



# CURTAIN MACHINE SELECTION INFORMATION

## MACHINE DESCRIPTIONS

ADC curtain machines are designed for specific purposes, and each has certain characteristics which should be taken into consideration during the selection process. ADC's HERCULES<sup>®</sup>, SILVER SERVICE<sup>®</sup> and AUTODRAPE<sup>®</sup> lines include machines specifically designed to operate auditorium draw curtains, gym divider draw and lift curtains, and screen side, top and bottom masking curtains. The TOM THUMB<sup>®</sup> series machines are used for smaller and lighter weight applications of the same general nature as those described above. All curtain machine motors and control systems operate at line voltage unless otherwise specified. All machines are available with low voltage controls (standard on most machines).

### Auditorium Draw Curtain Machines:

Offer relatively fast operation with variable speed control available as an option. Models with larger than normal cable drums, or with driving wheels and track-mounted limit switches are also available. Draw curtain machines cannot not be used for lifting; they are not designed for an overhung type of load.

### Screen Masking Machines:

Available to operate side, top or bottom masking curtains and are similar to auditorium draw curtain machines except that a sprocket or spool drive is used in most cases in place of the conventional cable drum. The speed and travel are much less than that available with an auditorium draw curtain machine, providing greater stopping accuracy. Screen masking machines with 6" diameter aluminum drums and 4" diameter steel spools are available for use in masking systems with top and bottom corded tracks and with continuous loop systems.

### Lift Curtain Machines:

In general, utilize a high gear ratio and are intended for auditorium lift curtains. A magnetic brake is used to minimize the drift of the curtain. An auditorium lift machine typically moves the curtain at a somewhat slower speed than an auditorium draw machine. Top masking, gym divider, and similar lift machines generally operate quite slowly. Upon request, it is possible to increase the lifting speed with special drums, gear reduction units and variable speed drives. Altering the speed affects other characteristics of the machine and, therefore, must be designed on a per project basis.

In addition to being designated for specific purposes, ADC curtain machines are also classified according to versatility within each category of use.

### Intermediate Machines:

(Gym Divider) 1452, 2902, 6502, 933, 1453, 2903, 6503  
(Auditorium) 936, 1456, 2906, 6506, 963  
Tom Thumb: 872, 873, 1002, 1003

These machines have positive drives and limit switches but also have specific operational limitations.

The machines in this category are true Stop-Start-Reverse types but can be operated at only one control location.

### Versatile Curtain Machines:

(Draw Machines) 934, 1454, 2904, 6504, 2905, 6505, 7005, 2928, 2917, 2950, 2914, 2960, 2961, 2962, 2963  
(Variable Speed) 934-TV, 1454-TV, 2904-TV, 6504-TV, 2907-TV, 6507-TV, 7007-TV, 8007-TV, 9007-TV, 9507-TV  
(Side Masking) 940, 1460, 2910, 963S, 963  
(Lift Machines) 936-SFR, 2907, 7007, 8007, 9007  
(Tom Thumb) 872-MCS, 873-MCS, 1002-MCS, 1003-MCS, 1002-VEA, 1002-VED, 579

Versatile curtain machines provide complete flexibility of operation. All machines in this category are of the Stop-Start-Reverse type and can be used with any number of control switches. These curtain machines have magnetic control systems and are compatible with most automated controls. Low voltage control systems (optional on most machines) are available on all units within this category. Multi-Stop positioning is available on all but the variable speed and smallest units.

When selecting a curtain machine for a specific application, the type of machine (lift, draw, etc.) should be taken into consideration as well as the method of operation (INTERMEDIATE or VERSATILE). On lift curtain applications, allowance must be made for friction of lines over pulleys, etc. We do not recommend that any curtain machine be selected on the basis of its maximum capability, but that a safety factor always be allowed.

### Wireless Remote Control:



ADC's Wireless Remote Control system is ideal for operating one or more drapery machines from a hand-held transmitter. The system, which operates by radio signal, allows total flexibility in room layout because furniture and/or drapery fabrics do not interfere with the signal. Receiver measures 4-3/8" long x 2-1/2" wide x 1" deep and requires a 110 volt power source. Transmitter measures 3" long x 1-3/8" wide x 3/4" deep. Start, stop and reverse control is standard.

**Low Voltage Control is required on machines using Model WRC-1 Wireless Remote Control.**