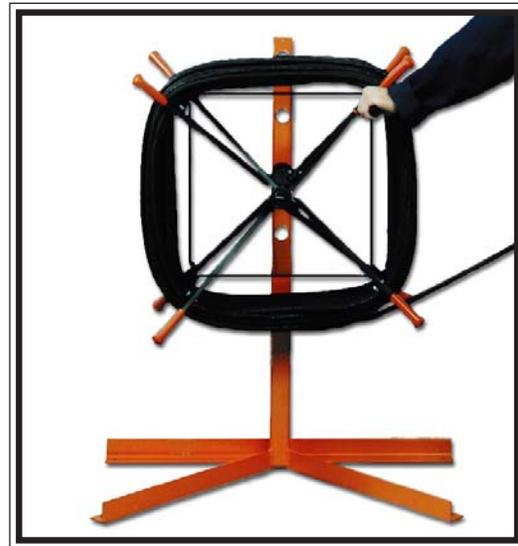
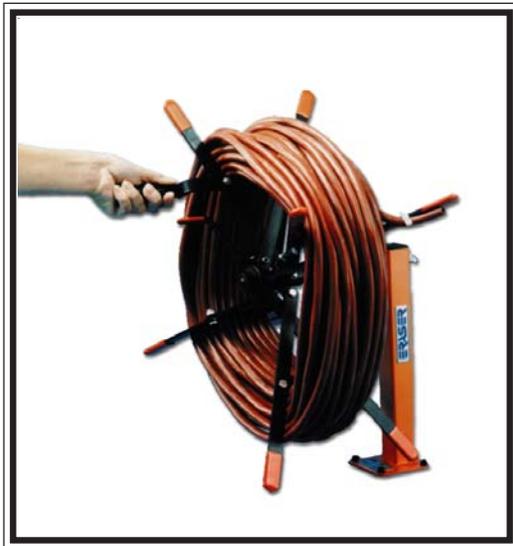




Always Moving Forward

Operating Manual

Please Read Before Operating Unit



Models CW10, CW20 & CW30 Coilers

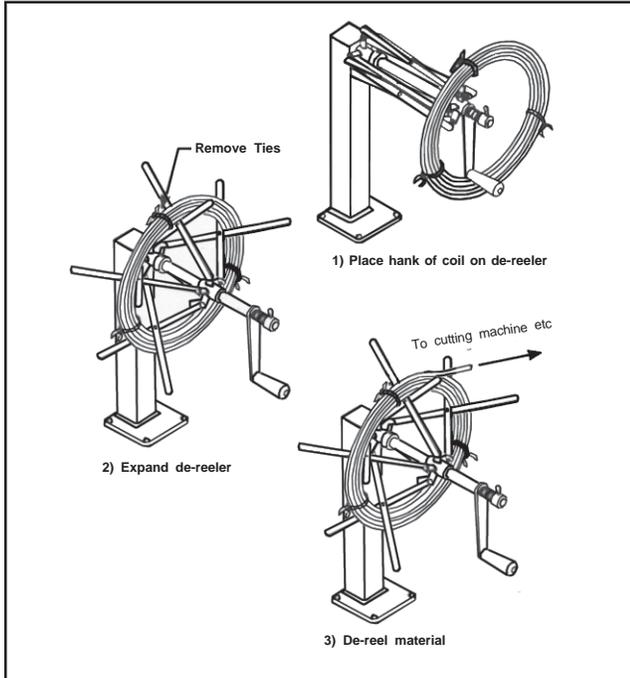
Service and All Spare Parts Available

The Eraser Company, Inc.
PO Box 4961/ Oliva Drive
Syracuse, NY 13221, USA

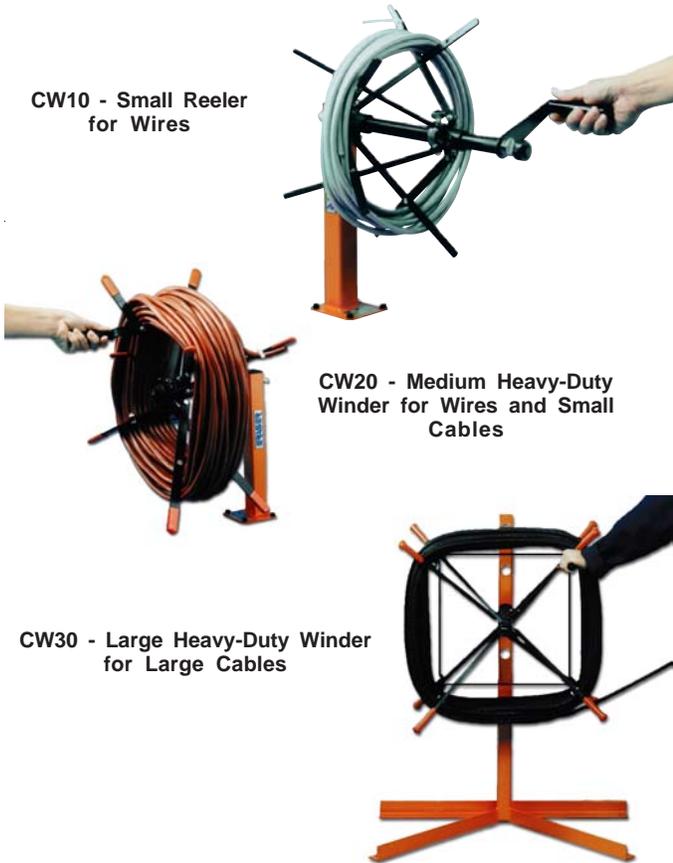
ISO 9001:2000
CERTIFIED

Phone: (315) 454-3237
Fax: (315) 454-3090
Website: www.eraser.com
E-mail: info@eraser.com

Operation



The CW10 shown used to de-reel. To reel material into coils or hanks reverse the operation shown.



A range of collapsible reelers for producing neat coils of material or may also be used for de-reeling materials supplied in hanks or coils. All units are easy to use and incorporate devices to attach material to reel frame when starting a coil. The Model CW10 and CW20 have an adjustable clutch arrangement to prevent overruns in de-reeling applications. Ideal for production kitting, jobbers, electrical contractors and all users of long lengths of wire and cables.

The ideal units to use in de-reeling, measuring, cutting and reeling operations.

The CW10 and CW20 are supplied as standard with bench stands and the CW30 is supplied as standard with a floor stand. An optional adjustable floor stand is available for the CW10 and CW20.

Specifications

Specifications	CW10	CW20	CW30
Recommended For:	Small Wires	Wires and Small Cables	Large Cables
Inside Diameter of Coil:	Variable 5" to 12" (127mm to 305mm)	Fixed 12" (305mm)	Fixed 27" (686mm)
Outside Diameter of Coil:	See Capacity	Variable up to 16.5" (419mm)	Variable up to 31.5" (800mm)
Width of Coil:			
At Inside Diameter	See Capacity	Up to 3.5" (89mm)	Up to 6.25" (159mm)
At Maximum Outside Diameter	See Capacity	Up to 7.5" (191mm)	Up to 9.5" (241mm)
Approximate Capacity:	Up to 1000 feet of 1/8" O.D. wire (305M of 3.18mm) or equivalent Max weight 55 lbs(25kg)	Up to 1200 feet of 1/4" O.D. power cord (366M of 6.35mm) or equivalent Max weight 60 lbs (27.3Kg)	Up to 300 feet of 3/4" O.D. cable (91M of 19mm) or equivalent Max weight 150 lbs (68.2Kg)
Standard Bench Stand:	Center of coil 11.25" (286mm) from bench	Center of coil 11.25" (286mm) from bench	Not applicable
Optional Bench Stand:	Center of coil 18.25" (464mm) from bench	Center of coil 18.25" (464mm) from bench	Not applicable
Floor Stand:	Optional, center of coil adjustable from 35.25" to 53.25" (895mm to 1353mm) from floor	Optional, center of coil adjustable from 35.25" to 53.25" (895mm to 1353mm) from floor	Standard, center of coil 24.25", 30.25", 36.25" or 42.25" (616mm, 768mm, 921mm or 1073 mm) from floor
Overall Size:	15" x 25" x 17.5" (381mm x 635mm x 445mm)	17.75" x 21.75" x 22" (451mm x 552mm x 559mm)	36" x 26" x 60" (914mm x 660mm x 1524mm)
Net Weight:	8.5 lbs (3.86Kg)	11 lbs (5Kg)	65 lbs (29.5Kg)

Ordering Information and Accessories

AR6001 (CW10).....Small Winder
 AR7001 (CW20).....Medium Winder
 AR8001 (CW30).....Large Winder
 IR0491.....Optional bench stand
 IR0492.....Optional adjustable floor stand

Service and spare parts available

Models CW10, CW20, CW30 Coilers

OPERATING INSTRUCTIONS

SET UP:

CW10: The CW10 is shipped partially assembled. The following items should be received:

- 1 winder assembly
- 1 vertical bench stand
- 1 horizontal winder shaft
- 1 2-piece clutch assembly (1 washer with pin; 1 fiber washer)
- 1 compression spring
- 1 retaining collar
- 1 retaining nut
- 4 material retaining cable ties

Anchor the vertical bench stand to the bench. Insert the horizontal winder shaft through the hole in the top of the bench stand, thread on the retaining nut and tighten.

Slide the gray fiber clutch washer onto the shaft until it rests against the bench stand. Then slide the black clutch washer onto the winder shaft, tight against the gray washer, with the pin projecting away from the bench stand.

Slide the winder assembly onto the shaft with the handle projecting away from the bench stand. Slide it tight against the clutch assembly and ensure that the pin on the black clutch washer projects between two of the winder assembly arms. Next slide the compression spring and the retaining collar onto the shaft, compress the spring and lock the retaining collar in position using the thumb screw.

CW20: The CW20 is shipped partially assembled. The following items should be received.

- 1 winder assembly
- 1 vertical bench stand
- 1 horizontal winder shaft
- 1 compression spring
- 1 2-piece clutch assembly (1 washer with pin; 1 fiber washer)
- 1 retaining nut
- 1 clutch retaining collar
- 4 material retaining cable ties

Anchor the vertical bench stand to the bench. Insert the horizontal winder shaft through the hole at the top of the bench stand, thread on the retaining nut and tighten. Slide the compression spring onto the shaft until it rests against the bench stand. Position the winder assembly on the bench stand. Slide on the black clutch washer with the pin projecting towards the winder assembly, and ensure that the pin projects between 2 of the winder assembly arms. Then place the gray fiber friction clutch washer onto the shaft against the black washer. Slide the clutch retaining collar onto the shaft with the washer side against the fiber washer and tighten, using the thumb screw.

CW30: The CW30 is shipped partially assembled. The following items should be received:

- 1 adjustable floor stand
- 1 winder assembly
- 1 horizontal winder shaft
- 1 washer
- 1 retaining pin
- 1 nose collar
- 1 cotter pin
- 4 material retaining cable ties

Position the floor stand so that the 45 degree angle legs are to the front of the unit when assembled. The floor stand has 4 set of mounting holes facing the front of the unit to allow the winder assembly to be positioned at the desired height from the floor. For safety purposes, it is recommended that the floor stand be anchored to the floor.

The horizontal winder shaft has a 1/2" diameter cross hole in one end and a 3/16" diameter cross hole in the other. Insert the shaft end containing the 1/2" diameter hole into the front of the desired mounting hole of the floor stand. Align the 1/2" diameter hole in the shaft with the holes in the sides of the floor stand. Then insert the retaining pin through either of the side holes in the floor stand until it goes through the shaft hole and snaps into position.

CAUTION: Be sure the retaining pin snaps into position and the horizontal shaft is securely held before proceeding. Operator injury may result from incorrect assembly.

Slide the large washer on the shaft until it rests against the floor stand. Place the winder assembly on the shaft with the handle projecting away from the floor stand. Slide the nose collar onto the shaft and align the cross hole in the collar with the 3/16" diameter hole in the shaft end. Insert the locking cotter pin through the collar and the shaft and bend the ends, securing the pins.

OPERATION:

CW10:

The CW10 can be used for either reeling or dereeling applications.

If using for a reeling application, the winder assembly is adjustable for inner coil diameters from 5-12" (127-305mm ϕ). By loosening the thumb screw located on the winder assembly behind the handle, the winder assembly can be expanded to the desired coil diameter. Retighten the thumb screw to lock the winder assembly in place at the desired opening. Now locate the stop collar with locking screw in the center section of the winder assembly. Loosen the locking screw and slide the collar forward until it butts against the front part of the winder assembly. Retighten the locking screw. Position the retaining collar at the extreme end of the shaft, which releases tension on the compression spring and clutch assembly and allows

the winder to turn freely. Attach the material to one of the winder arms with a cable tie. Turn the handle to reel the material. When all of the desired material has been coiled, tie the material if necessary, then loosen the thumb screw, which will allow the unit to collapse, and remove the coiled hank. If using the unit as a dereeler, set the winder assembly for the required inner diameter of the hank being dereeled, as per instructions above. Then collapse the winder assembly by loosening the thumb screw. Move the retaining collar along the shaft towards the winder assembly, compressing the spring, thus increasing the friction on the unit. This will prevent overruns when using the unit for dereeling. Place the hank of material to be dereeled onto the winder assembly and expand the assembly until it butts against the locking collar. Tighten the thumb screw to hold the winder assembly securely open. Pull the material end or turn handle to dereel. Re-adjust the retaining collar if more or less friction is desired while dereeling.

CW20:

The CW20 may be used for either reeling or dereeling applications.

The inner coil diameter is fixed at 12". If using the unit to reel material, check that the winder assembly is fully expanded. To do this, pull the handle of the assembly forward, while holding the locking latch up slightly until the winder assembly locks into position. Once locked, attach the material to be reeled to one of the winder arms with a cable tie, and turn the handle to reel material. When all of the desired material has been reeled, tie if necessary, release the locking latch, and collapse the winder assembly to remove the coiled hank.

If using the unit to dereel, start with the winder assembly in the collapsed position. Loosen the retaining collar and push it in towards the winder assembly, compressing the spring and creating friction on the winder assembly, which will prevent material overruns when dereeling. Place the hank of material to be dereeled onto the winder and expand the winder assembly as instructed above until it locks into position. Pull the material end or turn handle to dereel. Re-adjust the retaining collar if more or less friction is desired.

CW30:

The CW30 can be used for either reeling or dereeling application. However, it does not have a friction clutch to prevent material overruns when dereeling. The inner coil diameter is fixed at 27".

If using the unit for reeling, check that the winder assembly is completely expanded. To do this, pull the handle forward while holding the locking latch up slightly until the winder assembly locks into position. Attach the material to be reeled to one of the winder arms using the cable tie

and turn the reel handle. When all desired material has been reeled, tie the hank if necessary, release the locking latch and push the handle in to collapse the unit then remove the coiled hank.

If using for dereeling, start with the winder assembly in the collapsed position. Place the hank of material to be dereeled onto the winder assembly and expand the assembly as instructed above until it locks in place. Turn handle, or pull on material end to dereel.

MAINTENANCE:

The only maintenance required on the CW10, CW20 and CW30 is a small amount of lubricant applied to the latch mechanisms and the slide mechanism. Be careful not to oil the clutch assemblies on the CW10 and CW20.

TROUBLESHOOTING:

PROBLEM: Unit will not collapse.

SOLUTIONS:

1. Check that unit is not already collapsed. This will be indicated by the front arm on the CW20 and CW30 being lower and a smaller diameter than the rear arm. On the CW10 this is indicated by the front arm pivot point being tight against the locking collar or nose collar.
2. On the CW20 and CW30, check that the latch mechanism has not been damaged. On the CW10, ensure that the locking screw has been loosened and that the tube does not contain debris, causing the winder assembly not to slide forward on the shaft.

PROBLEM: Winder will not spin freely.

SOLUTIONS:

1. Check that the clutch tension collar is not compressing the spring. Loosen if necessary.
2. Check that the winder assembly is turning freely on the main shaft of the unit. If not, remove the winder assembly from the shaft and apply a lubricant, lightly, to the shaft.

IMPORTANT: No liability will be incurred by The Eraser Co., Inc. for injury, death, or property damage caused by a product which has been set up, operated, and/or installed contrary to Eraser's written instruction manual, or which has been subjected to misuse, negligence, or accident, or which has been repaired or altered by anyone other than Eraser, or which has been used in a manner or for a purpose for which the product was not designed.



The Eraser Company, Inc.
PO Box 4961/ Oliva Drive
Syracuse, NY 13221, USA



Phone: (315) 454-3237
Fax: (315) 454-3090
Website: www.eraser.com
E-mail: info@eraser.com

IR8167
REV 04/06