

Nip installation

Removing rolls:

1. Disconnect all electrical connections to the slip ring. Be sure all wire labels are in place and readable so there will be no problems rewiring. Write down numbers and colors for a quicker reinstallation.
2. Remove slip ring from roll journal.
3. Loosen hardware holding motor mtg bars to remove tension from chain to nip roll. Remove chain and sprocket from lower roll.
4. Remove guards from beneath lower roll.
5. Wrap both rolls with protective covering, either foam wrap or a cardboard.
6. Using a strap, route strap under lower roll and up to hoist. Raise hoist to take pressure of lower roll.
7. Remove all hardware in lower roll bearings. Remove bearings from lower roll.
8. Lower roll so that it is resting on sideplates.
9. Reroute strap from the backside of nip roll in between nip rollers and up to hoist. This will allow the roller to be swung out.
10. Raise lower nip roll to a position where drive side end can pass through the large opening in the sideframe. Slide the roll back into the sideframe enough to allow electrical end journal to be rotated out of sideframe. Remove bottom roll from machine and set in crate. Use care not to damage thermocouple wires and heater wires when removing and reinstalling rolls.
11. Route strap under upper nip roll. Raise hoist to remove pressure from the cylinder rod.
12. Remove the photoeye mtg. bracket from take up bearing. Mark position of photo eye mtg. bracket on take up bearing housing to facilitate reinstallation and alignment of electric eye.
13. Remove centering collar. This is the piece that is located in the slot of the take up bearing just above actual bearing insert.
14. Lower roll and bearings down onto sideplate.
15. Remove take up bearings.
16. Remove nip roll the same way as lower roll.

Installing Rolls:

1. Move roll into upper position by sliding roll into large opening enough to let electrical journal rotate into sideplates.
2. With roll in between sideplates, apply antisieze to roll journals and slide on take up bearings. Be sure the bearing with set screws in the inner race is on the drive side of the roll.
3. Guide roll and bearings up in between bearing gibs.
4. Place washer on top of bearing and lift up until cylinder rod stud passes through washer and bearing. Install centering collar. Tighten.
5. Position lower roll in between sideplates as in step one. Lower roll down onto sideplates.
6. Reposition straps so that they go under lower roll and on either side of both rolls.
7. Apply anti-sieze to roll journal. Install bearings. Be sure that bearing with set screws is on drive side.
8. Lift lower roll into position and install hardware. Do not tighten yet.
9. Lower roll should be resting on hardware. Tighten the bearing bolts.
10. Install sliprings, sprockets, and photoeye bracket.
11. Rewire slip rings and install chain and retension drive.
12. Reinstall covers over holes in sideplates.
13. Rezero nip assembly.
14. Set photo eye up so that a 5/8 thick block will trip eyes and a 9/16 thick block will pass.