

**Case Study
(2-Minute Overview)**

R&M's Stagemaker[®] Concert Hoist with Raynok Motion Control System



Features/Benefits Provided:

- Smooth, quiet operation
- Pre-program cues
- Hook position accuracy of 1/4"

OVERVIEW: The project required eight (8) electric chain hoists to move video projectors to various preset levels during worship services in a Houston, TX church. The key requirements for the equipment were – the ability to have pre-programmed cues, the repeat accuracy of the hoist hook positions, the ability to adjust the hook positions if needed during and between cues of the service, and to not hear the hoists while in operation.

SOLUTION: R&M provided the Stagemaker[®] Configuration C Concert Hoists with Programmable Control. The system provided a reliable and affordable means to enhance the quality and efficiency of vertical movement. The Stagemaker[®] Configuration C Concert Hoists have a pulse sensor located on the chain sprocket providing a signal to the Raynok Motion Control System by Niskon Inc. The controller and software use the pulses provided by the hoist to continuously calculate the position of the hook for each hoist. Hoist selection can be defined for individual or group operation. The pre-selection, height adjustment, and delays can be set separately in order to create pre-programmed cues in accordance with the various requirements for each service. The complete system can provide hook position accuracy of 1/4" (+/- 15%) and a sound intensity during operation of less than 75 db.

Innovation ...

Performance ...

Reliability



R&M Materials Handling, Inc.
4501 Gateway Blvd.
Springfield, OH 45502
Ph: (800) 955-9967
Fax: (937) 325-5319
www.rmhoist.com

Proud Member of the
Hoist Manufacturers
Institute



WRAP UP: The R&M Stagemaker[®] Configuration C Concert Hoists with a Programmable Controller allow you to pre-program cues and control hoists individually, simultaneously or by groups. Its quietness makes it ideal for operation during worship services or performances.