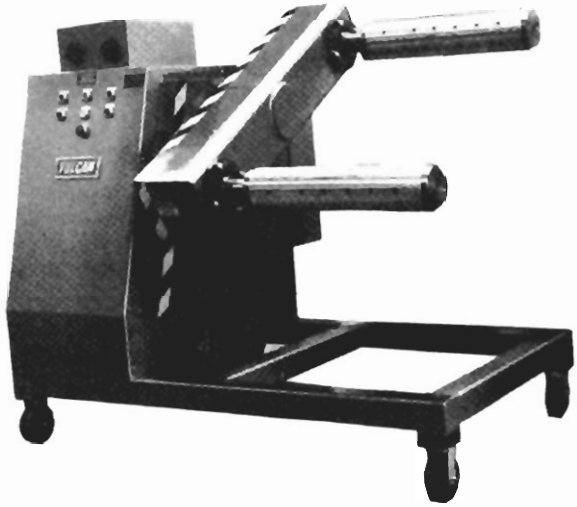
VULCAN CANTILEVERED WINDERS
CW SERIES



Turret Winder (CTW)
(Shown with Button Type
Expandable Shaft)

Fixed Shaft (CFW)
(Shown with Bladder
Type Expandable Chucks)

MODELS AVAILABLE:

Fixed Shaft Single Spindle	Fixed Shaft Dual Spindle	Turret Dual Spindle	Nominal Expandable Shaft - OD	Maximum Sheet Width	**Maximum Roll O.D.	Maximum Spindle Weight
SCFW-318	DCFW-318	CTW-318	3"	18"	24"	300 Lbs.
SCFW-630	DCFW-630	CTW-630	6"	30"	24"	500 Lbs.
SCFW-842	DCFW-842	CTW-842	8"	42"	24"	600 Lbs.
SCFW-1048	DCFW-1048	CTW-1048	10"	48"	24"	700 Lbs.

** Larger O.D.'s can be quoted

APPLICATIONS:

Vulcan Cantilevered Winders are available in both turret and fixed shaft spindle arrangements. With the spindle only supported at one end, the maximum spindle capacity of cantilevered winders is substantially reduced from that of a winder with the shaft supported on both ends. Because of the easy access to the spindle from the unsupported end, cantilevered winders are particularly suited to the winding of rolls with smaller O.D.'s and narrower widths where the cycle time requires rather quick transfer of the web and reduced roll doffing time. Vulcan Cantilevered Shaft Winders are designed such that the maximum package weights as shown in the table and as produced by various combinations of product density, sheet width, roll O.D. and winding tensions will not deflect the cantilevered shafts sufficiently to cause telescoping of the wound sheet.

FRAME:

- Heavy wall tubing, formed plate, and structural steel weldments
- Two rigid v-groove and two swivel v-groove casters
- Screw-type floor locks
- Guarding completely covering all moving parts except winding spindles

LOAD CAPACITY:

- Maximum allowed spindle weights are as shown in the table

DRIVE TRAIN:

- Standard - separate constant tension winding duty motor for each spindle
  - Tension level remains constant as roll builds from core to O.D. of the roll
  - Tension level is adjustable by variable transformer to a maximum level of 2 PLI unless otherwise specified
  - Four speed transmission allows maximum to minimum spindle range of 50 to 1
- Optional - fully programmable closed loop AC brushless servo drive and control clutched from one spindle to another
  - Maximum to minimum spindle RPM range in excess of 1000 to 1
  - Maximum tension level of 2 PLI; higher levels available

SPINDLES:

- Cantilevered Winders with 3" O.D. spindles are furnished only with button type expandable shafts. Winders with spindle O.D.'s larger than 3" are furnished with inflatable bladder type expandable chucks as standard.

TURRET ARRANGEMENT (Turret Type Winders Only):

- Turret rotates at 2 RPM
- Turret rotates both clockwise and counter-clockwise
- Turreting full roll places web over empty spindle to provide easy manual transfer of the web
- Brake on turret drive prevents back-driving by full roll

CONTROLS AND ELECTRICAL:

- Winding Duty Motor Driven Units - (Standard)
  - Motor On/Off push buttons for each winding spindle
  - Forward/Reverse turret index push buttons (Turret Coilers only)
  - Single turn rotary knob for tension control - each spindle
  - Variable AC transformer with single turn rotary know selects the voltage on the motor which, in turn, controls the winding tension
  - 460 Volt, 3 Phase, 60 Hertz
- AC Brushless Servo Driven Units - (Optional)
  - All parameters are adjustable "on the fly" via a 4-line LCD operator control station with key pad input
  - Drive can be programmed for constant tension, torque taper, dancer control, constant torque, or position error, depending on application requirement
  - 230 Volt, 3 Phase, 60 Hertz

OPTIONS:

- Sleeve type expandable or expandable rubber bladder type spindle chucks
- Larger roll O.D.'s and roll weights than shown in the table are available
- Electrical other than shown above
- Servo motor driven spindles

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