

ROLL & COIL HANDLING EQUIPMENT

10 Year/250,000 Cycle Warranty

HIGHLY CUSTOMIZED AND AUTOMATED UNITS

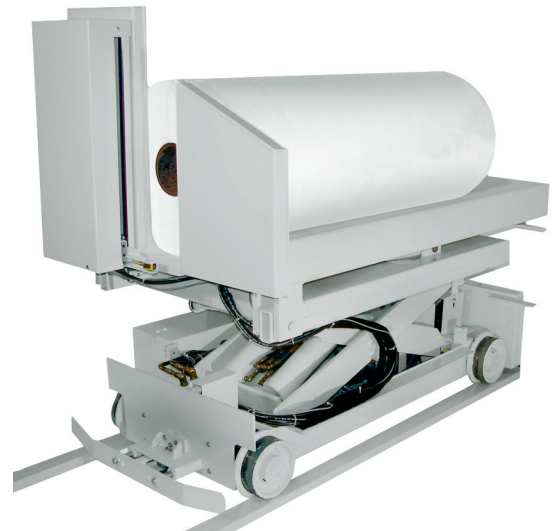
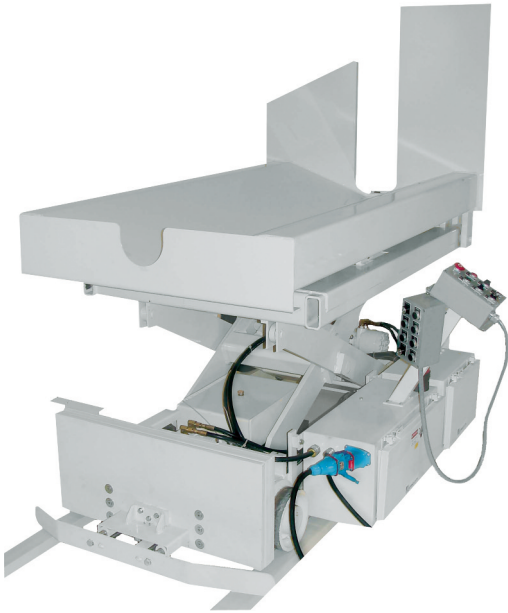
All roll and coil handling equipment is customized to some degree. No two applications are alike. Roll or coil sizes vary greatly in diameter, length and weight, while the manipulation requirements range from simple tilting or lifting, to multiple step manipulation and positioning in automated sequences. Positioning requirements can range from 1/4" to .030". Automated requirements may be as simple as single controls with limit switches or electric eyes, up to fully automated operations that require multiple sensors and large programmable logic controllers. Whatever the requirements are for your application, you may rest assured that we have the engineering expertise and experience to meet your needs.

SAMPLE FEATURES

It is impossible to illustrate all of the custom and automation features that can be created so we are limited to showing you a small sampling. The photos on the opposite page are of two similar, but slightly different units that contain the following special features:

- ▶ **AUTOMATED MANDREL LOADING AND UNLOADING:** This feature allows a single button to begin a fully automatic mandrel loading or unloading operation. Manual operation is also possible.
- ▶ **MANDREL DROOP COMPENSATION:** During the automatic operations the buggy can sense any binding caused by mandrel droop and automatically compensate.
- ▶ **LOAD SENSING:** The buggy knows when a roll is or is not present.
- ▶ **CORE SENSING AND MEASUREMENT:** With varying roll diameters the core height is automatically measured, which allows a roll to be accurately positioned vertically to begin the loading of the mandrel.
- ▶ **PRECISE POSITIONING:** The variable speed vertical positioning is precise to $\pm 1/16"$.
- ▶ **COUNTERWEIGHTED SELF PROPELLED BASE:** The variable speed self propelled base uses flanged wheels to ride flat tracks and is counterweighted to avoid the need for base extensions or straddles when the "V" deck is tilted upright.
- ▶ **OBSTACLE SENSING BUMPERS:** The bumpers are spring-loaded and quickly stop the buggy when an obstacle is encountered.
- ▶ **90 DEGREE UPENDING:** The rolls can be rotated so that the cores are either horizontal or vertical.
- ▶ **CUSTOM PLATFORM PROFILING:** One platform is cut on a diagonal to fit equipment extensions on the interfacing mandrel machinery.

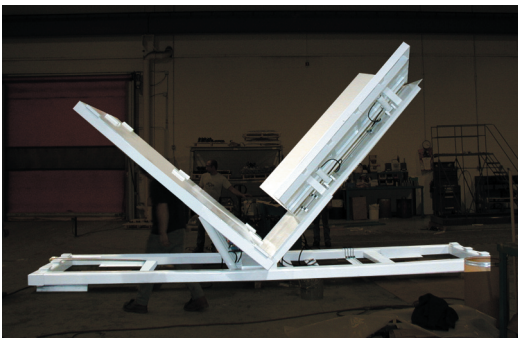
***AUTOMATION AND CUSTOMIZATION FEATURES
ARE ONLY LIMITED BY YOUR IMAGINATION AND BUDGET.***



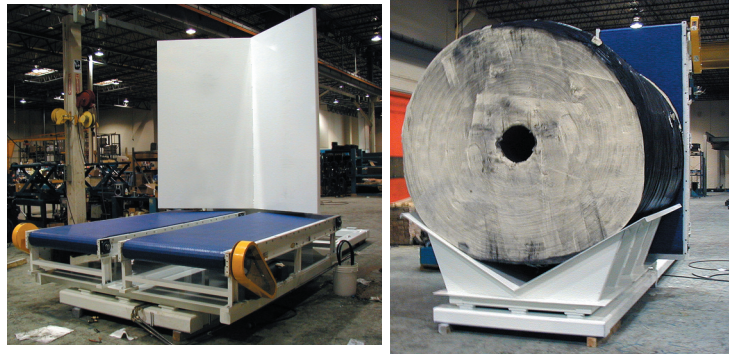
UPENDERS WITH “V” DECKS

These products simply rotate 90° to move a roll or coil from its side to an end or vice versa. They are often used as palletizers or depalletizers. There are many standard models in our “Lift, Tilt & Turn” catalog and all of those models can be equipped with “V” decks. However, the nature of the roll and coil business is to produce items requiring custom equipment. The following photos illustrate a few of the products that we have designed to suit customer needs.

UPENDER WITH ADJUSTABLE “V” DECK



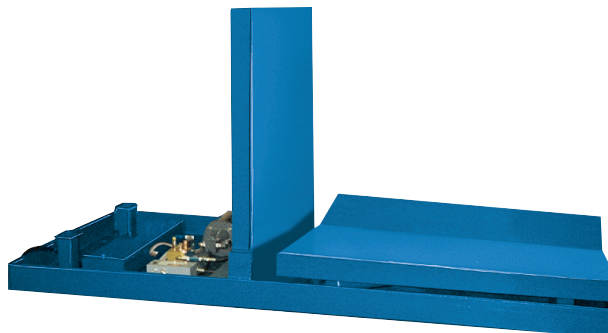
DEEP “V” DECK UPENDER WITH POWERED CONVEYOR FLAT DECK



“V” DECK UPENDER WITH POWERED ROLLER CONVEYOR ON FLAT DECK



UPENDER WITH BASIC “V” DECK



LIFTS WITH “V” DECKS:

The simplest form of roll or coil handling equipment is the scissor lift equipped with a “V” deck. Our “Lift, Tilt & Turn” catalog offers many lifts to choose from. Special configurations are always available.

“V” DECK OPTIONS:

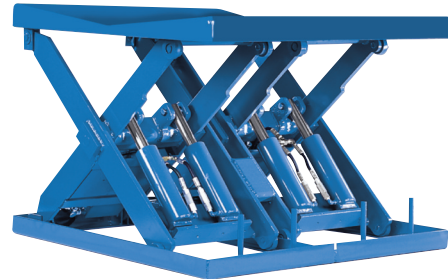
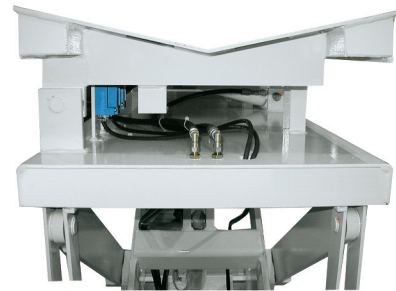
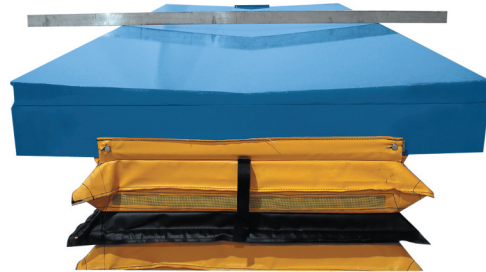
- ▶ Standard “V” deck is the full width of the platform and raises 1" per foot from the center of the platform.
- ▶ Deep “V” decks can be constructed with whatever angle and depth you specify.
- ▶ Flat side decks with a shallow “V” in the center of the platform is a common option.
- ▶ Hydraulically adjustable “V” decks are available.
- ▶ “V” decks with one side hydraulically lowered to horizontal for easy roll on or off are available.

SCISSORS LIFT OPTIONS:

- ▶ Bellow safety skirts.
- ▶ Turntable base either powered or manual.

FLAT DECK OPTIONS:

- ▶ Standard flat deck.
- ▶ Gravity conveyor.
- ▶ Powered roller conveyor.
- ▶ Powered belt conveyor.



The uniqueness of each roll or coil lift application rules out any standard lift model, but with a little forethought and problem analysis, excellent solutions are fairly easy to achieve. We at Advance Lifts have built many configurations of roll & coil lifts and are eager to help you design a perfect fit for your application. Please give us a call and allow us to put our expertise to work for you.