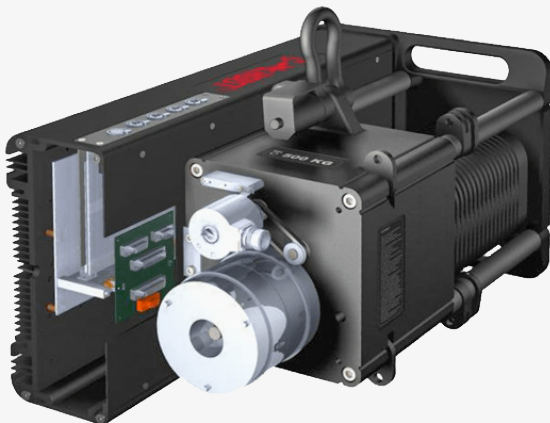**FLOWMO** STAGE MOTION SYSTEMS

XLNT **CYBERHOIST II™**

NEW GENERATION OF WORLD'S FIRST INTELLIGENT, VARIABLE SPEED CHAIN HOIST

CYBERHOIST II 524

½ t | 0—28 m/min
0—92 ft/min

ROAD-PROOF FOR GLOBAL TOURING, CONCERTS AND LARGE-SCALE EVENTS

DESIGNED TO MEET THE MOST DEMANDING ENTERTAINMENT REQUIREMENTS

ROAD-READY WITH AUTO RANGING INPUT VOLTAGE FOR GLOBAL USE (175-440 V, 50/60 HZ)

PART OF THE PLUG & PLAY CYBERMOTION™ FAMILY

SIL 3 CERTIFICATION AND COMPLIANT WITH ALL APPLICABLE INTERNATIONAL SAFETY STANDARDS AND CODES OF PRACTICE (EN61508/DIN56950/BS/FEM)

COMPACT ALL-IN-ONE DESIGN INCLUDING DRIVE-UNIT AND MOTION CONTROLER

ABSOLUTE POSITIONING (0.1 MM) FOR BASIC REPETITIVE TO COMPLEX 2D AND 3D MOVEMENTS

NETWORK CONTROLLED E-STOP AND DEAD MAN'S HANDLE WITHOUT ADDITIONAL CABLING

FLOWMO STAGE MOTION SYSTEMS

XLNT CYBERHOIST II™

NEW GENERATION OF WORLD'S FIRST INTELLIGENT, VARIABLE SPEED CHAIN HOIST

TECHNICAL FEATURES

FIRST COMPETITIVELY PRICED SIL 3 CERTIFIED CHAIN HOIST

CyberHoist II™ sets a new world standard as a chain hoist specifically developed for global touring. It was specially developed by XLNT Advanced Technologies to meet the unique, uncompromising needs of the entertainment industry.

YOUR SAFETY IS OUR PRIORITY

CyberHoist II™ is SIL 3 certification. It is compliant with all applicable international safety standards and codes of practice (EN61508/DIN56950/BS/FEM/UL).

THE HOIST FOR HEAVY-DUTY TOURING AND MOVING MEDIUM TO HEAVYWEIGHT OBJECTS

Convenience and durability are prominent aspects in our design. Cyber-Hoist II™ is a compact, multi-voltage plug and play chain hoist suitable for heavy-duty touring and shows world-wide. Easy maintenance and extremely short set-up and tear-down times make CyberHoist II™ both time and cost efficient.

THE ULTIMATE CREATIVE EXPERIENCE

CyberHoist II™ allows you to create complex 2D and 3D movements with multiple actuators in single or group formations. Extra creative power and convenience are enabled by combining products within the CyberMotion™ family. Absolute precision and unique object-oriented manipulation using multiple actuators are offered by combining CyberHoist II™ with the MotionCue3D™ operating consoles, C-Hoist™, C-Winch™, C-Power™ and C-Track™ & C-Trolley™.

THE INTELLIGENT HOIST FOR GLOBAL TOURING AND LARGE-SCALE EVENTS

POWER & INTELLIGENCE

— dedicated design meeting specific entertainment industry needs

— flux Vector Drive for smooth movements, fluid velocity changes and True Zero speed without using brakes

— road-ready, plug and play auto configuration

— multi-voltage for global use (175–440 V, 50/60 Hz) with integrated power regulator

— ultra quiet operation

— 0.1 millimeter accuracy in absolute positioning and repetitive actions

— integrated multi-port high performance Ethernet switch

— easy accessibility and interchangeable control panel

SOPHISTICATION & SAFETY

— solid-state motor control and brake management using double DC brakes for extra safety

— efficient energy management using regenerative braking: braking energy is returned to the power network

— access for optional set-up and maintenance remote

— usable in normal and inverted positions

— integrated load cell for overload and slack chain detection

— built in emergency limits

— network controlled E-stop and Dead Man's Handle – no additional cables needed

Capacity kg/lbs	FEM class	Lifting speed m/min	Lifting speed ft/sec	Chain	Chain size mm/inch	AC Motor kW/hp	Main dimensions length × width × height mm/inch			Weight kg/lbs	Chain per meter kg/lbs
500 / 1012	2 m	0–28	0–92	1	7×21 / 0.28×0.83	3/4	636 / 25	367/14.4	330 / 13	96 / 201	1.1 / 2.2

FLOWMO STAGE MOTION SYSTEMS

XLNT **MOTIONCUE3D™**

DEDICATED CYBERMOTION™ CONTROL PLATFORM AND OPERATING SYSTEMS

DURABLE ENTERTAINMENT TECHNOLOGY FOR EASY OBJECT ORIENTATED PROGRAMMING OF SIMPLE 2D TO COMPLEX 3D MOVEMENTS

PROGRAM A COMPLETE PERFORMANCE IN 3 QUICK STEPS, WITH OR WITHOUT CAD SOFTWARE INPUT

ADD ACTUATORS TO OBJECTS OR ADD, REMOVE OR CHANGE INDIVIDUAL OBJECTS IN CURRENT SHOW FILES

SPECTACULAR MOVEMENT: UP TO 8 DEFINABLE SUB OBJECTS PER OBJECT, PER CUE AND A FREELY ASSIGNABLE POINT OF ROTATION

AUTOMATIC POSITION AND PARAMETER RE-EVALUATION WITHIN A PROGRAMMED OBJECT AFTER ADDING OR RETRACTING AN ACTUATOR

FEASIBILITY CHECK OF PRE-PROGRAMMED SHOWS WITH ACTUATOR PROPOSAL

LATERAL FORCE CORRECTION (LFC)© PROVIDES OPTIMAL OBJECT GRAVITY CONTROL AND LOAD DISTRIBUTION, AVOIDS SLACK CHAIN OR ROPE AND REDUCES SWING

FLOWMO STAGE MOTION SYSTEMS

XLNT MOTIONCUE3D™

DEDICATED CYBERMOTION™ CONTROL PLATFORM AND OPERATING SYSTEMS

TECHNICAL FEATURES

MAKING MOTION CONTROL A TRULY CREATIVE PROCESS

MotionCue3D™ sets a new world standard as a software platform with dedicated operating consoles, specifically developed to meet the uncompromising needs of leading professionals in live entertainment performance and concert touring.

THE ULTIMATE CREATIVE EXPERIENCE

MotionCue3D™ is a fully integrated programming and control system for all actuators within the CyberMotion™ family. By linking multiple actuators together to create single or multiple objects in a 3D environment, MotionCue3D™ calculates and communicates each CyberMotion™ product's movement to create the smoothest, fastest and most accurate transitions in motion control.

MotionCue3D™ allows you to program a performance in minutes with the optional use of your CAD files. Define up to 8 sub-objects per object, per cue and freely assign points of rotation for spectacular movement. Transitions are calculated automatically when jumping from one cue to the other.

PART OF A UNIQUE MOTION FAMILY

Extra creative power and convenience are enabled by combining MotionCue3D™ with the plug and play mechanics of the CyberMotion™ family.

CONVENIENCE, DURABILITY AND SAFETY

Convenience and durability are prominent aspects in our design. The MotionCue3D™ control platform and plug and play operating consoles are compact, intuitive to use and suitable for global touring, large-scale events, multi-purpose venues and (semi-) fixed installation. Easy (remote) programming and extremely short set-up and tear-down times make MotionCue3D™ both time and cost efficient. MotionCue3D™ is SIL 3 certification (EN61508).

KEY FEATURES: SOFTWARE

FLEXIBILITY AND CREATIVE, OBJECT ORIENTED PROGRAMMING

— program a complete performance in 3 quick steps with or without separate CAD software

— add, remote or change actuators to objects or add, remote or change individual objects in current show files

— spectacular movement: up to 8 definable sub objects per object, per cue and a freely assignable point of rotation

— control over 256 actuators or 128 objects

— object based actuator position calculation

— editable trajectory curves per parameter per cue

— support for SMPTE-MIDI-DMX-ARTNET etc. for triggering

— manual real-time operation of actuators during set-up and tear-down

— off-line pre-programming

— unlimited number of cues and pages

— direct acces to objects positions

— solid state harddisk

SOPHISTICATION AND ABSOLUTE SAFETY

— feasibility check of pre-programmed shows with actuator proposal

— lateral Force Correction (LFC)© provides optimal object gravity control and load distribution, avoids slack chain or rope and reduces swing

— Object Collision Detection

— automatic transition calculation when switching between cues

— automatic position and parameter re-evaluation within a programmed object after adding or retracting an actuator, enabling change functionalities without jeopardizing safety or extra work for the programmer

— extra convenience and safety through feasibility check of pre-programmed shows with actuator proposal

— optional parallel use of multiple consoles connected to one system

— dual power supply

— OSX based operating system

KEY FEATURES: OPERATING SYSTEMS

Number of LCD touch screens	7 (4×4.3", 1×7", 1×12")	Multi-functional joystick	1	USB		2
Paddles for real-time speed override	8	Key pad	1	Multi-voltage power supply 100–240 V (50/60 Hz)		X
Internal and/or external show data storage	X	E-stop and Dead Man's Handle	1	Dimensions (mm/inch)		
Programmable buttons	4	Number of axis	256	d 800/31.5 w 880/34.6 h 120/4.7		
Multi-purpose jog-shuttle wheels	3	Number of objects	128	Weight (kg/lb)		28/61.7
Stop and Go buttons	8	HDMI out	2			