



**VULCAN MACHINERY CORP.**

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*Engineering Makes The Difference™*

**CANTILEVERED WINDER  
 CW Series**



Turret Winder (CTW) with Automatic Cut and Transfer



Fixed Shaft (CFW) with Bladder Type Expandable Chucks

| Fixed Shaft Single Spindle | Fixed Shaft Dual Spindle | Turret Dual Spindle | Nominal Expandable Shaft O.D. (inches) | Max. Sheet Width (inches) | Max. Roll O.D. (inches) | Max. Spindle Weight (lbs.) |
|----------------------------|--------------------------|---------------------|--|---------------------------|-------------------------|----------------------------|
| SCFW318                    | DCFW318                  | CTW318              | 3                                      | 18                        | 24                      | 300                        |
| SCFW630                    | DCFW630                  | CTW630              | 6                                      | 30                        | 24                      | 500                        |
| SCFW842                    | DCFW842                  | CTW842              | 8                                      | 42                        | 24                      | 600                        |
| SCFW1048                   | DCFW1048                 | CTW1048             | 10                                     | 48                        | 24                      | 700                        |

**APPLICATION:**

- The Cantilevered Winders are available in both turret and fixed shaft spindle arrangements. With the spindle only supported at one end, the max. spindle capacity of cantilevered winders is substantially reduced from that of a winder with the shaft supported on both ends.
- Recent improvements provide the introduction of an outboard support during winding, allowing greater spindle capacities. The outboard support is retracted during the spindle turret, after cut and transfer.
- 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 on the web and reduced roll doffing time. Vulcan's Cantilevered Shaft Winders are designated such that the max. 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.

## **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)
- Automatic/manual locking selector switch
- Manual counter override with counter reset
  - Pushbutton for reset after package

## **LOAD CAPACITY:**

- Max. capacity – 700 lbs.
- With optional retractable outboard support, greater spindle package weights can be achieved

## **SPINDLE CONFIGURATION:**

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

## **TURRET ARRANGEMENT:**

- Turret rotates at 2 RPM
- Turret rotates both clockwise and counter-clockwise
- Turret 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

## **DRIVE TRAIN:**

- Drive Motor are class H, low inertia, brushless AC servo motors
- Winder drives are geared in at customer's desired max. speed

## **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:**

- Sleeve type expandable or expandable runner bladder type spindle chucks
- Larger roll O.D.'s and roll weights are available
- Retractable outboard spindle support
- Automatic cut and transfer on CFW models



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