

BOSTON LIGHT & SOUND PROVIDES STATE OF THE ART PROJECTION AND AUDIO SYSTEMS FOR HISTORIC EGYPTIAN THEATRE

PROJECTION SYSTEM

Two remanufactured Philips Todd A-O 35/70mm projectors are the foundation of the system. These machines were totally disassembled, refinished and remanufactured to original manufacturing tolerances. New modern drive motors, electronics and controls were added allowing two projector interlock and variable speed operation.

The third machine is a Kinoton FP 38 ES 16/35 mm projector. It is the first theatrical installation in the United States of the first truly electronic film projector intended for cinema operation. There are no gears, instead, the machine utilizes a proven precision servo motor design for the intermittent movement.

Finally, there is a Hughes/JVC Model 34OSC video projector installed on a video lift. It is equipped with the new Hughes auto shading camera option for more precise image color control and an internal line quadrupler with frame rate doubler. The projector has all popular video sources available for playback. An AMX control system allows for format selection and system control.



AUDIO SYSTEM

The sound system is the most complete, state of the art cinema system in the world. The heart of the system is a Dolby CP 200 which has been overhauled and upgraded with the latest electronics. It has been modified with the assistance of Dolby Laboratories to provide those capabilities particular to this installation. The system provides for format and sound source selection internally and through an interconnecting AutoPatch network with overall AMX remote control functions.

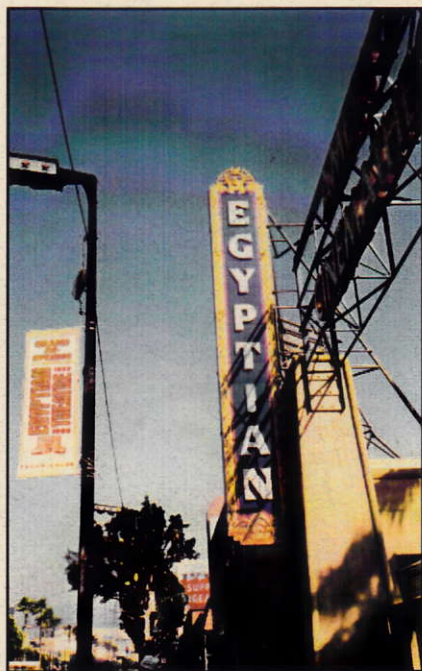
Based upon the proven THX cinema system design, the auditorium playback system has been upgraded with additional power amplification and processing equipment to improve intelligibility and dynamic range.

There are five full range stage channel loudspeakers behind the screen. They each have dual low frequency cabinets for cleaner, fuller, low end response. A separate sub-woofer channel has been included for dramatic, dynamic bass enhancement.

The surround sound loudspeakers are installed in three zones, each with their own processing to balance overall level and frequency response within the entire auditorium. Several small rear wall speakers cover under the balcony without overpowering that portion of the audience. There are a total of 38 speakers in the surround sound channels.

Playback of all current analog and digital sound formats is available for reproduction, including 70mm magnetic with split surrounds, Dolby Digital Surround EX, DTS and SDDS. All optical analog and digital film formats are available from all three projectors. All current SepMag formats are available and interlocked to any of the three film projectors.

There are a total of 24 amplifiers in the sound system, capable of providing over 27,000 watts of audio power to the audience.



SCREEN AND OPTICAL

All current 16, 35 and 70mm film formats are available as part of the system. All lenses are modern, multicoated and of German manufacture.

The screen was manufactured by MDI and installed by subcontractor Major Theatre Equipment. The surface is flat, matte white and has an available net picture area of 24' x 55'. It can be masked to as small as an 18' x 24' image via a four way movable masking system with independent top/bottom control. There are presets for all necessary film and video formats as well as the ability to jog to any size and shape within that range.

THE PROJECT

Boston Light & Sound, Inc. has been involved with the American Cinematheque since 1982. Design responsibility for the project was given over to BL&S by Christopher Reyna in 1986 and has gone through three different locations since that time. The current location has been under design and implementation since 1994. The initial specifications were developed by BL&S president Chapin Cutler. Tony Lazzaro completed the design with the assistance of Larry Shaw, principal of BL&S. Installation of the film system was done by Brian Wilson and the video system by Michael Rome.

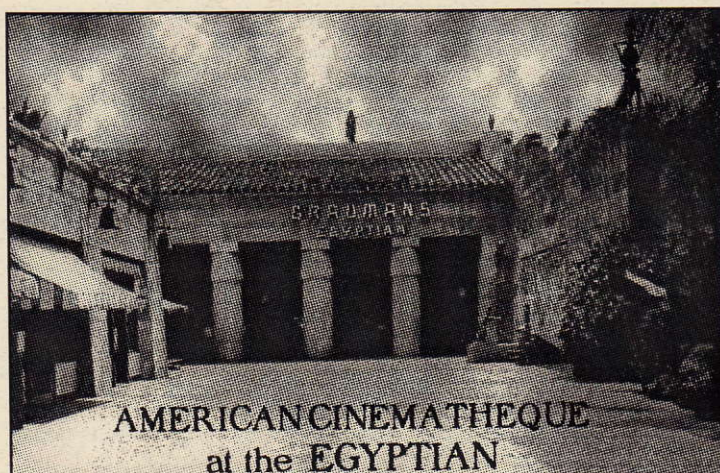
ABOUT BOSTON LIGHT & SOUND, INC.

In its twenty year history, Boston Light & Sound, Inc. has become a preeminent design, consultation, integration, supply and service company to the motion picture industry. Specializing in professional format motion picture projection equipment and systems, BL&S is active in cinema, museum, special venue, film production and multi-use facility design and installation.

Among its hallmark achievements are the design and mock up of special venue equipment for the Luxor Hotel in Las Vegas for the Trumbull Company; production and programming mock ups for T2/3D for Universal Theme Park Division; 3D VistaVision dailies for the Birds Experience, Universal Theme Park; two dual projector 70 mm 3D systems for the 1984 New Orleans Worlds Fair and the destination theatres for the Ellis Island restoration project.

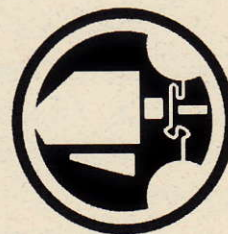
Design and consultation has been provided for such world class installations as Sony Lincoln Square Theatre, NYC; Universal Amphitheater film system, Hollywood, CA; Brooklyn Academy of Music Rose Cinema conversion, Brooklyn, NY; and Hawaii Theatre Center in Honolulu, Hawaii.

The Egyptian Theatre participates in the Kodak ScreenCheck program and is THX certified.



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