

YESTERDAY'S INTEGRITY. TOMORROW'S TECHNOLOGY.

# COIL REELS

Non-Motorized / Pull-Off Type  
Models: R40, R60, R80



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AUTOMATION

 MADE IN THE U.S.A.

# Models: R40, R60 & R80

## Non-Motorized, Pull-Off Type

### Standard Specifications:

Maximum coil weight.....	4,000 / 6,000 / 8,000 lbs.
Maximum coil width.....	12 / 18 / 24 / 30 / 36 inches
Maximum coil outer diameter.....	72 inches
Mandrel expansion range.....	15 5/8 – 21 1/2 inches

### Standard Features:

- ■ Three pad mandrel assembly
- ■ Radiused mandrel pads for maximum coil ID surface contact
- ■ Link type expansion
- ■ Main spindle mounted pillow block bearings
- ■ Air brake mounted on main spindle
- ■ Heavy duty welded steel cabinet made with 1/2" steel
- ■ Access holes and with covers
- ■ Front and rear adjustable keeper arms (6) with weight reducing bored holes.
- ■ Manual expansion of mandrel assembly via flip out expansion handle
- ■ Guard back plate – 30 Diameter
- ■ 72" Coil OD capacity
- ■ Outboard pressure regulator and gauges for all pneumatic functions
- ■ Payoff direction (L-R or R-L)

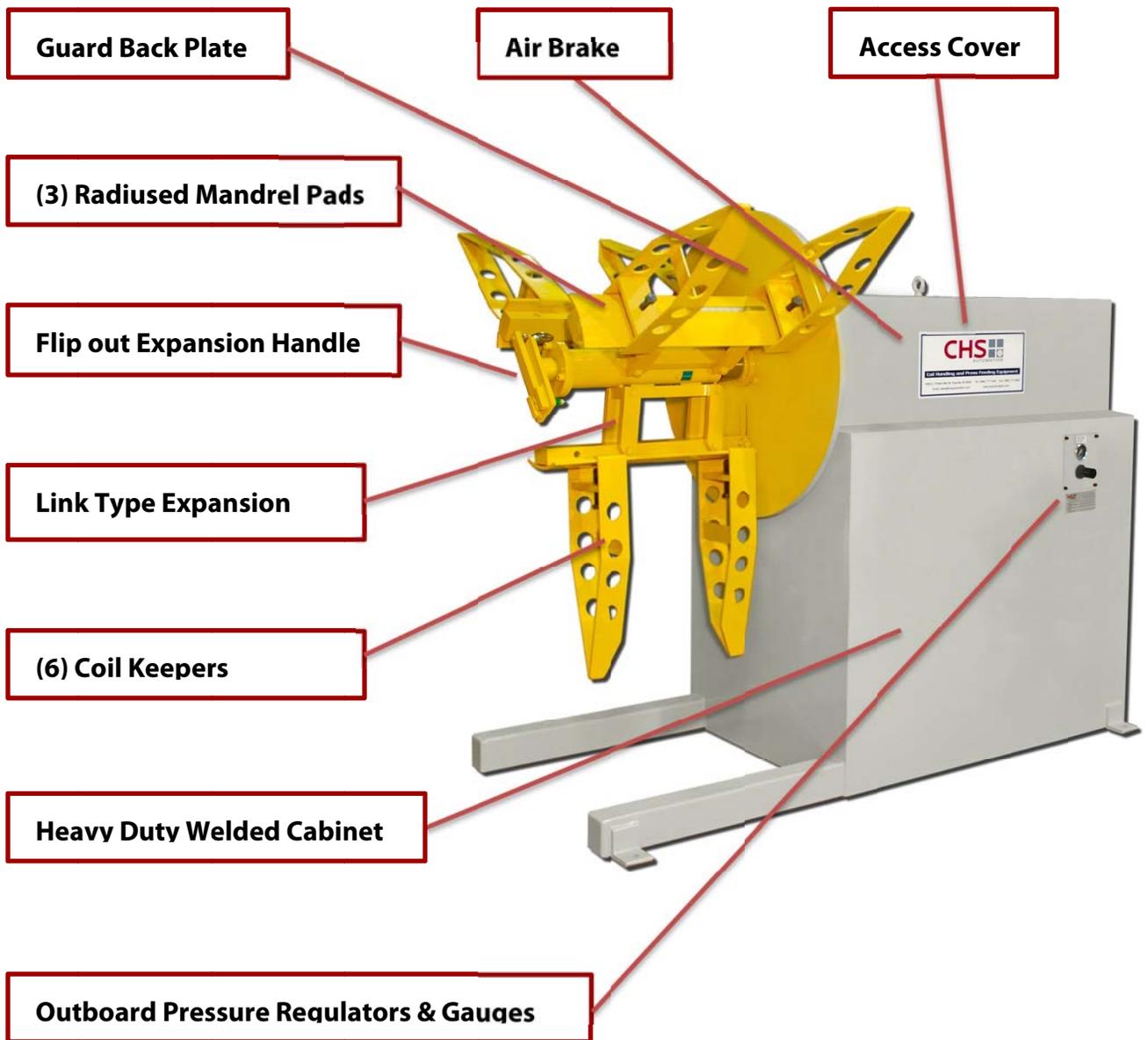
### Optional Features:

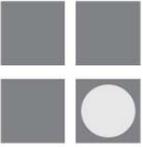
- ■ Hydraulic expansion of mandrel assembly
- ■ Hydraulic thread drive
- ■ Coil hold down arm with non-marking end wheel
- ■ Clock spring safety guard (protects isle from coil)
- ■ Coil width scales recessed into mandrel pads
- ■ Quick clamping coil keeper arms (6)
- ■ Full radius mandrel pads
- ■ Full OD back plate
- ■ Wedge-type expansion
- ■ Traveling coil load car



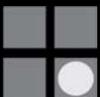
# Standard Features

Models R40, R60 & R80



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# Standard Feature Descriptions

## Models R40, R60 & R80

### **Three pad mandrel assembly**

The three pad mandrel assembly allows for three points of contact of inter diameter of the coil and provides effective control.

### **Radiused mandrel pads**

The radiused mandrel pads are designed to maximize coil ID surface contact, but small enough to allow space between the pad for coil loading with a coil hook or strap.

### **Main spindle mounted pillow block bearings**

The spindle is mounted in two pillow block bearing. This arrangement provides greater radial and thrust load rating and provides long longevity when lubricated correctly.

### **Air brake mounted on main spindle**

The coil reel payoff rate is controlled by the pulling equipment. The reel has an air brake mounted on the main spindle assembly for controlling the tension between the reel and pulling equipment during operation. A regulator will be mounted on the reel cabinet for adjusting the amount of drag pressure required.

### **Heavy duty welded steel cabinet made with ½" plate steel**

The main cabinet base is made of heavy gauge welded steel to easily support the rated load capacities. Four mounting pads are provided for securing the machine to the floor.

### **Access holes and with covers**

The cabinet is designed with access holes and covers allowing for proper maintenance access and while providing proper safety guarding.

### **Front and rear adjustable keeper arms (6)**

Six coil keepers are provided as a standard with every reel and are designed with weight reducing holes. Hex head bolts allow for the keepers to be secured in place once they are slide into proper placement on the pads.

### **Manual expansion of mandrel assembly via flip out expansion handle**

Mandrel pad expansion is accomplished through a bearing mounted screw assembly. The main crank arm flips outward to provide increased leverage. Crank arm folds inward to protect from incidental damage.

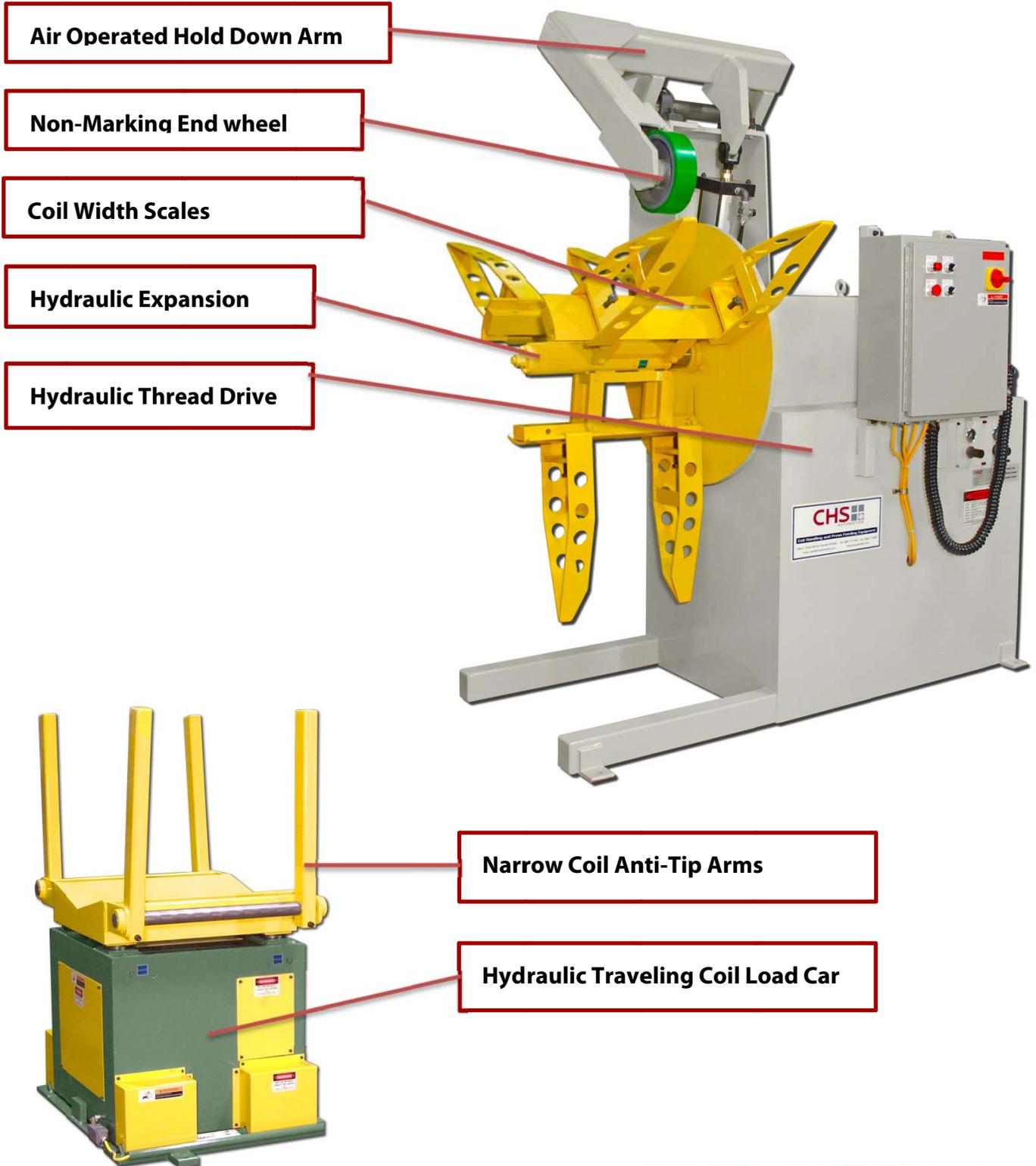
### **Outboard pressure regulator and gauges for all pneumatic functions**

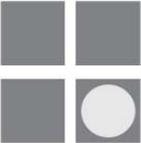
The pressure regulators and gauges are conveniently mounted for ease of adjustment and visibility.



# Optional Features

Models R40, R60 & R80



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# Optional Feature Descriptions

## Models R40, R60 & R80

### **Hydraulic expansion of mandrel assembly**

Support arms contract for ease of loading and expanding in the coil inter diameter. Expansion and contraction is accomplished through a hydraulic cylinder and draw rod arrangement that is controlled by a solenoid valve and selector switch.

### **Hydraulic thread drive**

The thread drive feature can be added to assist in threading the lead edge of the material into the pulling equipment. This is accomplished through a hydraulic motor that is tied to the spindle via chain and sprocket. It also allows for the re-wrapping of coils if need be.

### **Coil hold down arm with non-marking end wheel**

An adjustable air or hydraulic operated hold down arm is actuated through a solenoid valve and selector switch on the control panel. The polyurethane coated end wheel is designed to assist in preventing the coil from clock springing without marking the material. The motorized end wheel facilitates power threading and aids in rewinding operations by providing tighter coil wraps.

### **Clock spring safety guard (protects isle from coil)**

A clock spring guard prevents inadvertent contact with the rotating mandrel assembly. This reinforced guard is highly recommended when the coil reel is located in close proximity to an isle way.

### **Coil width scales recessed into mandrel pads**

Measuring scales for centering the coil on the mandrel pads recessed for protection. They are designed to increase the efficiencies of loading and properly aligning the material during setup.

### **Quick clamping coil keepers (6)**

The quick clamping feature decreases the amount of time it takes to properly stage a coil on the mandrel pads. It replaces the standard bolts with handled clamps that firmly hold and quickly release the keepers on the mandrel pads.

### **Full radius mandrel pads**

Full radius pads are designed to give maximum contact in the inter diameter of the coil. This is feature prevents the triangulation of light gauge material or cored material.

### **Traveling coil load car**

The traveling coil load car can be used for a pre-staged coil that travels in and via hydraulics and decreases the amount of loading deficiencies.

### **Narrow coil anti-tip arms**

The ant-tip arms support narrow coils from tipping on the load car and are adjustable for various widths and swing out for larger coils.

