

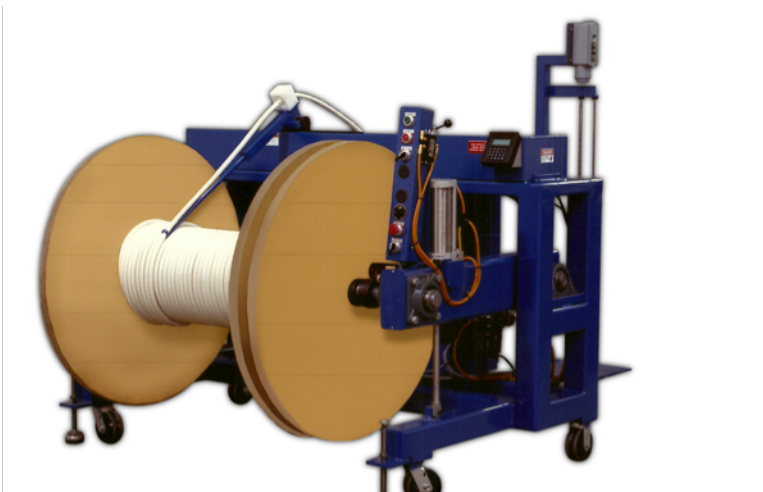


VULCAN MACHINERY CORP.

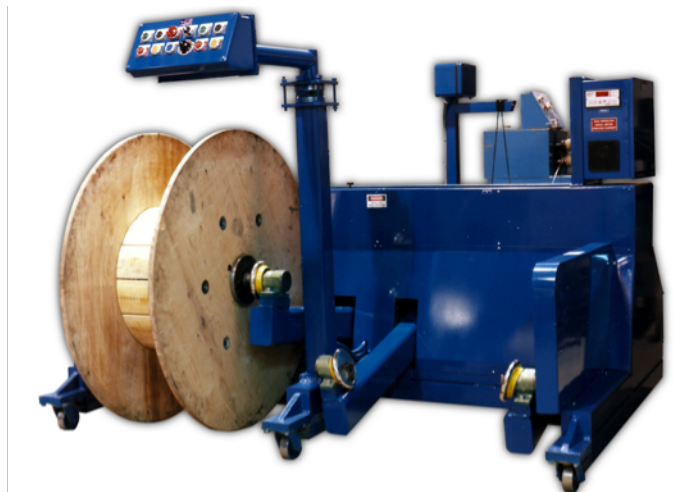
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Engineering Makes The Difference™

**HEAVY REEL COILER
 HRC Series**



Single Spindle Coiler



Dual Spindle Coiler

Single Model Number	Dual Model Number	Max. Reel Flange O.D. (inches)	Max. Reel Width (inches)	Single Model Number	Dual Model Number	Max. Reel Flange O.D. (inches)	Max. Reel Width (inches)
SHRC3624	DHRC3624	36	24	SHRC6036	DHRC6036	60	36
SHRC4824	DHRC4824	48	24	SHRC3642	DHRC3642	36	42
SHRC6024	DHRC6024	60	24	SHRC4842	DHRC4842	48	42
SHRC3630	DHRC3630	36	30	SHRC6042	DHRC6042	60	42
SHRC4830	DHRC4830	48	30	SHRC3648	DHRC3648	36	48
SHRC6030	DHRC6030	60	30	SHRC4848	DHRC4848	48	48
SHRC3636	DHRC3636	36	36	SHRC6048	DHRC6048	60	48
SHRC4836	DHRC4836	48	36				

APPLICATION:

- The HRC Series Heavy Reel Coilers are designed to coil large reels of extrudate in single or dual, shaftless or through shaft configurations. An ultrasonic contactless dancer monitors the product providing low coiling tension. When higher levels of coiling tension are required, the dual axis servo drive can be programmed to accept “tension” mode variables via a panel mounted operator control keypad.
- As part of the standard configuration, Vulcan HRC series heavy reel coilers are equipped with a powered doffing system, which raise and lower the reel to the floor or transport device. The standard doffing system capacity is 1200 lbs. For applications not requiring this feature, Vulcan offers an economical fixed shaft configuration.

PROGRAMMABLE CONTROLS:

- 4.1" LCD touch screen HMI
- Proprietary software driven display
 - Guides operator through set-up and prevents input errors
- Start pushbutton
- Emergency stop pushbutton
- Single turn line speed potentiometer (for manual operation)
- Reset traverser pushbutton
- Automatic/manual locking selector switch
- Manual counter override with counter reset
 - Pushbutton for reset after package

TRAVERSER:

- Traverser drive is servo motor-driven
- Servo motor traverser is electronically coupled to spindle drive via integrated LAN communications network
- Traverser automatically slows down proprietary as RPM of spindle changes with package build-up or line speed changes
 - Pitch infinitely adjustable throughout range
- Multiple traversing patterns include instantaneous and delayed reversal, pancake winding and geometric end point control

ULTRASONIC DANCER:

- Loop detection by ultrasonic dancer making no contact with product
 - Sensors determine amplitude of loop by reflection of time-sequenced ultrasonic tones
 - Microprocessor computes loop position and adjusts coiler speed instantly, as required

PRODUCT GUIDE:

- Product guide system provides close coupling to spool, resulting in precise lay-on with low tension
- One set of product guides furnished with coiler
 - Provisions for tensioning and tension control offered as optional features

SPINDLE CONFIGURATION:

- Standard spindle configuration is a through shaft with square ends to fit a square pocket in a tilt flange safety chuck
- Optional stub spindles engage and disengage reels by air cylinders
 - Provides for shaftless operation
 - Drive pin prevents reel from rotating on spindle
 - Quick removal and replacements of reels is possible
 - Min. reel width is 6" less than max. shown in table

REEL REMOVAL:

- Reel supports arms and reel spindle rotates by air cylinder actuation to allow full reel to be set on floor or pallet
 - Facilities handling reel weights to 1200 lbs.

DRIVE TRAIN:

- Drive Motor are class H, low inertia, brushless AC servo motors
- Coiler drives are geared in at customer's desired max. speed
 - Max. to min. coiling speed is over 2000 to 1

FRAME:

- Heavy wall tubing, steel plate and structural sections
- Two rigid and two swivel casters and hold-downs
- Screw type floor jacks
- Fully guarded drive train and electrical components

ELECTRICAL:

- Standard Electrical is 230 Volt/3 Phase/60 Hertz
 - Electrical other than the above is available as an option

OPTIONS:

- Custom winding heads for reeless packages
- Fully programmable cut length system
- Tension adding and controlling system for applications requiring tension
- Automatic storage/retrieval of process parameters based on part numbers
- Extra product guides



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