)	High quality 5.1 sound system (150W)
Steering Wheel (optional)	100% made of metal force feedback steering system with Ferrari Thrustmaster steering wheel
Pedal Set (optional)	100% made of metal with real stiffness professional pedals. Adjustable Pedals with realistic pressure
	Pedals position is calibratable by a button in the cockpit to fit all people

## VR GLASSES

Experience Formula Games with vr glasses



# FORMULA

## FORMULA STATIC SIMULATOR



ARC FULLSIZE  
STATIC



## GENERAL FEATURES

- » Full size F1 car simulator
- » Made of high quality Fiberglass
- » Three electrical actuators driven by high quality servo motors
- » Zero lag (no-delay) between the game itself and motion provided thanks to our
- » special software
- » Supports two games Codemaster F1 games and rFactor
- » Operation timer and counter.
- » 3 monitor system to maximize the visibility
- » Full Motion platform system for realistic G-Force simulation
- » Premium quality 5.1 surround sound system
- » Easy installation less than one hour
- » For indoor and outdoor
- » Emergency Stop button for safe riding and operation
- » Easy to transport with 2 electrical or manual forklifts
- » Can be operated by only one person.
- » All the above mentioned parts are guarantee for 1 years
- » Very interesting product with its low budget





# TECHNICAL FEATURES

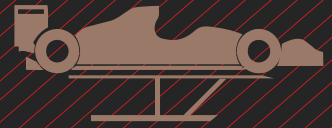


Dimensions	5m/2m/1,25m
Weight	Gross: 225kgs (300kgs for Static Simulator)
Voltage and Amperage (optional)	220W 16A 1 phase power
Video (optional)	3 units LED Full HD 23,5" 3D TVs (optional 32")
Sound (optional)	High quality 5.1 sound system (150W)
Steering Wheel (optional)	100% made of metal force feedback steering system with Ferrari Thrustmaster steering wheel
Pedal Set (optional)	100% made of metal with real stiffness professional pedals. Adjustable Pedals with realistic pressure
	Pedals position is calibratable by a button in the cockpit to fit all people



# 2 DOF (AXIS)

## FORMULA SIMULATOR



2 DOF FORMULA  
SIMULATOR



## GENERAL FEATURES

- » Full size F1 car simulator
- » Made of high quality Fiberglass
- » Three electrical actuators driven by high quality servo motors
- » Zero lag (no-delay) between the game itself and motion provided thanks to our
- » special software
- » Supports two games Codemaster F1 games and rFactor
- » Operation timer and counter.
- » 3 monitor system to maximize the visibility
- » Full Motion platform system for realistic G-Force simulation
- » Premium quality 5.1 surround sound system
- » Easy installation less than one hour
- » For indoor and outdoor
- » Emergency Stop button for safe riding and operation
- » Easy to transport with 2 electrical or manual forklifts
- » Can be operated by only one person.
- » All the above mentioned parts are guarantee for 1 year
- » Very interesting product with its low budget





# TECHNICAL FEATURES



Dimensions	Static: 5m/2m/0,8m
	Moving: 5m/2m/1,9m
Weight	Gross: 425kg
	M2/Kg: 3,5kg
Voltage and Amperage	220W 16A 1 phase power
Video	3 units LED Full HD 23,5" 3D TVs (optional 32")
Sound	High quality 5.1 sound system (150W)
Motion During Operation	100% made of metal force feedback steering system with Ferrari Thrustmaster steering wheel
Pedal Set	100% made of metal with real stiffness professional pedals. Adjustable Pedals with realistic pressure
	Pedals position is calibratable by a button in the cockpit to fit all people
DOF	2 Degrees of Freedom



# SLIDING MOTION SYSTEM

## F1- 3 DOF SIMULATOR



3 DOF FORMULA  
SIMULATOR



## GENERAL FEATURES

- » Full size F1 car simulator
- » Made of high quality Fiberglass
- » 3 monitor system to maximize the visibility
- » Three electrical actuators driven by high quality servo motors
- » Maintenance free Self -lubricating slides
- » Zero lag (no-delay) between the game itself and motion provided thanks to our special software
- » Premium quality 5.1 surround sound system
- » Supports two games Codemaster F1 games and rFactor
- » Operation timer and counter.
- » Full Motion platform system for realistic G-Force simulation
- » Easy to transport with 2 electrical or manual forklifts
- » Can be operated by only one person.
- » Easy installation less than one hour
- » For indoor and outdoor
- » Emergency Stop button for safe riding and operation
- » All the above mentioned parts are guarantee for 1 year
- » Very interesting product with its middle budget





## TECHNICAL FEATURES



Dimensions	Static: 5m/2m/1,75m Moving: 6m/3,2m/1,75m
Weight	Gross: 575kg M2/Kg: 1kg
Voltage and Amperage	220W 16A 1 phase power
Video	3 units LED Full HD 23,5" 3D TVs (optional 32")
Sound	High quality 5.1 sound system (150W)
Steering Wheel	100% made of metal force feedback steering system with Ferrari Thrustmaster steering wheel
Pedal Set	100% made of metal with real stiffness professional pedals. Adjustable Pedals with realistic pressure Pedals position is calibratable by a button in the cockpit to fit all people
DOF	3 Degrees of Freedom



# HALF SIZE

## FORMULA SIMULATOR - SHOW CAR



HALF SIZE FORMULA  
SIMULATOR



## GENERAL FEATURES

- » Half size F1 car simulator / Show Car
- » Made of high quality Fiberglass
- » 3 Monitor system to maximize the visuality (optional)
- » Premium quality 5.1 surround sound system (optional)
- » Supports two games Codemaster F1 games and rFactor (optional)
- » Easy to transport with 2 electrical or manual forklifts
- » Can be operated by only one person.
- » Easy installation less than one hour
- » For indoor and outdoor
- » All the above mentioned parts are guarantee for 1 year
- » Very interesting product with its very low budget





## TECHNICAL FEATURES



<b>Dimensions</b>	Static: 5m/2m/1,75m
	Moving: 6m/3,2m/1,75m
<b>Weight</b>	Gross: 575kg
	M2/Kg: 1kg
<b>Voltage and Amperage</b>	220W 16A 1 phase power
<b>Video</b>	3 units LED Full HD 23,5" 3D TVs (optional 32")
<b>Sound</b>	High quality 5.1 sound system (150W)
<b>Steering Wheel</b>	100% made of metal force feedback steering system with Ferrari Thrustmaster steering wheel
<b>Pedal Set</b>	100% made of metal with real stiffness professional pedals. Adjustable Pedals with realistic pressure
	Pedals position is calibratable by a button in the cockpit to fit all people
<b>DOF</b>	3 Degrees of Freedom



# FLIGHT & ROLLER COASTER SIMULATOR



ROLLER  
COASTER



## GENERAL FEATURES

- » 2 Passenger Cockpit
- » Ergonomic Sparco seats
- » Cockpit with ventilation system
- » 360 Degree Pitch & Roll - Rotational motion simulation
- » Powered with high quality position controlled motors.
- » Variety of Interactive Flight & Roller Coaster tracks
- » Premium quality 5.1 surround sound system
- » Zero lag (no-delay) between the game itself and motion provided thanks to our
- » special software
- » High Definition wide warped Projection screen
- » HD Cockpit Camera for passenger safety and audience
- » 2 Sets of Throttles & Joysticks for the users to be used in flight games
- » Emergency Stop button for the passengers.
- » Very easy operator interface.
- » Passenger counter with ability of sending daily reports by email.
- » 3mins 10secs of time slot for Roller Coaster and adjustable game timer for Flight games
- » High customer Volume and a total crowd puller.
- » Can be operated by only one person.
- » All the above mentioned parts are guarantee for 1 year
- » For indoor and outdoor





## TECHNICAL FEATURES

**ARCSIM**  
SIMULATOR

<b>Dimensions</b>	Static: 3,5m/3,4m/2,3m Moving: 3,5m/3,4m/4,1m
<b>Weight</b>	Gross: 1950kg M2/Kg: 11kg
<b>Voltage and Amperage</b>	380W 30A 3 phase power
<b>Video</b>	High definition projector (Vilsonic) - Curve system
<b>Sound</b>	High quality 5.1 sound system (150W)
<b>Motion During Operation</b>	The Pitch Axis will rotate the cockpit in either a clockwise or counterclockwise direction. The maximum velocity the pitch axis will produce is 90 degrees per second.
<b>Pedal Set</b>	The Roll Axis will rotate the cockpit in either a clockwise or counterclockwise direction. The maximum velocity the roll axis will produce is 90 degrees per second.
	The Vertical Lift System raises and lowers the main assembly into the load and ride positions.



# 6 DOF (AXIS) RALLY SIMULATOR



## GENERAL FEATURES

- » Designed to give the most realistic feeling of racing
- » 3 monitor system to maximize the visibility
- » Full Motion platform system for realistic G-Force simulation
- » Gives the Feeling of the motor vibration, car acceleration & brake, turns, tires suspensions and even car hit
- » Premium quality 5.1 surround sound system
- » Supports more than three Games rFactor, Dirt 3 and F1 2013/2014.
- » Professional Sport cars seat (Sparco seat) with seatbelt
- » Zero lag (no-delay) between the game itself and motion provided thanks to our special software
- » Able to receive replica full size or half size F1 car
- » Easy installation less than one hour
- » For in door and out door
- » Emergency Stop button for safe riding and operation
- » All the above mentioned parts are guarantee for 1 year
- » Can be operated by only one person.
- » For indoor and outdoor





# TECHNICAL FEATURES



Dimensions	Static: 3,5m/3,4m/2,3m
	Moving: 3,5m/3,4m/4,1m
Weight	Gross: 1950kg
	M2/Kg: 11kg
Voltage and Amperage	380W 30A 3 phase power
Video	High definition projector (Vilsonic) - Curve system
Sound	High quality 5.1 sound system (150W)
Motion During Operation	The Pitch Axis will rotate the cockpit in either a clockwise or counterclockwise direction. The maximum velocity the pitch axis will produce is 90 degrees per second.
Pedal Set	The Roll Axis will rotate the cockpit in either a clockwise or counterclockwise direction. The maximum velocity the roll axis will produce is 90 degrees per second.
	The Vertical Lift System raises and lowers the main assembly into the load and ride positions.



# PITSTOP CHALLENGE

## F1 FULL SIZE CAR



## GENERAL FEATURES

- » Pitstop Challenge aims to provide following points for Teams, Companies, Executives and etc.
- » Practice the communication skills necessary for successful collaboration and be aware of the importance of productive dialog within the team
- » Understand the role of leader in an interdependent team matrix
- » Receive and practice real-time coaching as a means of improving individual and team performance with specific roles and responsibilities
- » Work to generate collective insight from combined individual efforts
- » Experience the advantages/challenges of collaboration in an interdependent team with a focus on a collective goal
- » Helps teams to Gain corporate and team messages
- » Pitstop challenge is the real collaboration of a team work
- » Positive results will help create long term business goals and objectives
- » The activity engages teams in an inspiring, powerful motivation.
- » Experience the difference between operating in a flat team verses a hierarchical team





# TECHNICAL FEATURES



Dimensions	5m/2m/1,25m
Weight	Gross: 225kgs (300kgs for Static Simulator)
Voltage and Amperage (optional)	220W 16A 1 phase power
Video (optional)	3 units LED Full HD 23,5" 3D TVs (optional 32")
Sound (optional)	High quality 5.1 sound system (150W)
Steering Wheel (optional)	100% made of metal force feedback steering system with Ferrari Thrustmaster steering wheel
Pedal Set (optional)	100% made of metal with real stiffness professional pedals. Adjustable Pedals with realistic pressure
	Pedals position is calibratable by a button in the cockpit to fit all people



# SKY DIVE SIMULATOR



## GENERAL FEATURES

- » Two electrical actuators driven by high quality servo motors.
- » Power: 220 VAC 16A single phase power 2000 Watts.
- » Strong construction basis made of steel profiles.
- » Motion with sensitive positioning.
- » 2DOF Motion system.
- » High capacity and VR compatible PC.
- » Oculus Rift V1 VR Headset.
- » All the nuts and bolts used in the mechanism are made of mildew resistant chrome material.
- » Zero lag (no -delay) between the game itself and motion provided thanks to our special software.
- » Adjustable and customizable settings.
- » Fan which produces a current of fresh air more or less powerful according to the simulated flight speed.
- » Bed with high quality viscose (artificial leather) sponge.
- » First class acrylic paint.
- » 2 seat belts.
- » Unlimited game license (work with our own ArcSim software).
- » 3 different game tracks.
- » Operation footprint 3,20x 2,30 meters .
- » Easy installation less than 30 minutes.
- » Operation timer.
- » Can be operated by only one person.
- » For indoor and outdoor use.
- » One year guarantee for all the parts.

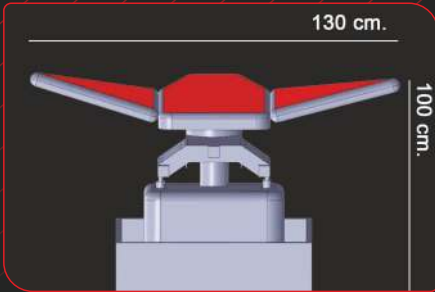
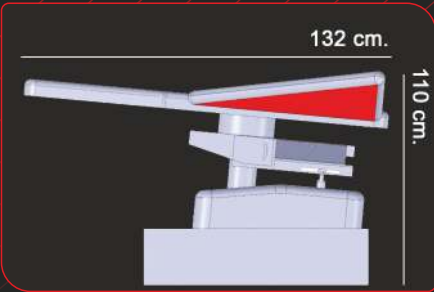




# TECHNICAL FEATURES

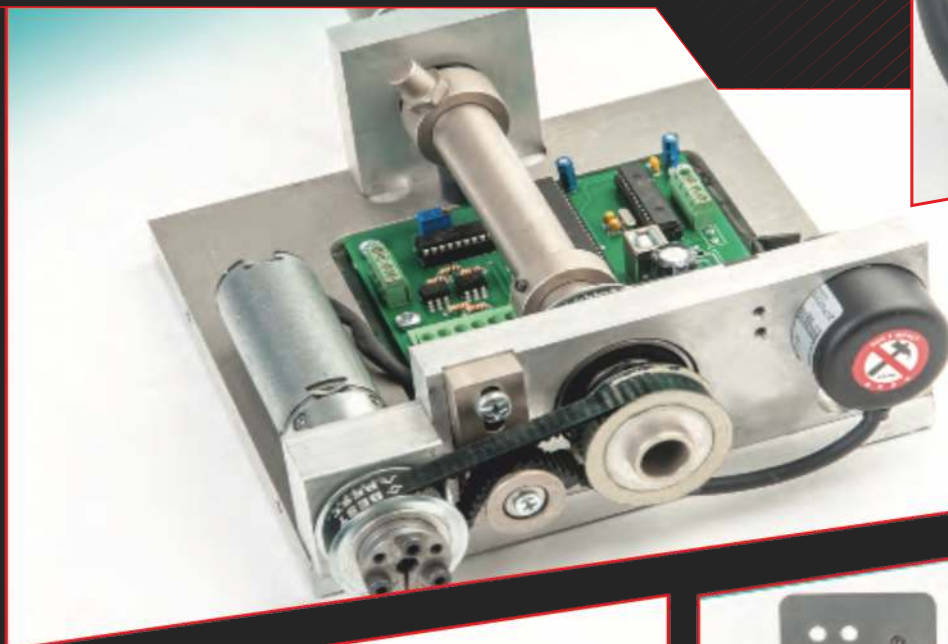


PLATFORM SPECIFICATION	
Height	Height 1000 mm
Footprint	1300 mm x 2200 mm (with fan)
Weight	140 kg
Linear Axis	Motion, Velocity, Acceleration
X axis - Y axis - Z axis	No Motion
Angular Axis	
Roll Axis	+18°/-18° 20°/sn 3°/sn²
Pitch Axis	+17°/-17° 20°/sn 3°/sn²
Yaw axis	No Motion
Operation Area	2,3mt (width) x 3,2mt (length) = 7,4sqm



# STEERING WHEELS

## F1



# OUR SIMULATORS AROUND THE WORLD



# OUR SIMULATORS

## AROUND THE WORLD







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