

ASHFORD HANDICRAFTS LTD

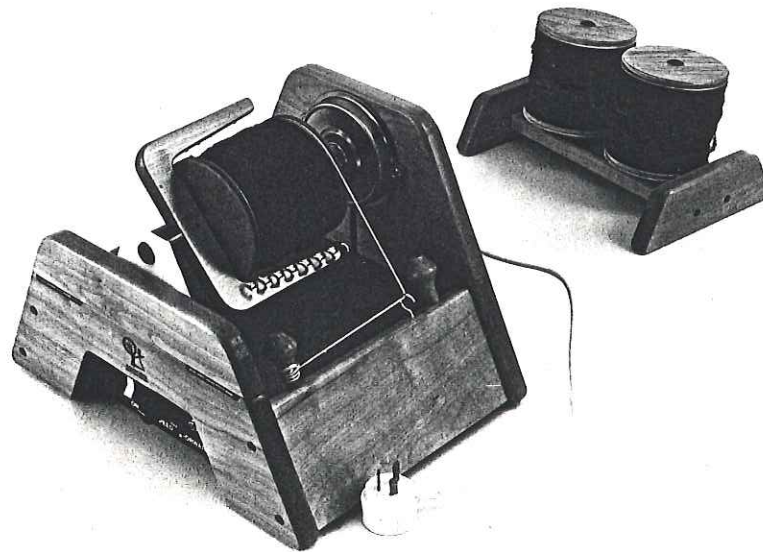
Manufacturers of the world-famous Ashford Spinning Wheels, Weaving Looms and Wooden Toys.

P.O. BOX 474, 415 WEST STREET
ASHBURTON, NEW ZEALAND
TELEPHONE: (64-03) 308-9087
FAX: (64-03) 308-8664

ASSEMBLY INSTRUCTIONS FOR THE ASHFORD PROFESSIONAL MOTORISED SPINNER

Please read these instructions carefully before using your new spinner.

- Step 1:** Thread the yarn guide hooks into the flyer arms. Note these are bent sideways which helps contain the yarn as it feeds onto the bobbin. A little candle wax on the threads will make this easier.
- Step 2:** Thread the two cup hooks into the predrilled lead holes, one on each side, for the brake band and spring to hook onto.
- Step 3:** Thread the cotton string brake band through the hole in the tension knob and tie a knot. Attach the spring to the other end of the brake band.
- Step 4:** Locate the tension knob into the front hole of the side.
- Step 5:** Unlatch and lower the front flyer bearing. Slide a bobbin onto the flyer shaft and locate the shaft into the motor coupling. Note: the slot must locate onto the pin in the coupling.



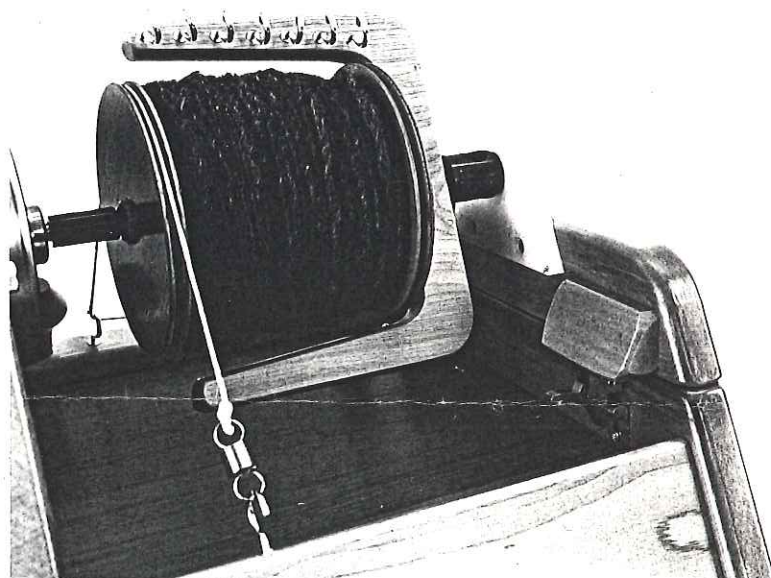
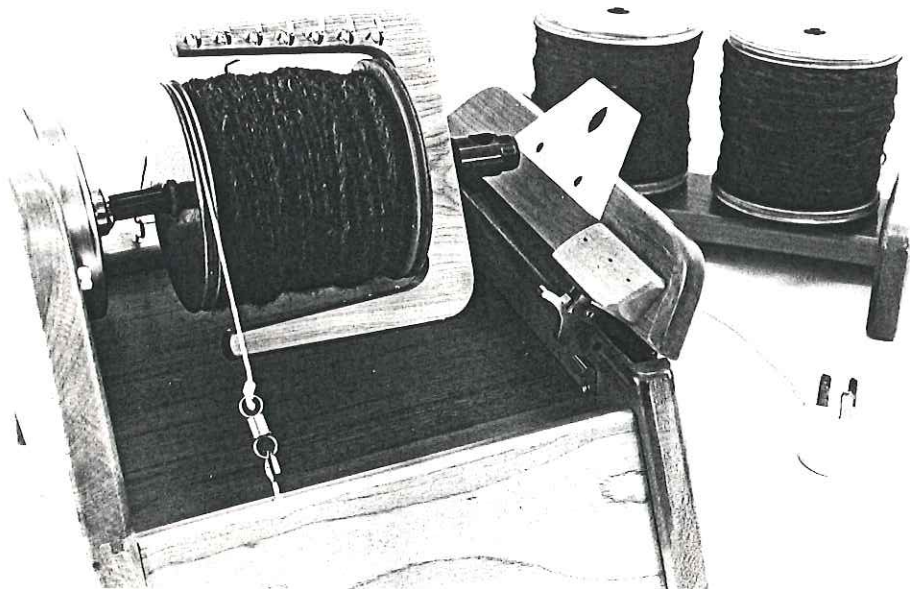
New Zealand distributors of
TEXSOLV Weaving Supplies

Retail:
Mill House Craft Supplies
415 West Street,
Ashburton.
Ph. (03) 308-9085.

Australian Distributor:
Travellers Rest, Snowy Mountains
Highway, Cooma, N.S.W. 2630,
Australia.
Ph. (008) 026-397.

Bankers:
Bank of New Zealand,
Ashburton.
Westpac Banking Corporation,
Ashburton.





Step 6: Fold the front flyer bearing up and locate the flyer orifice into the bearing at the same time.

Please note: It is most important to ensure the latch is locked down before starting the motor. If not the front flyer bearing can fall forward releasing the flyer which can cause damage if it is revolving at speed.

Step 7: Locate the brake band (we have provided both cord and nylon brake band - you choose) around the hook in the right hand side, over the bobbin and attach the spring to the hook on the other side. (If more brake band tension is required to pull the spun yarn onto the bobbin, the brake band may be wrapped right around the bobbin with the spring being attached to the right hand side hook.) To increase the life of the cord brake band rub candle wax along it. Do not extend the spring more than twice its own length.

Step 8: Locate the threading hook into the rear hole in right hand side.

Step 9: Locate the two steel pins into the holes in the lazy kate.

Lubrication: We recommend Ashford Spinning Oil be applied regularly to the front flyer bearing and bobbin bearings. A drop of heavy grease or vaseline may be applied to the motor coupling to make bobbin changing easier and reduce noise. The bobbin and flyer must revolve freely and independently of each other.

- Controls:**
- A) The left hand switch starts and stops the motor.
 - B) The middle dial controls the motor speed. Please note that under most circumstances you will only be using about 10-20% of the motor's potential speed. However when spinning very fine fibres a higher flyer speed is required or when spinning a thick yarn the motor requires more power to twist the extra fibres. It is not recommended to run the motor and flyer at full speed unless you are spinning as there is the dangerous possibility of the flyer, which is made of wood, breaking due to the high centrifugal forces acting on it.
 - C) The right hand switch has two positions, forward or reverse for spinning clockwise and plying anticlockwise. Do not reverse the direction of the motor without first stopping it with the ON/OFF switch.

Safety: Your Electronic Spinner is either wired for 110-120 volts or 220-240 volts. Check to ensure you have the correct voltage mains supply for your new spinner. Always unplug your spinner when not in use. Do not leave your spinner without first switching it off with the ON/OFF switch. Never open the electronic compartment without first disconnecting it from the power supply. Do not use your spinner in damp or wet conditions.

Accessories:

- A) Your spinner may be connected to a 12 volt DC system such as a car cigarette lighter or caravan system by using the input socket in the rear of the spinner. Suitable plugs and cords are available from electrical stores or through your Ashford dealer.
- B) Your spinner has provision to be connected to a remote foot operated speed control which over-rides the hand control. These are available through your Ashford dealer.

Spinning: Tie a piece of yarn about 1 metre (1 yard) to the bobbin and thread it around the yarn guide hooks and through the orifice. Have your prepared fibres handy ready to spin. Position the direction switch onto forward. Twist the speed controller anticlockwise until it stops. Turn the power switch on and twist the speed controller clockwise until the flyer starts revolve at a speed you feel comfortable to spin at. Allow the yarn to feed on and commence drafting the prepared fibres. You will note that the flyer speed will vary with different brake band tensions. This is normal and easily corrected by resetting

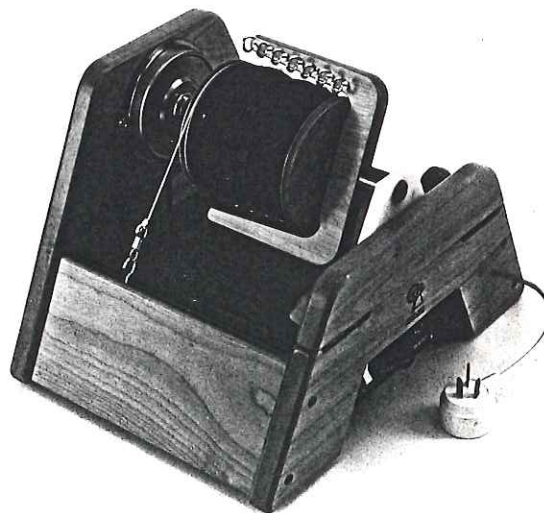
the speed control. Once the brake tension and speed control have been adjusted to suit your spinning technique little further adjustment should be required. When stopping to move the yarn to the next yarn guide switch the motor off on the ON/OFF switch rather than the speed control. This will ensure you continue at the same flyer speed as before and result in a more consistent yarn.

To change bobbins simply switch off the motor, remove the brake band from the bobbin, unlatch the front flyer bearing and tilt it forward. Remove the flyer from the coupling and change bobbins. Remember to check that the latch is locked down after the flyer is back in place.

After 15 minutes or more of spinning you may notice the base of the control box warming up. This is normal and is a result of the transformer dissipating heat through the metal. We trust your new spinner will enhance the pleasure you receive from your pastime and that it will enable you to become more creative and productive.

Designed and manufactured by:

Ashford Handicrafts Limited
415 West Street
Ashburton
NEW ZEALAND



PS A nylon bush that may be inserted into the flyer orifice to reduce the diameter is included in the kit. This is beneficial when spinning finer yarns as it will help prevent the yarn vibrating. By spinning the yarn at about a 45 degree angle to the orifice the vibration will almost be eliminated. When plying or spinning thick yarns, remove the bush.

Blowing fuses. Should the fuse blow it must be replaced with a 1 Amp fuse.