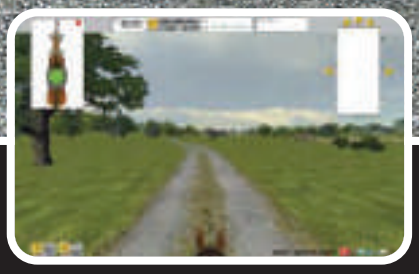
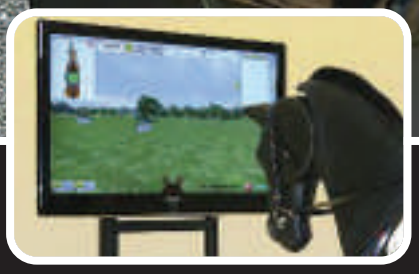
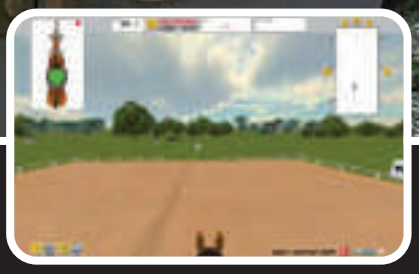
Dressage Simulator

"The most valuable and realistic instructional aid in dressage"







The Riding Workshop
HOME OF THE SIMULATOR

Dressage Simulator

"The most valuable and realistic instructional aid in dressage"

The Interactive Dressage Simulator simulates a life like horse which is capable of performing movements from walk to piaffe. The interactive screen shows the digital horse doing piaffe, passage and flying change. The simulator is incredibly useful for instruction; it enables the rider (and instructor) to learn a lot in a very short space of time. There are five key developments within the Dressage Simulator:

1 Saddle Sensors:

The sensors situated beneath the rider's saddle can inform the rider (and instructor), by visual feedback on screen, of how the rider's weight is distributed. The rider's balance and posture can be clearly indicated by the sensors' response to the rider's weight moving forwards, backwards and sideways, throughout all the gaits of the horse and within the range of simulated activities – whether free-riding or undertaking the dressage tests.

This facility is greatly appreciated by the riders and instructors because it enables posture, positioning and balance to be corrected, thus improving the rider's seat and comfort during riding. The interactive feedback allows for immediate correction and the ability to monitor whether correction is sustained.

The rider and horse derive benefit from the correct distribution of weight carried through the saddle.

2 Head and Neck Movements:

There are sensors positioned on the horse's head and neck, which allow the rider (and instructor) to see when there is correct flexion in the horse's head and neck by the correct use of the reins.

3 Lateral Action:

The Dressage Horse Simulator simulates the lateral body lean of a real horse when engaged in walk and trot. Left and right leg canter are also possible. The visual imagery on screen enhances the rider's sensation of the horse's lateral movements.

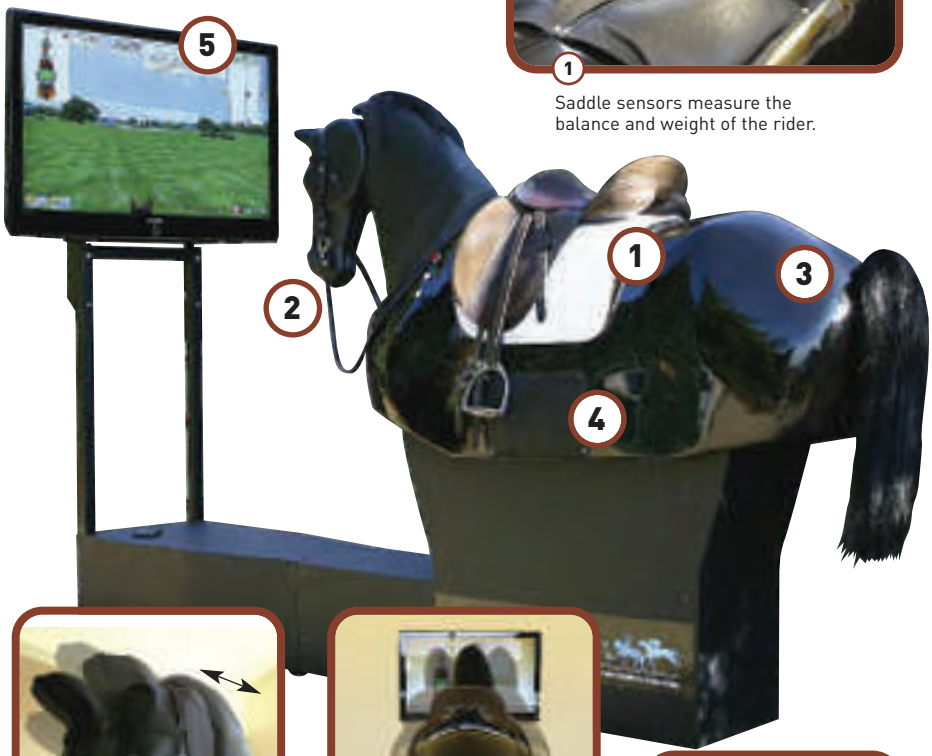
4 Leg Sensors:

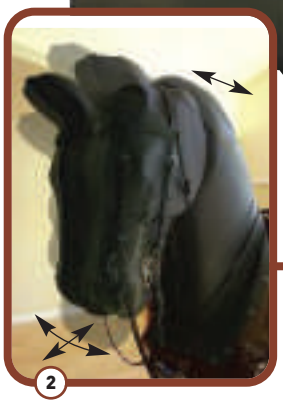
There are three sets of sensors attached to each side of the simulator's lower body. These sensors allow the rider to control the movements of the horse simulator by correct leg pressure to start the walk, to moving through trot and canter and all the actions the rider wants to practise; the horse can go straight into canter from halt.

5 Interactive Software:

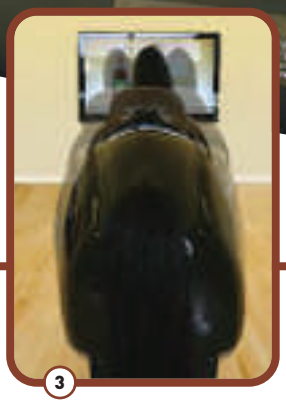
The interactive simulator and screen will provide feedback on movements, so the rider can improve his/her marks. It is possible to complete the test and then play back on the screen.

1 Saddle sensors measure the balance and weight of the rider.

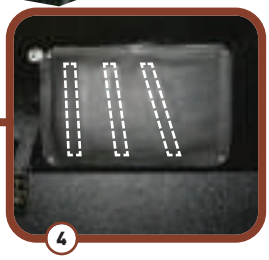




2 Head and neck sensors measure the amount of bend.



3 Simulates the lateral body lean of a real horse when engaged in walk and trot.



4 Leg-aid sensors on and behind the girth allow realistic pace control.

The simulator is the same size as a real horse and its action is very close to the natural feel of a real horse. When riding in the simulated arena, the rider is drawn in to the sensation of actually riding in a real ring.

A Training and Development Aid:

The Dressage Simulator enables the rider to position his/her body weight, to practise appropriate rein contact and to use the correct lower leg position.

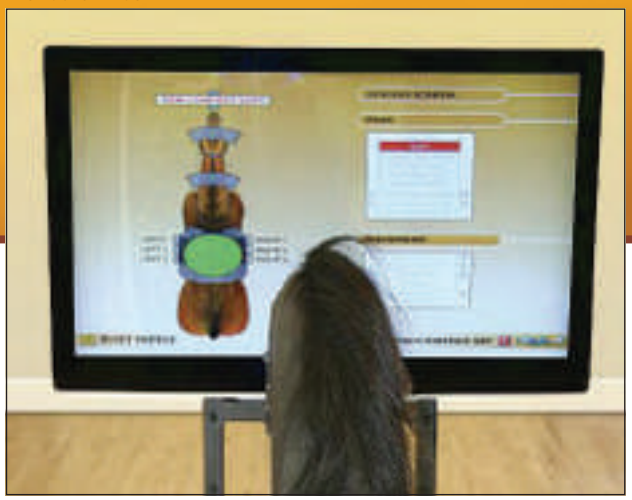
The rider needs to have total concentration on his/her movements and coordination and that of the simulator, as in real dressage riding.

It is possible to teach performance of the required movements in a dressage test:

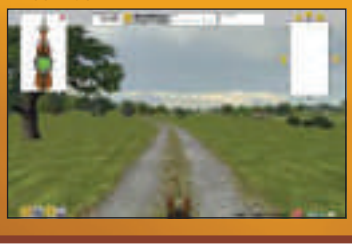
Leg Yield
Shoulder In
Half Pass
Flying Changes
Pirouette
Passage
Piaffe
Collected & medium movements

from the preliminary stages upwards. The rider can repeat centre line, diagonal and any other movements indefinitely, with no anticipation from the horse. Unlike a real horse, the simulator won't anticipate practising movements.

Instruction Ride



Free Ride



Test Ride

Birds eye view

Playback view

The **most interactive riding simulator** in the world

The simulation presents three types of ride:
Instruction Ride / Free Ride / Test Ride

The rider can choose either a 20 x 40m or 20 x 60m arena for the ride. There are realistic sound effects depending on whether the rider is on grass or track.

The Instructional Mode is essential for teachers. The instructor can help the rider adjust his/her body position and posture by touch, even when performing the different movements, such as flying change.

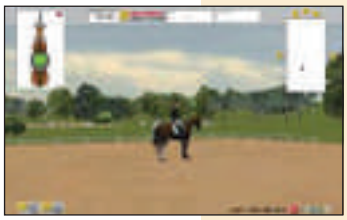
The rider uses the same muscles as when riding a real horse and therefore muscle memory can be learned without interfering with the balance of a real horse.

The Dressage Simulator is fun and comfortable to ride. It is ideal to teach riders of all levels, ages and abilities.

The Dressage Simulator offers high income generating potential for teachers and schools.

The Interactive Dressage Simulator is the most valuable and realistic instructional aid in dressage. It teaches the rider position and control, it develops technique, skill, muscle memory and confidence.

It is possible to complete the test and then play back on the screen from the Judges' views, from the rider's view and from the bird's-eye view (7 view points).



7 View Points... 2 General & 5 Judges Views

The rider can toggle through the views by using the keypad.

All sensors displayed in real time and on playback

Dressage tests are spoken and visually shown on the screen

Features are:

- Head and bit sensors to access poll flexion and rein contact
- Neck sensors to detect neck flexion
- Saddle sensor for balance and weight
- Lateral movement in all gaits
- Instructor's override buttons

The Software:

- Sensor feedback is displayed on the screen at all times
- Practise riding in the field and pathway outside the arenas
- Practise in 20x40m or 20x60m arena
- Complete Dressage test in 20x40m or 20x60m arena
- Dressage test stages are spoken to the rider
- Dressage test stages are visually shown on screen
- Playback your test and freeze to analyse your problems
- Views your test from all the 5 judges` positions, birds eye and rider position
- All sensors displayed in real time and on playback
- Leg Yield, Half pass, Shoulder in, Passage, Pirouette, Piaffe

Advantages:

- Close proximity to student whilst teaching
- Safe practice for timid riders
- Safe controlled environment
- Learn the correct posture in minutes
- Perfect rhythmical action all day
- Practise with mirrors or video to highlight posture
- Recover from injury with safe measured steps
- All weather training
- Ideal for rider and general fitness

It allows the rider to ride to the screen in real-time. The horse is perfectly schooled and capable of performing advanced movements such as collection in walk, trot, canter, together with lateral work and rein back. The head and neck are moveable and the leg aids are detected by 'on the girth' and 'behind the girth' sensors. All movements are mathematically correct.

This Simulator is unrivalled as an instructional aid for novices and experienced riders alike.

- The Simulator does exactly what it is instructed to do every time and all day long. It only responds to the commands given, it is predictable and never misbehaves!
- It has endless patience and does not anticipate.

This horse never sustains injury.

- It allows the instructor to stand by the horse and endlessly repeat the instruction for any riding movement.

Maintenance

Racewood Simulators have been in action for nearly two decades. Powered by a maintenance free 1.5kW motor that plugs into a UK 13 amp socket or any 220/260-volt 50/60Hz supply.

Warranty

These machines are covered by a worldwide one-year warranty. We can also offer annual service contacts if required.

A saddle is not provided with the simulator; you should use your own dressage saddle.

Testimonials:

A1 Equestrian

"A valuable training aid for novices to advanced riders"

Mark Cramb

Shardeloes Farm Equestrian Centre

"An all encompassing training tool for riders of all levels; the Simulator has revolutionised the approach we take to teaching and learning."

Jo Wnekowska Equestrian Manager

Fielder Horse & Rider Ltd

"This horse simulator is a valuable training aid, in particular when working with the rider's position and co-ordination. It enables the trainer to teach and observe the rider, who can both feel and see where any problems lie. It is also possible for the rider to develop the technique and co-ordination necessary for the more advanced work."

Paul Fielder

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BOOKINGS ESSENTIAL

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