

## PALMER BLANKET INSTALLATION

After removing the old blanket, check all rolls and Cylinders for rough places and cleanliness. Check all bearings.

- Move the take-up Roller to the complete off position. Check all bearings.
- Place paper or other protecting material under the machine.
- Place the New Blanket under the Small Cylinder. Centering Blanket to Cylinder.
- Pass a rod through the blanket and attach a rope on each end.
- Pass the ropes over the Main Cylinder. At this point, cross the ropes. (This will cause the blanket to stay more even as it passes over the main cylinder).
- Have two men pull on the ropes as the machine is jogged or , run and stopped at a slow speed. This will allow the blanket to pass over the cylinder with less effort.
- Pass the delivery roll through the blanket and fasten into position.
- Pass the front top roll through the blanket and fasten into position.
- Pass the back take-up roll through the blanket and fasten into position.
- Go to front of machine, pull excess blanket to front of machine, pass entering or, feed-in roll through blanket and fasten into position.
- At this point, center the Blanket to both cylinders and rolls.
- Go to the back of the machine, pass the tension roller (this is the small cylinder wrap-around roller and the roller operated by the weight), through the Blanket and fasten into position.
- Pass the traverse or Blanket Guider roller through the Blanket and fasten into position.
- Place the bottom front roller through the Blanket and fasten into position.
- Pass the bottom rear roller through the Blanket and fasten into position.
- Place blanket feeler or, Guider switch into position.
- Place all idler and carrier rollers into position.

NOTE: Before starting the Palmer Unit, make sure that all rolls are parallel to the main cylinder.

- Start the machine slowly.
- With steam by-pass valves opened, turn in steam, slowly at first to remove condensate. DO NOT EXCEED 125 PSI. After condensate has been removed, close by-pass valves, continue to turn in steam until operating temperature has been reached. AGAIN, DO NOT EXCEED 125 PSI.
- Place one 100 lb. weight on the tension lever. By means of the hand wheels, bring the tension lever up to approximately 45 degrees, pull lever down and pin into position.
- NOTE: If the tension lever is not pinned down, each time the traverse roller changes position, the lever will cause the tension roller to impart a jerking motion to the blanket and could shorten the life of the blanket.
- After operating temperature has been reached, stop the machine - place a mark on the inside of the blanket at the entering end at the feed-in roller. Let the machine set for 5 minutes, with full steam on cylinders.
- After 5 minutes, start the machine. Slowly, run until the mark made at entering end, reaches the delivery end of the cylinder.
- Stop the machine, place another mark on blanket at entering end of the machine, do this mark same as above. Continue this procedure until the entire blanket has been exposed to the heated cylinders for a period of 5 minutes. The blanket should move towards the high side of the traverse roller.

- Start the machine slowly. The blanket should move towards the high side of the traverse roller with the machine in the forward operating position. Should the machine be operated in the reverse direction, the blanket should move to the low side of the traverse roller
- Should the blanket not travel properly, adjustments can usually be made by lowering or raising the traverse roller.

NOTE: If you have installed Palmer blankets in the past and have had no difficulty in the blanket tracking properly: continue to do as you have in the past.

However, if this is your first installation or, if you have had tracking problems, this procedure has been helpful.

**AFTER THE OLD BLANKET HAS BEEN REMOVED:**

- Move the air cylinder that operates the traverse roller to the down or, bottom position, then place a level on the traverse roller and adjust the roller by means of the hand-wheel until the roller is perfectly level. Remove roller for installation of the new blanket.
- Ascertain that the take-up roller is the same distance, from the frame of the machine, on both sides. If not, make adjustment by separating the chain, on one side, and making the adjustment by means of the hand-wheel used for applying tension to the blanket refasten the chain.
- After installing the blanket and going through the cook-in process as mentioned earlier: Turn the traverse hand-wheel and lower the traverse roller exactly 1 ½ inches.
- Sometimes it may be necessary to wrap the traverse roller with any suitable material to increase the friction on the roller to the blanket. This will give a more positive action to the roller.

NOTE: ALL FELTS ARE PRE-HEAT SET, THEREFORE, IT IS ONLY IMPORTANT TO BE SURE TO HEAT THE FELT BLANKET UNIFORMLY THROUGHOUT ITS ENTIRE LENGTH BEFORE COMMENCING TRACKING PROCEDURES. \*A COLD FELT IS HARDER TO TRACK (ESPECIALLY WHEN NEW) BECAUSE IT HAS POOR COEFFICIENT OF FRICTION.

NORMALLY THE FELT TRACKING DEVICE WILL MAKE THE FELT TRACK WITHOUT MOVING TOO FAR TO EITHER SIDE OF THE CYLINDERS. IF A FELT DOES NOT TRACK NORMALLY AFTER 2 ATTEMPTS, AND AN INSPECTION OF THE PALMER SHOWS THAT ALL ROLLS ARE CORRECTLY INSTALLED, ALL ROLLS ARE PARALLEL, AND THE TRACKING ROLL IS OPERATING NORMALLY CALL THE SUPPLIER OF THE FELT BLANKET FOR ASSISTANCE.

WHEN THE PALMER OPERATES IN ITS NORMAL FORWARD DIRECTION, THE FELT SHOULD TEND TO MOVE TOWARDS THE HIGH SIDE OF THE TRACKING ROLL. WHEN THE PALMER IS OPERATING IN REVERSE, THE FELT SHOULD TEND TO MOVE TOWARDS THE LOW SIDE OF THE TRACKING ROLL.