INTRODUCING XD THEATER

WITH MAD WAVE MOTION™

Turn any location into a real time motion theater with Triotech's new XD THEATER, a 6D motion simulated thrill ride that transcends time, space and imagination. With our unique and cost effective motion seats, you won’t have to compromise your standards for successful entertainment.

CONVENIENT INSTALLATION

Our motion platforms are so adaptable that you can install them in any location. There is no need for any major construction. The XD theater seats are as easy to install as traditional theater seats. Our motion platforms are self-contained making them convenient enough to take on the road or fill an existing room.

UNPARALLELED ACCELERATION

Our XD Theater seats boast up to 2 G’s of acceleration and a 400 movements/second thanks to our industry leading patented technology. This is a huge step up from the limited 1G standard that most motion platforms offer.

WIDE RANGE OF APPLICATIONS

The XD Theater offers a greater advantage over other motion platforms. The XD can turn any existing movie into a thrilling experience since our motion technology provides more than just jolts and tilts.

ALL ELECTRIC, NO HYDRAULICS!

Defeat the evil Supervisor of Mars and save the universe!

An exhilarating roller coaster adventure in the canyons and caves of the American south west!
We can customize a floor plan that will suit your needs according to your space allocation. Here are a few sample layouts.

**8 SEATS**

**12 SEATS**

**24 SEATS**
THE ACTUATOR COMPONENTS

The motor, the most expensive component inside our actuators, is sturdy, durable and virtually indestructible.

The drive assembly (inside the actuator) can be rebuilt at the factory for less than 20% of the cost of a new actuator. With the motor and electronics virtually indestructible, the actuators will last for years.

Each Actuator Unit is:
- Self-contained in a cartridge-like metal box
- Easily and inexpensively shippable, worldwide

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
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<tbody>
<tr>
<td>Onboard microprocessors</td>
<td>Computing power = 5 Pentium® processors and proprietary algorithms translate motion codes into exhilarating, dramatic representations of on-screen motion.</td>
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<tr>
<td>Frequency Range</td>
<td>DC to 100 Hz @+/- 10% and up to 200Hz max</td>
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<tr>
<td>Actuator Power</td>
<td>160 Watts (2 per seats platform 320 W total)</td>
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<tr>
<td>Acceleration</td>
<td>Up to 2 Gs</td>
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<tr>
<td>Control System</td>
<td>Brushless AC Motors with optical encoder</td>
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<tr>
<td>Lifting Capacity</td>
<td>400 lbs, per actuator (x 2)</td>
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<tr>
<td>Dimensions</td>
<td>9&quot; W x 16&quot; H x 4.5&quot; D (23 cm W x 41 cm H x 12 cm D)</td>
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<tr>
<td>Weight</td>
<td>18 lbs / 8.2 kg</td>
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MAINTENANCE MADE EASY: HIGH TECH INTELLIGENCE

We understand that operational efficiency is the greatest asset in running a motion platform. Every Triotech Mad Wave Motion™ actuator has a digital signal processor (DSP) that communicates a constant data stream to the main station. Each individual actuator allows the station to know, at all times, their operational status. If an actuator should malfunction, the information is sent to the station describing exactly what happened. This instant diagnostic lets the system self-adjust. Troubleshooting this easy makes our product an operator’s dream! The self diagnostic tells the system which part of the actuator is defective for simple and accurate service.

UNMATCHED INNOVATION

The award winning patented Mad Wave Motion™ is built around linear actuators resulting from more than four years of R&D prototype development. The actuators are driven by high-performance, DSP driven, brushless motors.

SPECTRAL DYNAMICS

The system exhibits high spectral dynamics with a flat bandwidth from DC to 100 Hz, with a significant response above 100 Hz.

KINELINK TRANSMISSION PROTOCOL

Many innovative technological choices have made this system possible, including the development of a new motion profile transmission protocol (Kinelink) that provides sampling and synchronization and also supports several levels of fault protection.

HOW THE MAD WAVE MOTION™ KINELINK PROTOCOL WORKS

With data streaming between the main station and the actuator's DSP, a total of 18 parameters (such as weight, current, and heat) are being continuously monitored. The central station can detect the presence of a person by using the weight detection. This means that the seat only works when someone is sitting in it. This extends the life of the actuators.

MUCH MORE AFFORDABLE THAN COMPETING SYSTEMS!