

# MOTION TECHNOLOGY SOLUTIONS



E N T E R T A I N M E N T I N D U S T R Y

Your **First Choice**  
in Motion Technology Solutions  
for the Entertainment Industry



## SOLUTIONS FOR THE ENTERTAINMENT INDUSTRY

Custom-designed stage lifts and movable components are essential for creating exciting effects and dramatic reveals. Using combinations of actuators, acme screws, winches and hoists, **Duff-Norton Motion Technology Solutions for Entertainment** can move stages, props and scenery with reliable inspiring solutions.

Our latest control and safety technology make elements fully playable -- anything that has to move will -- safely, silently, and right on cue.

With over 20 years experience designing, manufacturing and installing stage equipment the only limitations are the foundation walls.

**Bring your imagination and explore the possibilities!**

Duff-Norton products can be found throughout stage and theater productions and  
**KEEP PRODUCTION RUNNING SMOOTHLY WITH**

### LINEAR ACTUATORS



Duff-Norton motion technology products are specially designed for high strength, reliability and long-life; making them ideal anywhere heavy loads have to be positioned and lifted accurately.

### ACME AND BALL SCREWS & NUTS

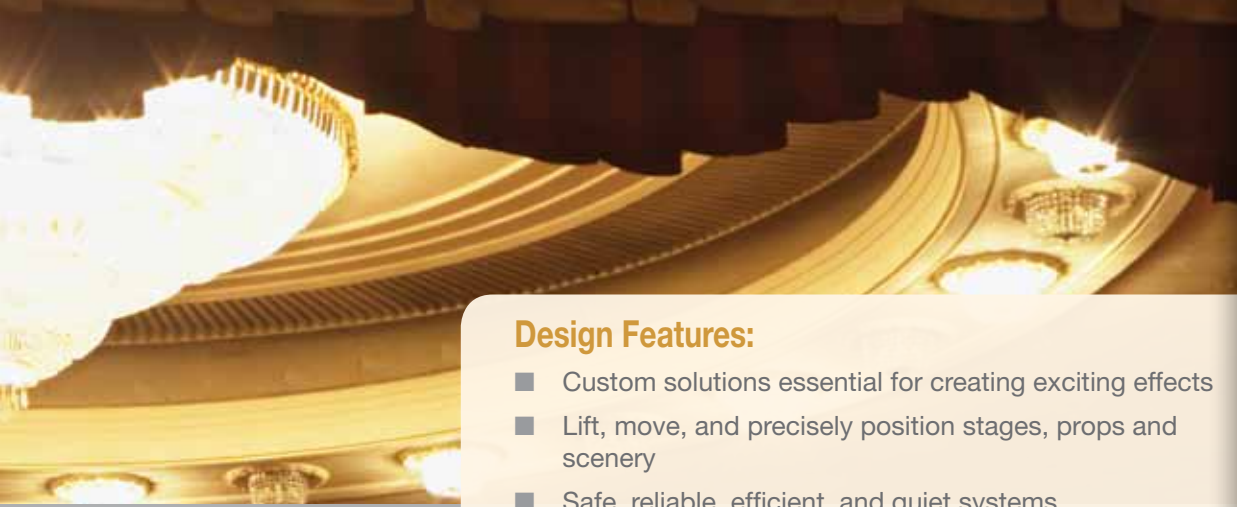


### SCREW JACKS



### WIRE ROPE WINCHES





### Design Features:

- Custom solutions essential for creating exciting effects
- Lift, move, and precisely position stages, props and scenery
- Safe, reliable, efficient, and quiet systems
- Control solutions including, synchronization, variable speed, and precise positioning options
- Low maintenance
- Adaptable to any facility
- Superior technical support for all of our motion technology products

We have been a leading supplier of equipment to meet these needs.  
**RELIABLE DUFF-NORTON PRODUCTS**

### Applications

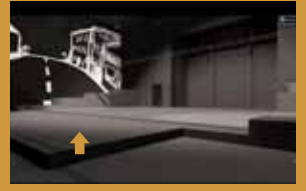
- Orchestra lifts
- Stage & podium lifts
- Video walls
- Sound baffles
- Acoustic screens
- Band equipment setup
- Moveable scenery
- Movable curtains
- Lighting systems
- Score boards
- and more...



Below stage lifting systems



Stage in place



Raised from below



Retracting



Fold for storage below



Overhead Wire Winch System



Lowering stage from above



Expanding stage



Stage in place

# 135 YEARS OF POSITIONING & PROCESS SOLUTIONS

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Since our beginning in 1883, Duff-Norton has earned a reputation for manufacturing reliable, high quality products meeting the lifting, positioning and transfer needs of our worldwide customers. Our Lifetime warranty for Mechanical Actuators sets new standards for product quality and reliability.

The Duff-Norton team is dedicated to customer service excellence. This is evident in our ISO 9001 certification and the high level of involvement of our Continuous Improvement Teams.



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