

# Nancy's Knit Knacks LLC

## Winding & Metering Equipment Catalog

### Innovative Tools for the Fiber Arts Industry

#### \*Winding Tools\* – Ball Winders and Skein-winders

##### Heavy Duty Ball Winder (HDBW)

##### Commercial grade wooden ball winder

Our HDBW is the leading ball winder in the fiber arts industry. It meets the needs of yarn shops, professionals, yarn processors and knitters at home.

Made of maple hardwood, steel, and Swiss-made gears. Designed and manufactured in the USA. Over 4,000 units have been sold since 2006.

The HDBW can be used manually or motorized by the addition of the NKK Power Base. It is the only ball winder that can be used both manually and electrically.

When it is operated with the Power Base and our Electronic Yarn Meter, it can be used to automatically measure and wind your yarn. Another first for a commercial grade ball winding system.

The HDBW will wind balls up to 1 Lb measuring 7" x 7". Warranted for 1 year for both consumer and commercial users but is built to last a lifetime.



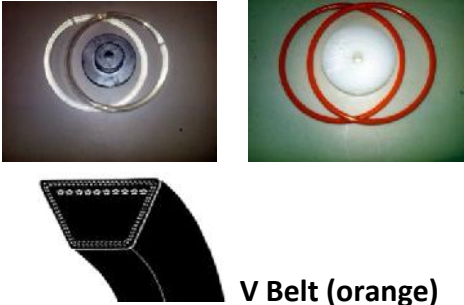







##### NKK Power Base (for the HDBW)

This unit is the workhorse of the industry. Yarn Shops throughout the World depend on the NKK motorized ball winding system to get their daily winding tasks done. A powerful DC gear-motor with 10 Speeds, reverse, jog (slow speed), both foot pedal and Electronic Yarn Meter interfaces all packaged in a hardwood, dovetailed joint housing.

550 net RPM, 24 VDC output (120-240 VAC 50/60 Hz input), long-life membrane control panel, multiple tension adjustments, swivels 180 degrees, heavy duty clamps will fit 2-3/8" thick tables. 10,000 yards/hour. Motor life approx. 2,000 operating hours (replacement motors are available which the user can easily install).



<p><b>Power Base Lite</b> – simpler controls, less expensive  This simpler unit has the same motor and performance as the NKK Power Base but just has an on/off switch and a rheostat speed control dial. No foot pedal, electronic yarn meter interface, or reverse. You save a little bit and have simpler controls.</p> <p>Same dovetailed construction as the NKK Power Base.</p>	
<p><b>Tensioner Post Arm</b>  This arm has been shipped on all new units for a few years. It includes 2 important features not on original 2006-2009 production: a knob which allows user to turn curly Q, and a slot which allows user to slide post closer to spindle. Both correct yarn popover problem.</p>	
<p><b>Belts for Power Base</b>  There are four belt options for the Power Base:  <u>High Torque</u> - Clear belts and metal pulley on motor (white pulley on BW) ¼" dia belts  <u>Standard belts</u> - Orange or black belts with white pulleys on both motor and BW. 3/16" dia belts  <u>Super High Torque</u> – metal pulleys on both motor and BW, orange V Belts (only used with R51 motor).</p>	 <p><b>V Belt (orange)</b></p>
<p><b>Ergo Handle</b>  The Ergo handle has been on all new production since 2008 approx. But earlier buyers may buy one. Buyers must specify if they have a 3/8" or 10mm dia handle shaft. See <a href="#">webpage</a> to determine the size of shaft (3/8" or 10mm).</p>	
<p><b>Yarn Ball Cores</b>  Our exclusive offering. Rigid paper tubes in 4 sizes: 5"x1.25", 3.5"x.8", 3.5"x1", 2.75"x1". Used to transfer yarn from spindle to core and for storing yarn.</p>	
<p><b>Nut Driver 5/16"</b>  Included with all new units as of 2010, makes adjustments easy. Used to adjust Clamp Ring assy.</p>	
<p><b>Small Diameter Spindle</b>  Replaces standard spindle. 1.25" dia. Great for kit makers and for thinner yarns. Makes a 4.5"x 4.5" ball. Pictures on right show both spindles.</p>	
<p><b>Foot Pedal</b>  Heavy duty foot pedal, controls on/off (not speed). 8 ft. cord.</p>	

## \*Winding Tools\* – Swifts & Skein-winders

### Heavy Duty Swift (HDSS)

Commercial Grade Vertical Yarn Swift w/31" dia. arms. Designed to be mounted on a table top or on an optional floor stand. Made of maple hardwood, aluminum and steel. Uses German-made maintenance free bearings. Can be rotated on table to target any direction needed. Includes 2 heavy duty table clamps. Makes skeins from 27" to 80" in circumference. Can be motorized. Integrated braking system allows for fully adjustable skein sizes.



### Heavy Duty Skein-winder

Same mechanism as the Swift but includes our state-of-the-art Electronic Rotation Counter (ERC). The ERC allows the user to measure in yards, meters, or rotations. It will also turn off the optional motor drive automatically. The skein-winder also includes a table top yarn guide that allows user to feed yarn from floor mounted cones to the unit as well as a 10' tape measure to precisely measure the circumference of skeins (assists in entering data in ERC).



### Floor Stands (heavy duty)

2 Sizes available - the upper portion of the swift is mounted on either an 18" or 28" heavy duty floor stand. Height from floor to main shaft is then either 34" or 43" approx. Unit cannot tip over when on the stand. Stand requires floor space of 26" x 26". Tall unit is on left, standard height is on right. User can easily switch from table to floor mount.



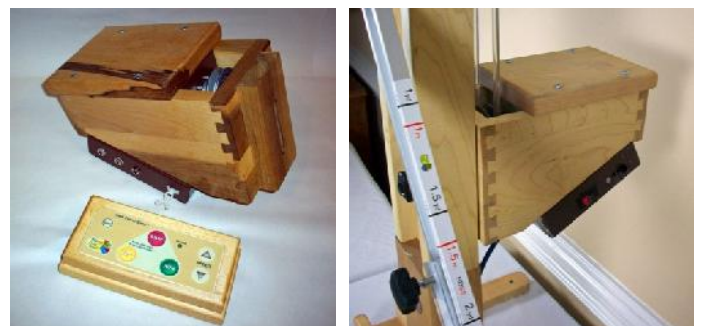
### Triple Yarn Guide System

This option can be mounted on either the Swift or the Skein-winder which allows the user to wind or unwind 3 skeins at the same time. Select either table top or floor mount versions.



### Motorized Option

High performance motor drive system can be easily added to the skein-winder or swift with a single bolt and knob. Includes control panel with 10 speeds, reverse, and jog. Integrated with optional ERC for automatic measurement and winding control. Will wind 16,000 yards per hour with single skein. Fully adjustable belt tensioning. 135 RPM, high torque motor, 24 VDC gear-motor, 120-240 VAC 50/60 Hz input.





## 4 Yard Skein-winder (4YO)

Industry's first 4 yard skein-winder and swift. Same construction as our standard sized swift and skein-winder except the aluminum arms have a 54" diameter. This yields a 4 yard skein when the yarn guides are fully extended. Includes a tall 28" floor stand (cannot be used as table top version due to large size). Total height to main shaft is approx 45". Requires floor space of 26" x 26". Can be used manually or motorized. 107 maximum RPM when used with standard R19 motor. 25,600 yards per hour with single skein. Requires use of Horizontal Cone Stand (HCS) when using Triple Yarn Guide.

This unit was designed for independent dyers who want to spread their dye patterns out as much as possible. We also make one of the World's only 4 yard Niddy Noddies for this same reason.



## Horizontal Cone Stand (HCS)

Our HCS was developed for the purpose of holding 3 cones of yarn in the proper position to feed the 4 Yard (and 2 Yarder on a floor stand) skein-winder. Mounting 3 large cones directly under the skein-winder was next to impossible until we developed this innovative cone stand. Holds three 7" or 10" cones. Includes an adjustable tensioning post for each cone. Shown on table top but must be used on the floor. Approx 22" x 24".



## Control Panel Stand

We offer a free standing stand for our Control Panel which is used whenever the motorized skein-winder is mounted on a floor stand. All 4 yarders should use this stand as well.

The stand safely holds the control panel in front of the skein-winder. It comes with a 10 ft. Ethernet Cable which runs from the control panel to the motor housing on the skein-winder.

## Stand for Ball Winder and Power Base

This stand can also be used to hold the Power Base and Ball Winder or just the Ball Winder.



## \*Meters and Counters\* EYM, ERC, IPS

### Electronic Yarn Meter (EYM)

State-of-the-art electronic yarn meter. Our meter is the most advanced meter that fiber artists can actually buy. Our meter measures yards, meters, and even converts length to weight in both ounces and grams. The unit utilizes an electronic encoder that converts rotations of the wheel to length. The yarn drives the non-slipping foam wheel which in turn actuates the optical encoder. The user can enter a specific qty of yards or meters that they want to measure and the system will alert them with a tone when that qty has been measured. It will also automatically turn off our motorized ball winder (if connected).

The unit has a backlit LCD display and is powered by a 12 volt DC power supply which is rated for 110 to 240 VAC 50/60 Hz Worldwide power.

The EYM stand is also a remarkable product. It allows the user to optimally position the EYM at various heights and depths on the table (5 axis). We have extensive experience in developing yarn meters and we know that properly positioning the yarn and managing yarn tension is key to any metering and winding function. The EYM handles all of these factors in a superb manner. Includes a long-life membrane control panel, and a hardwood / lightweight aluminum housing. Includes 2 heavy duty table clamps.



### Vertical EYM (VEYM)

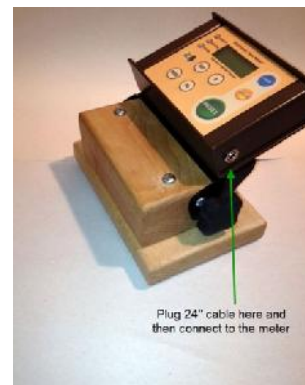
The VEYM is a variant of the std EYM. It is designed to take yarn from a cone on the floor and measure it on its way to the winder (Ball Winder, Skein-winder, 3<sup>rd</sup> party machine etc.). Includes a unique, adjustable tensioner post which allows the user to apply tension to the yarn coming from the cone (which is typically slack).

Includes the same electronics, power supply, and accuracy characteristics as the standard EYM.



### Electronic Rotation Counter (ERC)

The ERC is also a variant of the std EYM but it measures rotations from any device and not from its own rotating wheel. It is used on our line of skein-winders and can also be used with 3<sup>rd</sup> party winders as well. Owners of our swifts can also add it easily to their unit and convert them to skein-winders. Same 12 vdc power supply. Various mounting scheme brackets are available. Will turn off our motor drive on our motorized skein-winder. Works with our Intelligent Power Strip (IPS) to control 3<sup>rd</sup> party winders.



## Intelligent Power Strip (IPS)

One of our most recent inventions is the IPS™. This innovative tool allows users to connect their own motorized yarn handling equipment (skein-winders, cone winders, ball winders), to our industry-leading Electronic Yarn Meter Plus and Electronic Rotation Counter. These electronic meters are second to none in measuring yarn for commercial and professional users.

Now, users who own other equipment but who have been frustrated by not having access from those equipment manufacturers of a good electronic metering system that can turn their motor driven tools off automatically, can automate those tools by using our IPS and ERC/EYM+.

The system works as follows: the user sets the meter or counter to measure "x" qty of yarn in yards, meters, or rotations. When that qty is reached, our meter tells the IPS to turn the power off to the motorized equipment automatically. The system then waits for the user to press the reset button on the IPS after they set up the next production batch up. It then runs another batch automatically. This is the way our equipment works but now, even 3<sup>rd</sup> party winders can take advantage of our technology!

The unit has 2 fuse protected outlets which can manage a total of 15 Amps. Input power 120 Vac. The system is designed to handle a highly repetitive production environment with fast recycling of on/off sequences. 12" x 6" x 5" high, dovetailed joint hardwood housing.



Please check our [current price list](#) for Winding & Metering Equipment. We offer discounts for wholesale, professional, government, and educational customers. Only the retail prices are listed on our website without a password, so please contact us if you need discount information for the other customer types.

We ship products Worldwide and have excellent International FedEx rates.

**Nancy's Knit Knacks makes the finest equipment available in each of the product categories listed in this catalog. In some cases, we are the only manufacturer of such tools and have set the standard for all to follow. If you want to increase the productivity of your fiber related operation, call us. We can definitely help you with one of our existing products or we may adapt one for your unique application.**

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(note: please refer to our website for more detailed info about each of our products)

