

“THE RODSMITH RW-3XL” by PACIFIC BAY

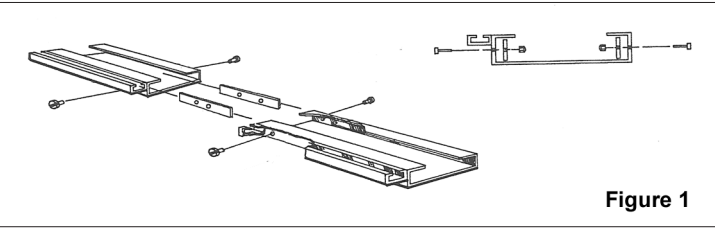
1. CONTENTS

Please check contents of this package immediately after opening. It should contain the following parts and assemblies:

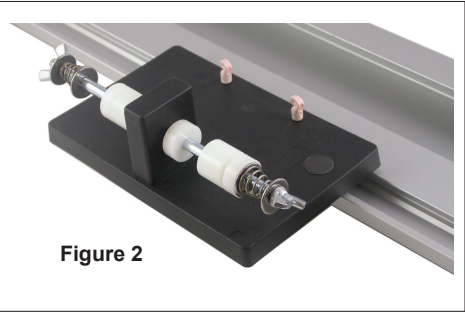
- A. Headstock/track assembly (1 pc.). Includes: One 2’ 8” base section with power platform, two motors, self centering deluxe chuck and chuck support, speed control, double drive pulley, three position switch, large “0” ring drive belt (plus one spare), power cord and foot control
- B. Additional 2’ 8” aluminum base sections (2 pcs.)
- C. Connecting metal slats (4 pcs.) with mounting screws (16 pcs.) and wing nuts with washers (16 pcs.)
- D. Adjustable upright supports (3 pcs.)
- E. Thread carrier assembly (1 pc.). Includes carrier platform with three ball bearing rollers, thread tension device, two ceramic thread guides, two spool posts, magnet, and a spacer for two 1oz. or 100 yard spools.

2. ASSEMBLY AND SET-UP OF “THE RODSMITH RW-3XL”

Locate the one base section with holes drilled in both ends. This is your center section. Note that optional base sections will also have holes drilled in both ends, and should be used as inside sections. Always use your current end section in the end position when additional sections are purchased.



Attach sections using connecting metal slats and screws, as shown in Figure 1.



Before fully tightening the screws and nuts, install the thread carrier as shown in Figure 2 and check its tracking ability over each joint. A slight resistance is acceptable but if the wheels hang-up, try gently shifting the sections into position. Once this is accomplished, tighten all screws. Complete the connections by fully tightening the wing nuts. HINT: A little paraffin applied to the track surfaces will further smooth the carrier’s tracking ability over these joints. Track surfaces should be cleaned regularly for best operation and paraffin reapplied if utilized.

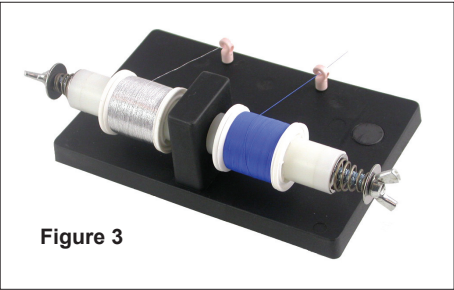
3. THREAD CARRIER/TENSIONER

The thread carrier assembly will permit hands free tracking with most blanks since the carrier rollers are pre-adjusted at our factory, there is no need to make adjustments prior to your initial use of the machine. See Figure 2.

You may store up to two spools of thread on the carrier, one on each of the two posts. The posts can fit either 100 yard or 1 oz. thread spools.

The dark button to the edge of the thread tension device is a magnet for holding a razor blade. In addition to its holding ability, the magnet provides a habitual location for storing the blade; in this way it will always be close at hand.

The threading procedure for the carrier is quite simple. First, with the carrier in its track between you and the machine, Loosen the wing nut, remove the spring, washer, the two nylon spacers and insert your spool of thread. Replace the items in the same order and slightly tighten the wing nut. Next, hook your thread through the ceramic guide. You can adjust the amount of tension by loosening and tightening the wing nut. You can also remove the smaller of the two nylon spacers to reduce the amount of tension on the spool of thread.



See Figure 3. Threading in this manner allows you to increase or decrease the tension by simply adjusting the thumb screw on the top of the tensioner.

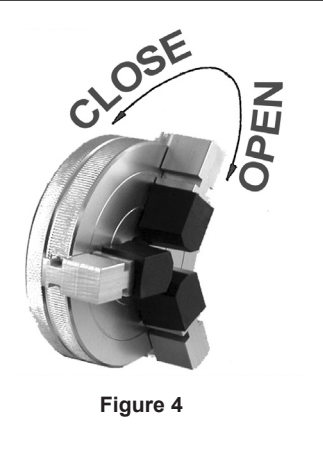
CAUTION: Start with the lightest possible setting and increase as needed. If you start with a heavy setting the thread may break.

4. SET-UP AND OPERATION OF THE DELUXE CHUCK

Your new “RODSMITH RW-3XL” is equipped with a self centering, three jaw chuck mounted on a ball bearing main shaft. With the jaws fully opened, the chuck is capable of holding blanks to a maximum of 1.5 inches in outside diameter when the concave jaw attachments are used. The convex jaw attachments are used for smaller diameter blanks.

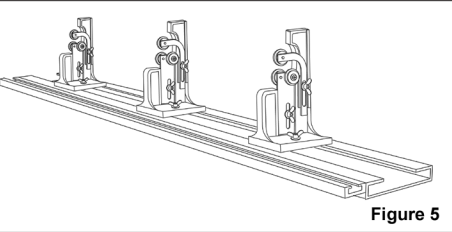
To open the jaws on the chuck, rotate the rear chuck plate (located behind the chuck) clockwise. See figure 4.

If the handle of your rod has a reverse taper, it may try to work out of the chuck while turning. To correct this, first be certain that the rod has aligned itself to the center of the chuck. You should then try to shim the butt of the rod with just enough masking tape to eliminate the taper.



5. UPRIGHT SUPPORTS

The three upright supports that come with your “RODSMITH RW-3XL” work together with the chuck in holding the blank for thread wrapping and grip shaping. They can be positioned anywhere along the aluminum base by simply loosening the lower wing nut.



For balanced operation, it is necessary to adjust the supports relative to the chuck height each time you change to a blank with a different diameter. Do this as follows:

- A. Raise the top roller by loosening the wingnut, lay the blank on the double roller assemblies, butt end towards the chuck.
- B. Adjust the lower double rollers up or down to the level of the chuck by loosening the wing nut on each support. Lower the top roller on top of the blank and tighten the wing nut.
- C. Tighten the chuck as previously explained. Test your setup by operating the wrapping motor at a moderate speed (wrapping motor instructions follow). If necessary, repeat step B.

6. CONTROLLING THE MOTOR ASSEMBLY

There are two motors on “THE RODSMITH RW-3L”. The smaller motor is for coating and drying. The larger sewing machine type motor is for shaping and power wrapping.

To power wrap:

- A. The drive belt must be connected from the small pulley on the wrapping motor shaft to the large pulley which drives the chuck (your “RODSMITH RW-3XL” should arrive in this configuration). See Figure 6. To remove the belt from the machine or to install a new belt, press down gently on the wrapping motor. This will allow clearance for the belt by enlarging the gap between the motor mount and drive pulley. **DO NOT FORCE THE BELT THROUGH THIS GAP.** Even a slight abrasion will decrease its life or result in immediate belt failure.
- B. Put the three way switch in the, “WRAP” position.
- C. Adjust the speed control dial to 3 or 4 (this allows for fine slow speed control while using the foot pedal).

To turn cork grips, follow the above instructions but turn the speed control dial to 10. This will give you maximum speed while operating the foot control.

To coat and dry:

- A. Move the drive belt to the pulley on the finish/dry motor. See Figure 7.
- B. Move the three way switch to the “DRY” position.

NOTE: This smaller motor will operate in either direction. To reverse its direction, turn the switch to “OFF” and then to “DRY” again.

TIP FOR FANCY WRAPS: The ball bearing head stock allows you to hand turn “THE RODSMITH RW-3XL” for your complicated fancy wraps or when wrapping delicate tip sections. The inside face of the drive pulley is marked at 45 degree increments to help in setting up fancy wraps and keeping guides in alignment.

Contact your dealer for availability of following spare parts and assemblies:

RW/DX-CHK-JAWS	6 PC. RUBBER JAWS FOR THE DELUXE CHUCK
RW-1/FNSH-MTR	RW-1L FINISHING MOTOR-SMALL 30-36 RPM
RW-1/LG-O-RNG	DRIVE BELT FOR POWER WRAPPER
RW-1/LINE-GDE	RW-1L CERAMIC LINE GUIDE
RW-1/PEDAL	RW-1L FOOT PEDAL
RW-1/RHEOSTAT	WRAP MACH RHEOSTAT
RW-1/SML-PULY	RW-1 FINISH MOTOR PULLY W/SCREW
RW-1L/WRAP-MT	RW-1L WRAP-MOTOR LEFT
RW/DX-CHK-S	DELUXE CHUCK FOR RW-1L AND 3L SILVER
RW-1/AL-BASE	RW-1L 4 FT ALUMINUM BASE W/SLAT & SCREWS
RW-1/CARRIAGE	RW-1L THREAD CARRIAGE
RW-1/MTLROLLER	RW-1 METAL ROLLERS FOR THREAD CARRIAGE
RW-1/MTL-SLAT	RW-1L METAL SLAT & SCREWS
RW-1/ROD-SPRT	RW-1L ROD SUPPORT W/BALL BEARING ROLLERS
RW-1/ROLLER	RW-1L ROLLER
RW-1/SM-O-RNG	RW-1L SMALL “O” RING
RW-1/SPT-CLMP	RW-1 ROD SPRT CLAMP W/HARDWARE
RW-3L/AL-BASE	RW-3L REPLACEMENT AL BASE, FULL BASE
RW-3L/PLATE	METAL MOTOR PLATE FOR RW-3L
RW-3L/TC2	RW-1L+3L NEW THRD CARRIAGE - 2 THRD TENSIONERS

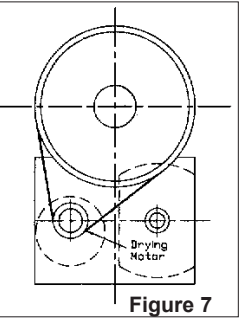


Figure 7

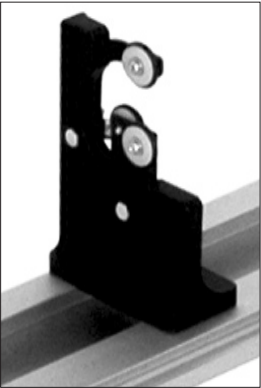
RODSMITH RW-3XL  
PROFESSIONAL POWER WRAPPING MACHINE

PACIFIC BAY



FOR THE SERIOUS CUSTOM ROD BUILDER

- Self centering metal deluxe chuck
- Holds blanks up to 1- 1/2 inches in diameter
- 2 sets of jaw attachments
- 4,000 RPM wrapping/finish/sanding and 11 RPM drying motors
- Dual-spool thread carriage with tension devices
- 3 fully adjustable rod stands with ball bearing wheels
- Foot and dial controlled wrapping motor (can also turn cork grips)
- 45° indications on flywheel for diamond wraps
- Sectional 8' anodized aluminum base
- Spare parts also available
- Shorter base units for convenient storage



For free component catalog and rod building instructions, write to:

Pacific Bay International, Inc.

165 Business Park Loop, Sequim, WA 98382  
Tel: 360-683-2080 Fax: 360-683-2234  
Email: [info@fishpacbay.com](mailto:info@fishpacbay.com) Web: [www.fishpacbay.com](http://www.fishpacbay.com)