

**Fx**  
SIMULATION



TWO SEATER MOTION SIMULATOR



## Contents

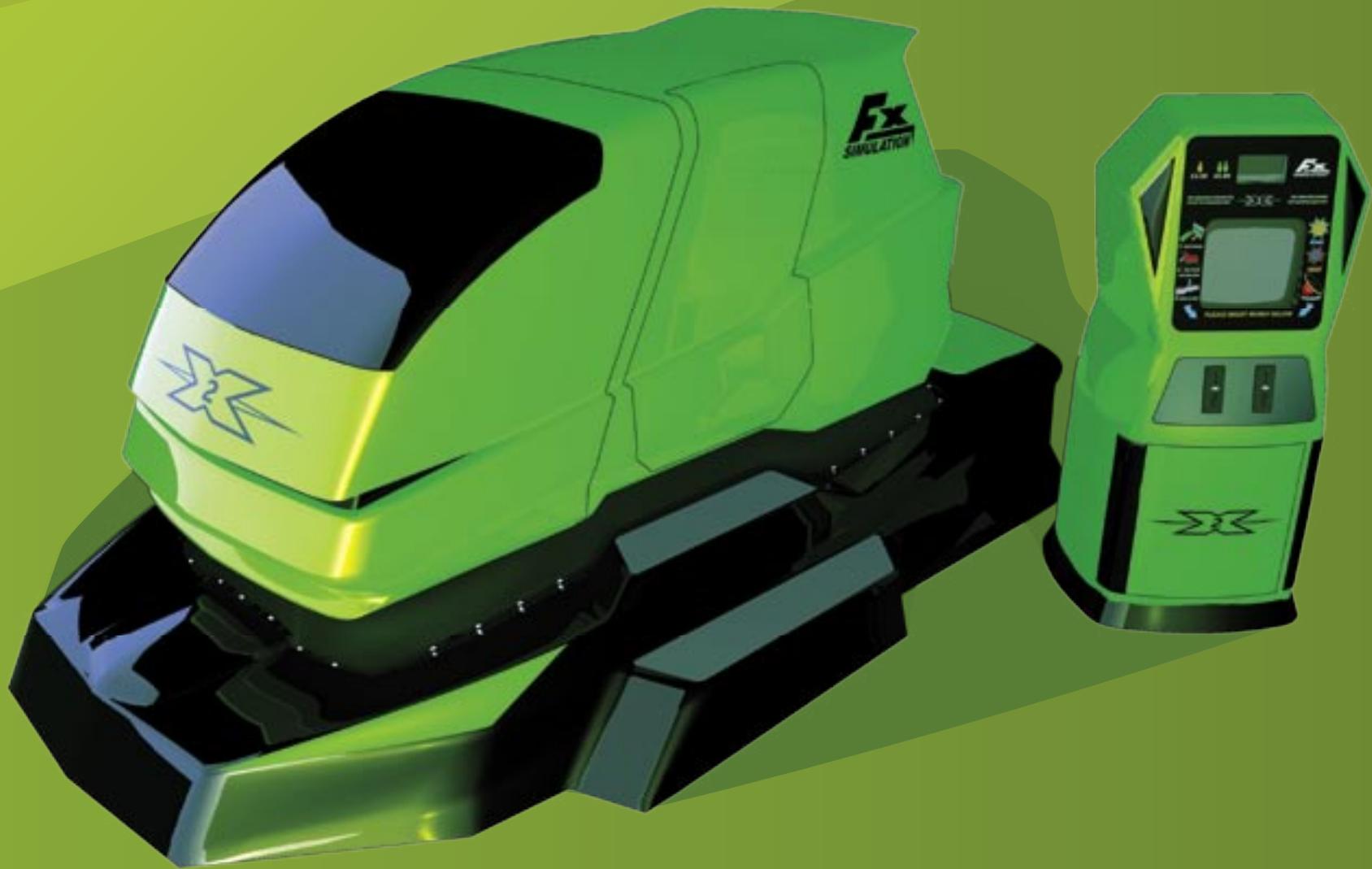
Design Concept	3
Product	5
Lifestyle	7
Features	9
Investment / Maintenance	11
Rides	13
Safety	15
Customers	17
Locations	19
Colours	21
Specification	23
About the company	25

The design concept was simple.

Build a reliable two seater simulator that appeals to the consumer and benefits the operator.

That's exactly what we did.

The X2 is a revolution in two seater simulator design.



# onference



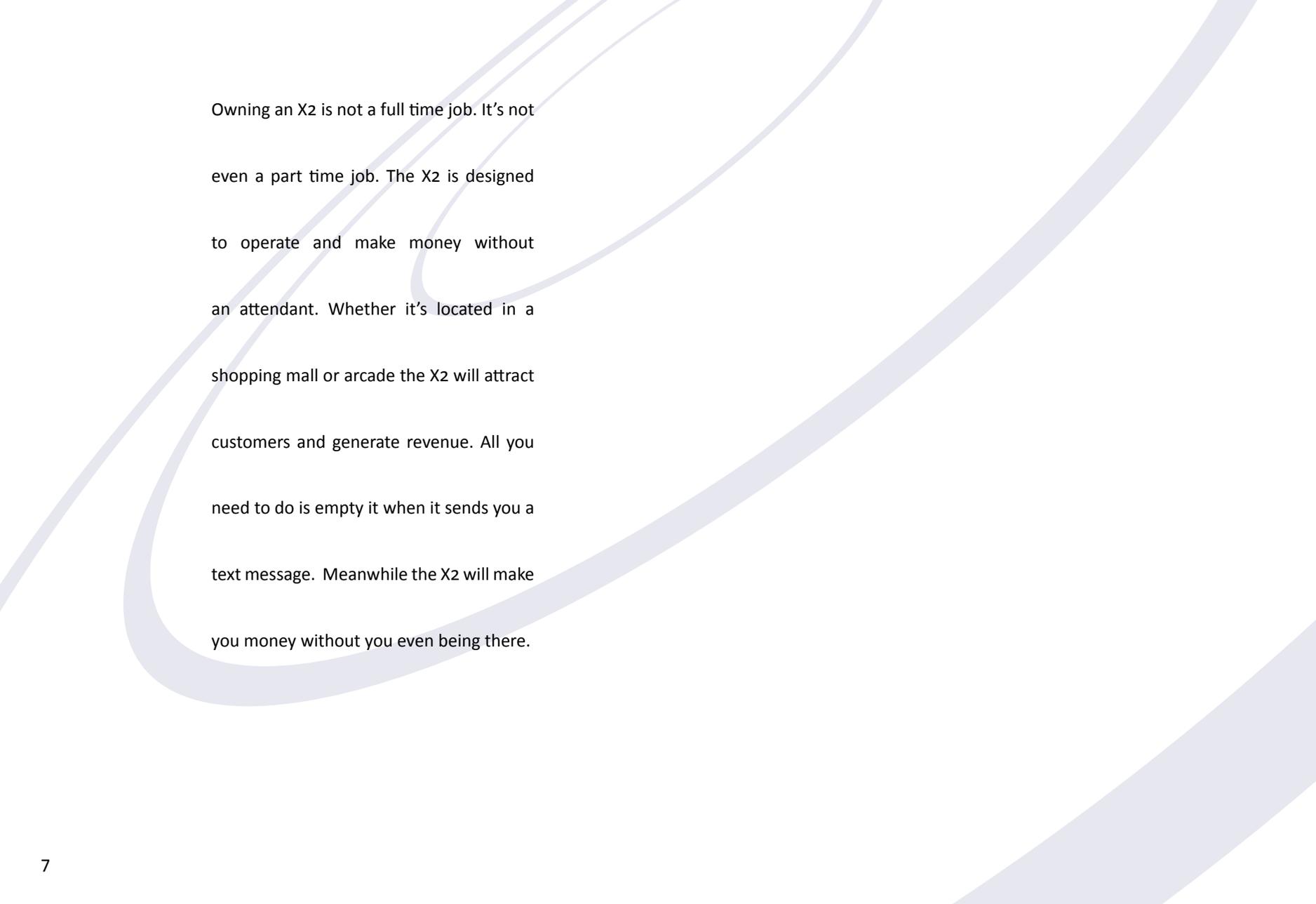


**Two seats. Two money acceptors. Two year warranty.**

Each component in the X2 simulator works in synchronous harmony with every other part, creating the perfect ride experience. The secret to success is the ride experience every customer gets. Entering by the gull-wing doors, sensors in the seats detect their presence and offer them a choice of 8 rides on the high definition display; offering such a varied selection allows children to have a softer ride and the real thrill seekers to have a more intense ride.

Meanwhile the owner or operator can receive text messages straight to their phone to give financial statistics. Alternatively by sending the X2 an SMS text message from a mobile phone, it will then immediately reply with the data requested. That way you will know how much money there is in the cash box before it's even emptied.

And that's only the beginning...



Owning an X2 is not a full time job. It's not even a part time job. The X2 is designed to operate and make money without an attendant. Whether it's located in a shopping mall or arcade the X2 will attract customers and generate revenue. All you need to do is empty it when it sends you a text message. Meanwhile the X2 will make you money without you even being there.



# 8 RIDE EXPERIENCES

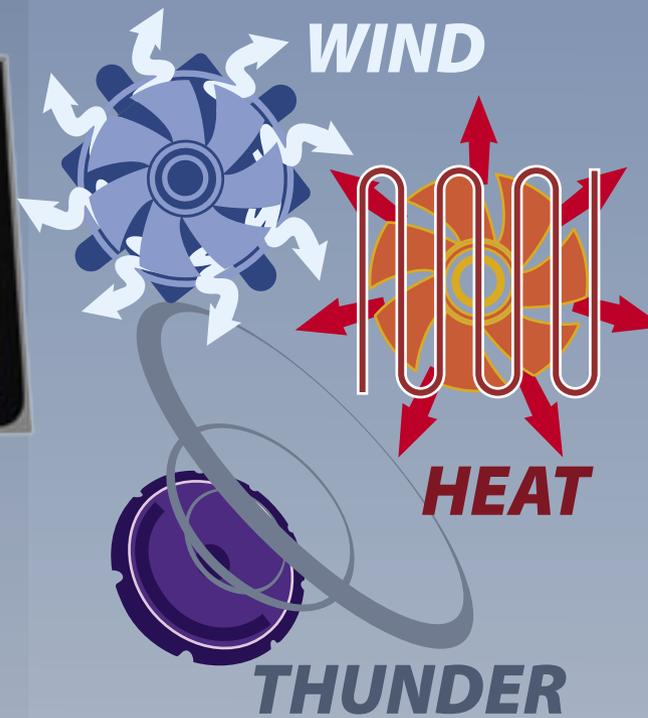


**HD**  
**ready**

**HIGH**  
**DEFINITION**  
**LCD SCREEN**

Eight unique and exciting rides feature on the simulator. Inside the customer is presented with eight buttons and a selection screen. The varied selection is designed to appeal to a wide audience and age profile to attract everyone to the simulator; rides can be changed at any time and new experiences are constantly being released.

The High Definition flat Liquid Crystal Display shows the ride experiences at a visual depth and quality that has never before been seen on a simulator. Protected behind toughened glass the wide screen display will immerse riders into another world.



Immersive Heat, Wind and Thunder FX make this no ordinary simulator. These effects combine to make the riders three minute experience in the X2 one which they will never forget. The wind effect directs air onto rider's faces as the ride experience increases in speed. Hot air is blasted through the same fans to provide a wave of heat in synchronisation with an on screen explosion or eruption of molten lava. Two 300 Watt Bass speakers, one located behind each seat provide the Thunder effect. The low frequency vibrations reverb through the seats and give the rider an unparalleled sense of touch and feel for every ride experience.



## DUAL MONEY ACCEPTORS



GSM Connectivity: A GSM device in the computer allows you to communicate with the simulator via your mobile phone or GSM capable PDA. This gives you instant access to technical and financial data wherever you are. You can also SMS the simulator for an instant report and you can even SMS a credit to the simulator; ideal for off site refunds.

The common note or coin jam will not affect the income of your X2 simulator. A simple design incorporating two money acceptors means that if one is jammed, the other will continue to accept money. This means that your simulator and income stream will not be affected by bad or counterfeit notes.



## ON BOARD CAMERA

Displayed on a 7-inch LCD monitor mounted at the top of the kiosk. This camera captures the fascination and exhilaration on riders faces during their ride experience. This makes the next people in line even more eager to have a ride and experience the unforgettable thrill of the X2.



The purchase of an X2 is a carefully considered decision. We want to give you as much information as possible about what kind of return on investment you can expect during your ownership of the simulator.

The two year parts warranty gives you peace of mind which we wouldn't offer if we didn't have peace of mind either. We designed the X2 to be reliable and easy to maintain. We don't want to have to perform gymnastics to reach serviceable components any more than you do. That's why all the serviceable areas are easy to access.

The simulator will have a full and healthy life as long as it is well maintained. Maintenance is detailed in the included manuals and involves checking fluid levels, component wear and door alignment. If this maintenance is not done, the simulator has sensors at critical points and will send a text message alert and even stop the simulator from operating in order to protect itself from damage and you from a repair bill.

Reports estimate that between 1 and 2 percent of the simulators weekly income should be put aside for the maintenance costs. The estimated life of the simulator is 12 years with a major refurbishment every three years. With the endless possibility of new rides being released the simulator will continue to attract customers and provide a thrilling experience to everyone who rides it.

## The X2 can handle 12 ride cycles per hour. We work this out from here:

- 0 Seconds Simulator is idle
- 40 Seconds Users insert money in kiosk, then enter simulator, close doors and select ride – 45 seconds
- 55 Seconds Users watch pre-ride intro – 5 seconds
- 260 Seconds Users experience ride – 210 seconds
- 265 Seconds Users watch post-ride message – 5 seconds
- 295 Seconds Users exit simulator at the end of the ride – 30 seconds

This is almost 300 seconds which is 5 minutes. Every 5 minutes the simulator will run a cycle. In every 60 minute hour there are 12 five minute segments and as such 12 ride cycles per hour. Assuming that each cycle two people ride, then that is 24 people per hour.

Based on the above calculations we can estimate the annual amount of people who will ride the simulator:

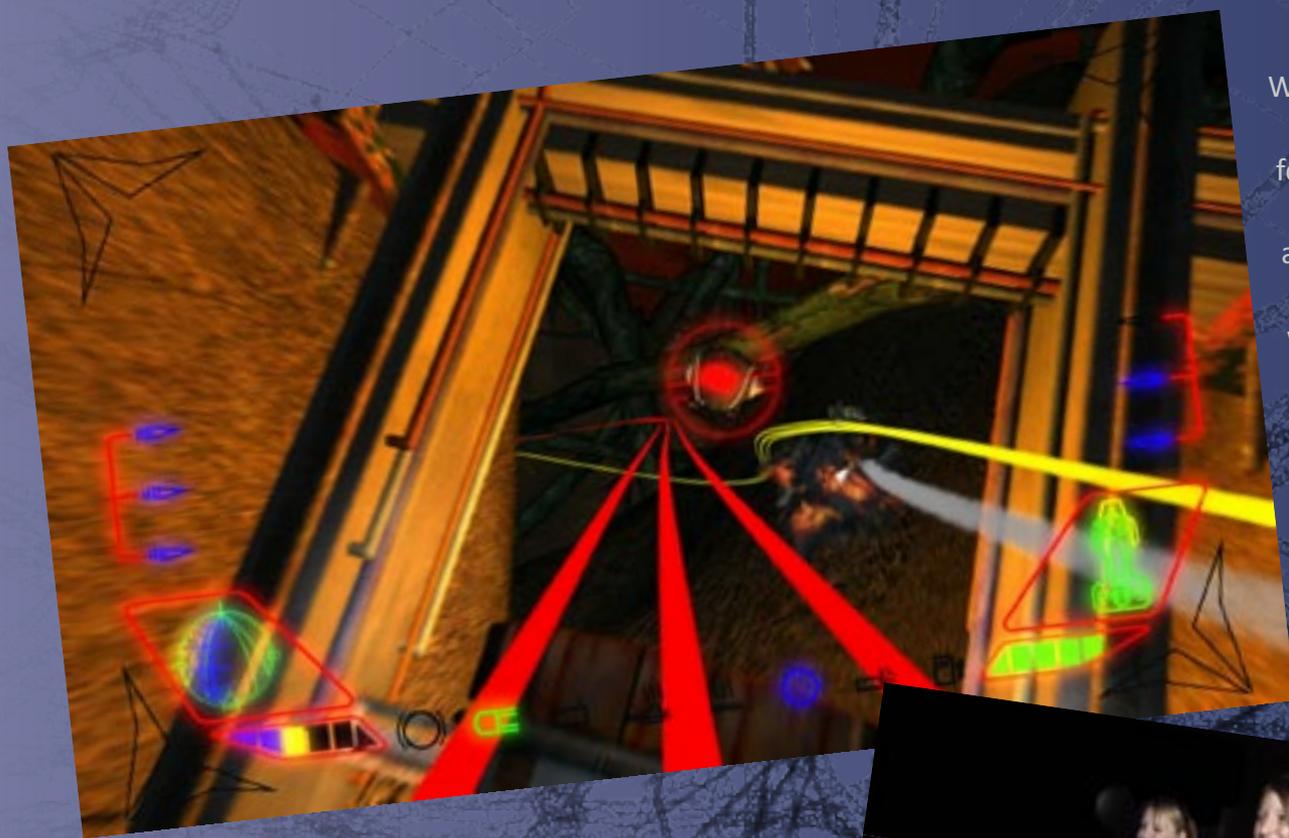
People per hour	24	people
Hours per day	7	hours
People per day	168	people
People per week	1176	people
People per month	5096	people
People per year	61,152	people

Even if only half as many people ride the simulator it will still bring a return on investment in one year.



**AN EXPERIENCE NO ONE WILL EVER FORGET!**





We have an extensive ride library for the X2. Most of our rides are exclusive, which means you will not see them on any other simulator apart from the X2. So not only do you get the latest in simulation ride technology, but you also get the latest in ride experiences and 4D effects.



**AN EXPERIENCE NO ONE ELSE CAN OFFER!**

# Safety

When developing the X2 we specified the highest levels of safety. Then we went a bit further.



The X2 is equipped with a first-class safety package, with the latest generation of sensor technology in the form of door, seat and position sensors. Should one of the two emergency buttons be pressed, perfectly attuned safety electronics guarantee that the simulator will stop and come to a gentle rest allowing passengers to exit the simulator safely. In addition safety sensors monitor the simulators occupants and capsule position. Furthermore the onboard camera allows parents to see their children enjoying the ride while inside the capsule. And a set of safety barriers keeps people away from the moving capsule, while the integral safety skirt and sweeping surround panels contain the inner workings of the simulator.



90% of customers were very satisfied with our technical support services.



FX Simulation has a dedicated customer care department. All spare parts are in stock ready for immediate dispatch should you require them. Technical support is on hand via telephone and our website has all the technical information you will ever need available 24 hours per day.

90% of our customers have more than one simulator and the remaining 10% would like a second simulator. That's because we don't stop caring once you purchase a simulator. Our support to you is just as important as the design of the simulator itself. Our priority is ensuring that you have the least amount of downtime as possible, whether that's through training, keeping parts in stock or by attending the site ourselves. Your X2 will be making you the optimum amount of money possible.

**85% of customers feel that our products are of consistent high quality.**



With its small footprint the X2 takes up very little space. It will provide a visually stunning attraction and in doing so draw crowds. Most of all the X2 will provide customers with an experience and thrill unlike anything else, one they will never forget. An unforgettable experience from a dynamic attraction in your location.

The X2 is capable of generating strong revenue in any location including: arcades, family entertainment centres, bowling centres, theme parks, malls and museums.





**FX Simulation's X2 Customers include:**

- Xscape - Glasgow (UK)**
- Grand Pier - Weston-Super-Mare (UK)**
- Verkehrshaus Transport Museum – Luzern (Switzerland)**
- Trocadero at Piccadilly Circus – London (UK)**
- O2 Centre - London (UK)**
- Presthaven Holidays - Wales (UK)**
- Frankie's Fun Park - Greenville (USA)**

**FX Simulation's Client List includes:**

- |                                      |                                       |
|--------------------------------------|---------------------------------------|
| <b>Odeon Cinemas – UK</b>            | <b>Leisure Link – UK</b>              |
| <b>Namco Operations Europe – UK</b>  | <b>Science Museum London – UK</b>     |
| <b>MAF Investments – Dubai (UAE)</b> | <b>Showcase Cinemas -UK</b>           |
| <b>Tenpin Bowling – UK</b>           | <b>Wafi Mall - Dubai (UAE)</b>        |
| <b>Haven Holidays – UK</b>           | <b>Butlins - UK</b>                   |
| <b>Hollywood Bowl – UK</b>           | <b>Lamcy Plaza Mall - Dubai (UAE)</b> |
| <b>Xscape - UK</b>                   | <b>The Mall Company - UK</b>          |
| <b>Crown Leisure - UK</b>            | <b>Newcastle Airport - UK</b>         |



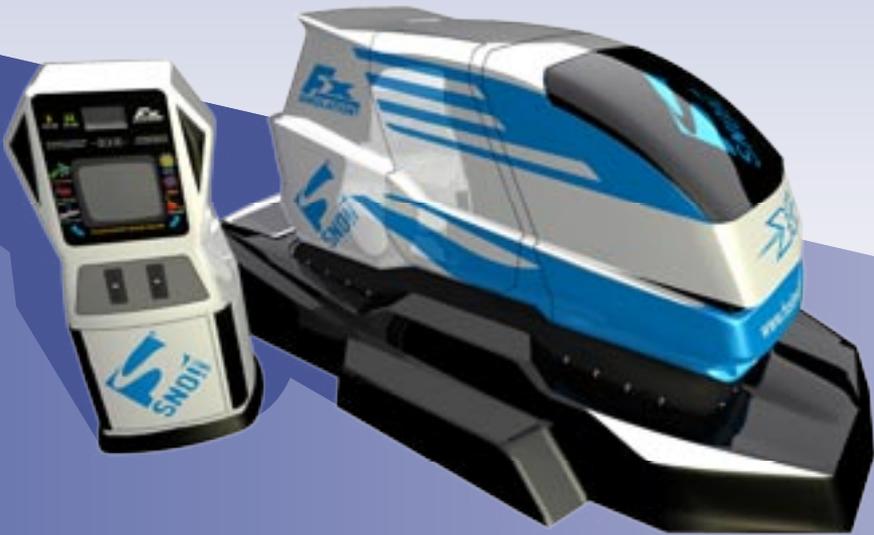


Dynamic design demands dynamic colour





Colour can be specified at the time of order to suit your requirements. A themed design can also be created to really draw attention to your brand.



### Cabin

- Door sensor with 8mm sensing distance
- Camera in capsule
- Interior safety grab rail
- Seat belts
- Padded headrest with X2 logo
- Padded back support
- Hard wearing aluminium tread plate
- X2 door kickplates
- Interior door handles painted black
- 8 Ride buttons
- Wind effect
- Rumble effect on both seats
- 32" LCD monitor with protective glass
- Two emergency stop buttons
- Discreet seat sensors

### Motion Base

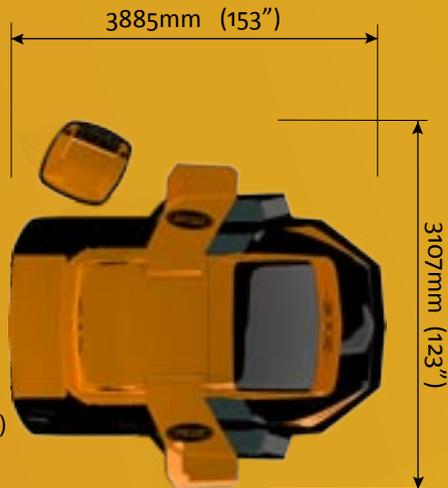
- Three DOF hydraulic motion base
- 8 rubber feet
- Hydraulic powerpack
- 100 litre oil tank
- 100 litre hydraulic system drip tray
- 120 litre full size motionbase drip tray
- High grade hydraulic hoses
- Oil level sensor
- Oil temperature sensor
- Front swivel temperature sensor
- **Surround Panels**
- Colour coded accents on front panel
- Aluminium tread plate on steps
- Access door for on/off switch
- Rear boot for access to hydraulic system
- Security fence

### Capsule

- Manually operated gull wing doors
- Graphics lacquered into paint
- Spoiler
- Front spoiler LED lights
- Removable nose cone windscreen
- Choice of standard colours
- Safety skirt
- Customer logo ▲
- Custom colour ▲

### Key

- Standard Option
- No-cost Option
- ▲ Costed Option



height:  
1797mm (71")  
(Max 2991mm [118"])

### Operating Dimensions

Width: 3107mm [123"] (with doors open)  
Height: 1797mm [71"] (Max 2991mm [118"])  
Length: 3885mm [153"]

### Transport Dimensions

Width: 1521mm [60"]  
Height: 1950mm [77"]  
Length: 2327mm [92"]  
Weight: 1114Kg [2456 lb]

### Power Requirements (Europe)

The simulator requires a 3-phase supply of 380 - 415V at 16A per phase 50Hz

### Power Requirements (U.S.)

The simulator requires a 3-phase neutral supply of 208V at 32A per phase 60Hz

### On Board Computer

- Three levels of configurative security access
- SMS messaging alerts
- Instant financial report via SMS messaging
- Temperature display of major components
- Oil fluid level gauge
- Volume adjustment
- Positioning Control
- Non-reset total money counter
- Individual coin/note channel counters
- Total people counter
- Rides aborted counter
- Tamper proof technology
- USB memory sticks for ride data
- Custom intro and goodbye movies

### Kiosk

- 7" LCD linked to camera in capsule
- 14" monitor showing ride experience
- 4 locking wheels
- Small emergency stop button
- Secure coin tray behind locking door
- Two coin acceptors
- Two note acceptors
- One coin and one note acceptor
- Rear storage area
- Sealed computer system

### Customer care

- Two year warranty
- User guide
- Diagnostic manual
- Factory based comprehensive training
- On site basic training
- CE Certificate
- Risk Assessment
- A.D.I.P.S. Certificate





# **FX** **SIMULATION**





FX Simulation (UK) Ltd manufacture and operate two seater simulators; through years in the industry we have developed not only a fantastic motion simulator but also great relationships with customers and suppliers alike.

Our simulators generate in excess of £3.5M for our customers worldwide. We strive to continue to be one of the largest and most established two seater manufacturers in the world.



By continuing close relationships with our customers and operating our own simulators. We have been able to develop one of the best products on the market and as such have emerged as industry leaders in the field of simulation.

