| Customer: | | Inspection Date: | |
|--------------------|------------------------------------|------------------|----|
| Contact: | | Technician(s): | |
| Model: | $\underline{OMNi - 3000 / S / ST}$ | Cycle Count: | |
| Serial Number: | | Print Distance: | Km |
| Installation Date: | | | |

| | Sections | | Sections |
|----|-----------------------------|-----|--|
| 1 | LIFT HEAD | 15 | PRINTER MOVEMENT |
| 2 | REAR WRAPPING | 16 | APPLICATOR (OMNi, OMNi S/ST) |
| 3 | LEFT / RIGHT WRAPPING | 17 | PRINTER |
| 4 | DISCHARGE PUSHER | 18 | DISCHARGE HEATER (OMNi, OMNi-S) |
| 5 | INFEED CONVEYOR | 18a | DISCHARGE and HEATER CONVEYORS (OMNi-ST) |
| 6 | SCALE | 19 | SWITCHES |
| 7 | FILM FEED (POLISHED) ROLLER | 20 | CONNECTORS |
| 8 | FILM FEEDER | 21 | LCD DISPLAY CHECK |
| 9 | FILM CUTTER | 22 | KEYBOARD CHECK |
| 10 | FILM PRESS UNIT | 23 | WRAPPING TEST |
| 11 | LIFT DRIVE | 24 | CONSOLE |
| 12 | LIFT SIZE CHANGE | 25 | CUSTOMER CONCERNS |
| 13 | FILM ROLL | 26 | ADJUSTMENTS, COMMENTS, ETC. |
| 14 | FILM FEEDER MOVEMENT | 27 | REFERENCE DRAWINGS |

Term is based on 275,000 – 300,000 cycles per 6-months and 550,000 – 600,000 cycles per year.

- Required materials: Grease: White, Yellow, and Black (see table below for descriptions)
 - Disposable brushes, small (for grease application)
 - Silicone spray lubricant
 - Screwdrivers, assorted
 - Weight set

 - Thermal head cleaning kit
 - Compressed Air
 - Key, interlock bypass, 2 pieces
 - Adhesive remover (for labels)
- Wrench set, metric
- Allen wrench set, metric
- Socket set (optional)
- IF-21 Disk Recorder and 2DD diskette
- Sandpaper
- File set
- Sharpening stone

Lubrication for OMNi-3000

| Color of grease | Part code | Description | |
|-----------------|-----------|--|--|
| (Y) Yellow | 77932 | General Purpose Lithium Grease (323916) [Shell Alvania Grease "No2"] | |
| (W) White | 77933 | White Food-Grade Grease (380059) [Sumico White alcom grease "No2"] | |
| (B) Black | 77934 | Multi-Purpose Grease (371219) [Daizo Nichimori "L-210"] | |

| | Section | Inspection Items and Contents | Term* | Tool / Method | Replacement Parts | Check |
|---|------------------------|--|------------------|------------------|----------------------|-------|
| 1 | LIFT HEAD | Remove and Clean lifter head assembly. (Clean with brush and towel – do NOT soak in water.) | Daily | | | |
| | | Check surface friction and damage of lifter heads. | Semi annually | | Supporter head | |
| | | Check that the five moveable lifter heads slide freely but are not too loose. | Semi annually | | Pole plunger | |
| | | Lubricate square shafts of the five moveable lifter heads and locking detents. | Semi annually | Grease (W) | | |
| | | Check lifter heads for rust. Verify that heads return to upright position. | Semi annually | Grease (W) | Spring Coil | |
| | | Check all screws in the lifter head assembly. Tighten as necessary. | Yearly | | | |
| 2 | REAR WRAPPING | Check that all screws are tight. | Semi annually | | | |
| | PLATE | Check condition of roller on leading edge of rear wrap plate. (If polished, roughen with coarse sandpaper). | Semi annually | Sand paper | | |
| | | Check for smooth movement of the block bushings. | Yearly | | Bushing (two years) | |
| | | Check if inner fixed exit discharge roller shaft is bowed and touched by rear wrap plate. | Semi annually | | | |
| | | Lubricate square travel shafts. (Check shafts, and apply grease) Note: lubricate inside and outside, see section 4 | Yearly | Grease (B) | | |
| | | Lubricate tie rod end fittings on the turnbuckles of the drive arms. | Yearly | Grease (Y) | | |
| | | Lubricate linkage and pivot points of the rear wrap plate drive arms (right side). | Yearly | Grease (Y) | | |
| | | Clean photo sensors (Home and Limit positions). (Confirm sensor operation in Test Mode) | Yearly | Compressed air | | |
| | | Clean rear wrap plate. (Remove any labels, etc.) | Daily | | | |
| 3 | LEFT/RIGHT WRAPPING | Check that all screws are tight. | Semi annually | | | |
| | PLATES | Check timing belt for damage and stretching (black). | Yearly | | | |
| | | Lubricate rear travel shaft. (Check shaft, and apply grease) | Yearly | Grease (W) | | |
| | | Disassemble and lubricate front linear bearing assemblies. (Check for film pieces, apply grease) | Yearly | Grease (W) | Liner bearings | |
| | | Clean photo sensors (Home position/Counter) (Confirm sensor operation in Test Mode) | Yearly | Compressed air | | |
| | | Clean left and right wrap plates. (Remove any labels, etc.) | Daily | | | |

| | Section | Inspection Items and Contents | Term* | Tool / Method | Replacement Parts | Check |
|---|------------------------------------|---|------------------|------------------------------------|----------------------|-------|
| 4 | DISCHARGE PUSHER | Check that all screws are tight. | Semi annually | | | |
| | | Check right side and left side timing belts (black). (Check that the length is equal on both sides). | Yearly | | | |
| | | Lubricate square travel shafts. (Check shafts, and apply grease) | Yearly | Grease (B) | | |
| | | Check clearance of sensor flag bracket and home and limit photo sensors. | Semi annually | | | |
| | | Check that the Pusher does not hit when it returns to the Home position. | Semi annually | | | |
| | | Clean photo sensors (Home and Limit positions). (Confirm sensor operation in Test Mode) | Yearly | Compressed air | | |
| | | Clean top, front, and under sides of pusher plate. (Remove any labels, etc.) | Daily | | | |
| 5 | INFEED CONVEYOR | Clean crumb catch tray and infeed chains. | Daily | | | |
| | | Examine chain and pusher tabs for cracks. | Daily | | Chain | |
| | | Check infeed plastic slide rails for damage. Confirm rails have not been polished smooth – roughen if necessary. | Semi annually | File | | |
| | | Lubricate pull out slide rails of Infeed Conveyor. | Two years | Grease (Y) | | |
| | | Lubricate front idler pulleys for infeed chains | Semi annually | Silicone spray | | |
| | | Clean Infeed pusher tray stop position sensor and reflector. (Confirm sensor operation in Test Mode) | Yearly | | | |
| | | Clean "Hand in Wrapper" safety detection sensors and reflectors. (Confirm sensor operation in Test Mode) | Yearly | Compressed air | | |
| | | Clean "Foreign Object" and "No Item" sensors and reflectors. (Confirm sensor operation in Test Mode) | Yearly | Compressed air | | |
| 6 | SCALE | Check scale accuracy with a known weight. | Daily | 1 lb weight | | |
| | | Check zero and span calibration. | Yearly | Weight of 5 lb x 6 Test Mode | | |
| | | Check four-corner accuracy. | Yearly | 30 lb Weight | | |
| | | Verify weight reading on the display matches the value printed on the label. (Weights and Measures check point). | Yearly | | | |
| | | Check seal on metal platter and plastic case is watertight. [Calibration button access] | Semi annually | | | |
| 7 | FILM FEED (POLISHED) ROLLERS | Check operation of DC clutch. (Check film feed condition & stop position) [Right and Left sides] | Semi annually | | DC clutch | |
| | (Right and Left) | Check effect of DC brake. (Check film feed condition & stop position) [Right and Left sides] | Semi annually | | DC brake | |
| | | Clean polished Film Feed Roller. Check condition of polished Film Feed Roller (scratches and burs). Replace if necessary. | Daily | | Film Feed Roller | |
| | | Check condition of anti-static brushes and contact with film. [Side doors and Film Press unit]. | Semi annually | | Anti-static brush | |

| | Section | Inspection Items and Contents | Term* | Tool / Method | Replacement Parts | Check |
|---|---------------------------------|---|------------------|------------------|-----------------------------------|-------|
| 8 | FILM FEEDER (Front and Rear) | Check film feed belt (white) for damage, stretch, and shiny surface required for adequate film gripping. [Check grip change with tension knob]. | Yearly | | White film feed belt | |
| | | Check blue flat belt for damage and stretch. | Yearly | | Blue flat belt (replace/2.5years) | |
| | | Check balance of side (left and right) gripper pads. | Semi annually | | | |
| | | Check stretch and path on pulley of drive (timing) belt (black). [Left side] | Yearly | | | |
| | | Check that film centers (right / left) during film feed from both right and left sides. | Yearly | | | |
| | | Clean film pieces from white film feed belts and wrapper interior, including catch trays. | Semi annually | | | |
| | | Check operation of solenoids (8). Use fingers and "pinch test" to check operation strength. (film separator / gripping clamps) | Yearly | | | |
| | | Lubricate main film drive shaft (hexagonal). Note: excessive grease will clump and fall off. | Yearly | Grease (B) | | |
| | | Check stretch and damage of main film drive timing belt (white). | Yearly | | Timing belt (AT5) | |
| | | Check and clean film pieces from drive and idler pulleys of white film feed belts (four places). | Semi annually | | | |
| | | Clean feeder count encoder photo sensor. [Front left side] | Yearly | Compressed air | | |
| | | Check clearance between rear "Film Over" detection sensor brackets and rear wrap plate. | Semi annually | | | |
| | | Clean and check "Film Over" detection sensors. (Confirm red LED on/off) | Daily | | | |
| 9 | FILM CUTTER (Right and Left) | Check operation of DC clutch. (Check film perforation condition & stop position) | Semi annually | | DC clutch | |
| | | Effect of DC brake. (Check film cut condition & stop position) | Semi annually | | DC brake | |
| | | Check gap between (upper / lower) cutter guide – confirm it is 2 mm across the entire length. | Semi annually | | | |
| | | Check for rust on the cutter blade. (Clean as needed) | Semi annually | Sharpening stone | | |
| | | Clean photo sensor for cutter home position. (Confirm sensor operation in Test Mode) [Rear side] | Yearly | Compressed air | | |

| | Section | Inspection Items and Contents | Term* | Tool / Method | Replacement Parts | Check |
|----|---------------------|---|------------------|--------------------------|----------------------------|-------|
| 10 | FILM PRESS UNIT | Check that all screws are tight. Check that Film Press Unit is square. | Yearly | | | |
| | (Right and Left) | Grip strength of film grabber levers. (When film is not selected) | Semi annually | | Sponge (replace /2.5years) | |
| | | Clean photo sensors for rotation of film grabbers. (Confirm sensor operation in Test Mode) [Rear side] | Yearly | Compressed air | | |
| | | Check stretch of blue belts. | Semi annually | | | |
| | | Check alignment of blue belts and white film feed belts. | Semi annually | | | |
| | | Clean white cams that raise/lower the Film Press Unit. Lubricate as needed. | Semi annually | Silicone spray | | |
| | | Clean photo sensors for raising/lowering when film is selected. (Confirm sensor operation in Test Mode) | Yearly | Compressed air | | |
| | | Clean film width detection sensor and reflector (rear feeder position). (Confirm red LED on/off) | Daily | | | |
| 11 | LIFT DRIVE | Clean lower limit magnetic proximity sensor. (Confirm sensor operation in Test Mode) | Semi annually | Compressed air | | |
| | | Check oil level in gearbox. (Remove gear box cover on both shafts) | 3 years | Grease (B) | | |
| | | Check for abnormal noise when lifter is operated. | Yearly | Operated by Test Mode | | |
| 12 | LIFT SIZE CHANGE | Check for abnormal noise when lift changes between small / large size. | Yearly | Operated by Test Mode | | |
| | | Confirm size change bar travel is parallel. | Yearly | | | |
| | | Confirm mounting blocks of size change bar are | Semi | | | |
| | | correct: right is rigid, left is free. | annually | | | |
| | | Confirm all five moveable fingers lock into front | Semi | | | |
| | | and rear detent positions. | annually | | | |
| | | Clean size change photo sensors (3). (Confirm sensor operation in Test Mode) | Yearly | Compressed air | | |
| | | Lubricate drive shafts (right and left). | Yearly | Grease (Y) | | |
| 13 | FILM ROLL | Check that clamp lever provides adequate film | Semi | | | |
| | (Right and Left) | roll grip tension. | annually | | | |
| | | Confirm that rear film feeder is correctly | Semi | | | |
| | | positioned for the film width. | annually | | | |
| | | (by Roll Set button) | | | | |
| | | Check condition of Film Roll rubber gripper | Semi | | | |
| | | pads. Check that Film Poll shoft is harizontal (parallal | annually | | | |
| | | Check that Film Roll shaft is horizontal (parallel to bottom cover). | Semi annually | | | |
| | | Check film roll brake operation. | Semi | | | |
| | | (Solenoid movement and leather belt gripping) | annually | | | |
| | | [Option] Check Film Back Tension knobs are set | Semi | | | |
| | | correctly. | annually | | | |
| | | [Option] Check Film Roll Heater thermostats, | Semi | | | |
| | | fan blowers, and R/L switching. | annually | | | |

| | Section | Inspection Items and Contents | Term* | Tool / Method | Replacement Parts | Check |
|----|-------------------------|---|------------------|--------------------------------------|------------------------------------|-------|
| 14 | FILM FEEDER MOVEMENT | Check for abnormal noise when rear film feeder changes from small roll to large roll. | Yearly | Operated by Test Mode | | |
| | | Check condition and stretch of drive timing belt (black). | Yearly | | | |
| | | Check that rear feeder unit is parallel with front feeder unit. | Yearly | Reposition drive belt clamp | | |
| | | Lubricate gear head (90 degree). | Yearly | Grease (Y) | | |
| | | Lubricate square travel shafts. (Check shafts, and apply grease) | Yearly | Grease (B) | | |
| | | Clean movement position photo sensors. (3 places – front, middle, rear) [Left side] (Confirm sensor operation in Test Mode) | Yearly | Compressed air | | |
| 15 | PRINTER MOVEMENT | Check right/left movement to all positions. | Yearly | Operated by Test Mode | | |
| | | Clean movement position photo sensors (5). (Confirm sensor operation in Test Mode) | Yearly | Compressed air | | |
| | | Lubricate two horizontal travel shafts. | Semi annually | Grease (Y) | | |
| | | Lubricate horizontal gear drive shaft. | Semi annually | Grease (B) | | |
| | | Check printer position (forward/back) micro switch. (Confirm sensor operation in Test Mode) | Semi annually | | | |
| | | Clean and check catch magnet that holds printer in the back position. | Semi annually | | Catch magnet | |
| 16 | APPLICATOR | Check up/down operation of applicator arm. | Yearly | Test button | | |
| | | Check application/feed position of labels. | Yearly | | | |
| | | Check operation of Snap Lock latch. | Yearly | | | |
| | | Check operation of blower fan. Check for abnormal noise. (Clean and remove labels). | Yearly | | | |
| | | Lubricate internal applicator shafts. | Semi annually | Grease (W) | | |
| | | Check condition of rubber applicator tips. (OMNi-3000 S/ST) | Semi annually | | Rubber tip (Replace/ 1 year) | |
| | | Lubricate main hinge (OMNi-3000) | Semi annually | Grease (Y) | | |
| | | Lubricate and check condition of Friction Block: Interference on applicator arm. (OMNi-3000) | Semi annually | Grease (W) | Block (Replace/ 2 year) | |
| | | Check condition of applicator Insulator Sponge. Replace as needed. (OMNi-3000) | Semi annually | | Insulator Sponge | |
| 17 | PRINTER | Clean thermal head. | Daily | Alcohol (Ethanol) | Thermal head (Replace 30Km – 60Km) | |
| | | Clean and check condition of printer rubber roller. | Weekly | Alcohol | Printer roller (Replace/2 years) | |
| | | Check printing condition by Test Pattern. (Check darkness and printing position) | Semi annually | Confirmed by Test Mode | | |
| | | Check and clean label sensors (peeling and gap). | Semi annually | Confirmed by Test Mode and LED | | |
| | | Check "head up" micro switch. | Yearly | | | |
| | | Check condition and clearance of magnetic label roll holder. | Semi annually | Straighten if bent | | |

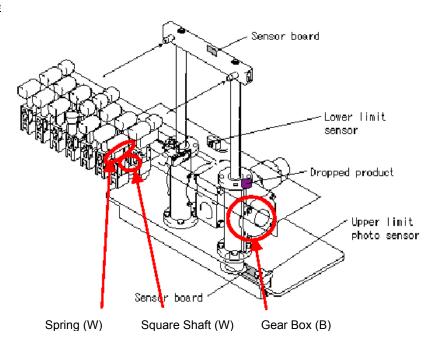
| | Section | Inspection Items and Contents | Term* | Tool / Method | Replacement Parts | Check |
|-----|------------------------|--|------------------|------------------|------------------------------|-------|
| 18 | DISCHARGE HEATER | Check all screws. Tighten as necessary. | Yearly | | | |
| | (OMNi,OMNi-S) | Check condition of fixed exit rollers and heater rollers. | Yearly | | | |
| | | Check temperature adjustment. | Yearly | | | |
| | | Clean heater surface. | Daily | | | |
| 18a | DISCHARGE & HEATER | Lubricate heater conveyor drive chain. | Semi annually | Silicone spray | | |
| | CONVEYORS (OMNi-ST) | Check all screws. Tighten as necessary. | Yearly | | | |
| | | Check operation of each conveyer. | Semi | | | |
| | | Check condition of conveyor belts. | annually | | | |
| | | Check temperature adjustment. | Yearly | | | |
| | | Clean each conveyer surface. | Daily | | | |
| 19 | SWITCHES | Check Roll Set and Film Feed buttons (right and left). | Yearly | | | |
| | | Check Emergency Stop and Cycle Start buttons. | Yearly | | | |
| | | Check operation of Film Tension dial (beeps). | Yearly | | | |
| 20 | CONNECTORS | Visual inspection of all connectors. | Yearly | | | |
| 21 | LCD DISPLAY CHECK | Confirm sufficient contrast. | Semi annually | | Back light (Replace/3 years) | |
| | | Check Touch Screen response. Calibrate if necessary. | Yearly | Test Mode | | |
| 22 | KEYBOARD CHECK | Check membrane keyboard response. | Yearly | Test Mode | | |
| 23 | WRAPPING | Check condition of seal and film stretch. | Semi | | | |
| | TEST | (Tray registration page 1/2) | annually | | | |
| | | Check label application position. (Tray registration page 2/2) | Semi annually | | | |
| 24 | CONSOLE | Data backup by IF-21 disk recorder. | Semi annually | Test Mode | | |
| 25 | CUSTOMER CONCERNS | | | | | |
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^{*} Term is based on 275,000-300,000 cycles per 6-months and 550,000-600,000 cycles per year. Adjustments, Comments, etc.

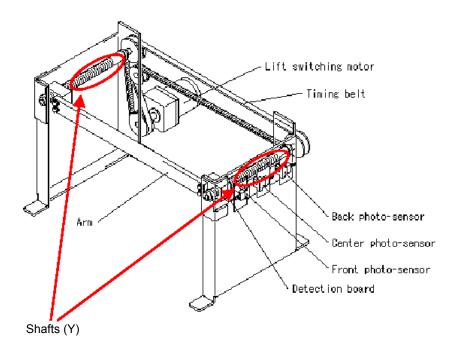
| Section | Inspection Items and Contents | Comments | Replacement Parts |
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Reference Drawings

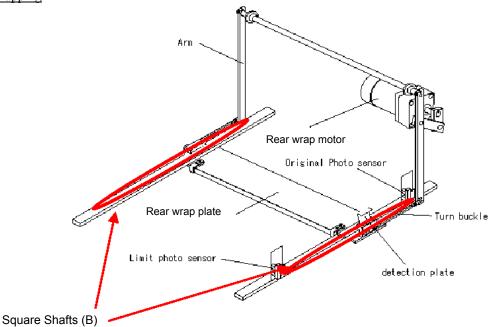
Lift Head Unit, Lift Drive



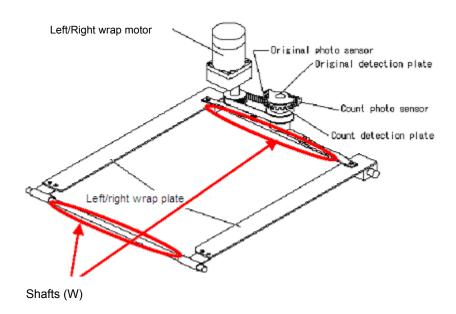
Lift Size Change



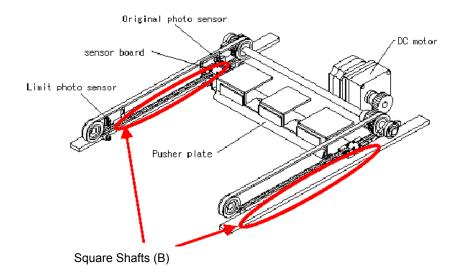
Front/Rear Wrapping



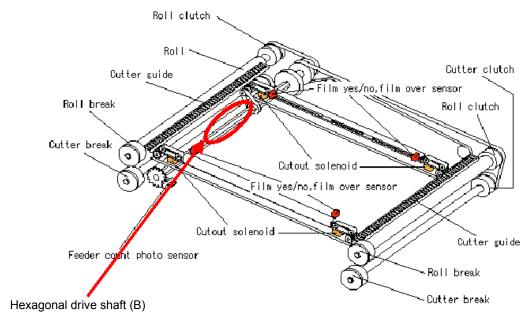
Left/Right Wrapping



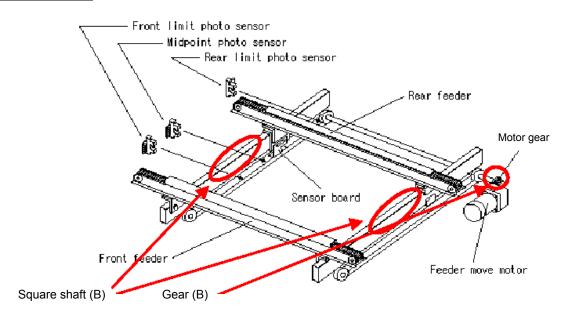
Discharge Pusher



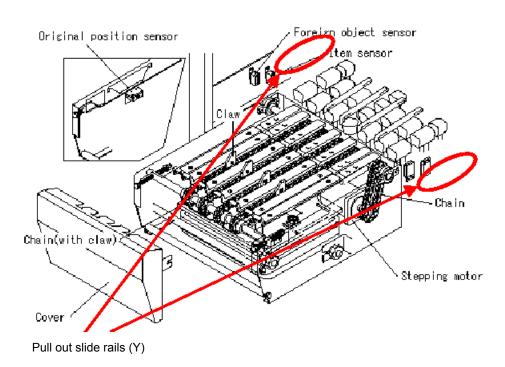
Film Feeder



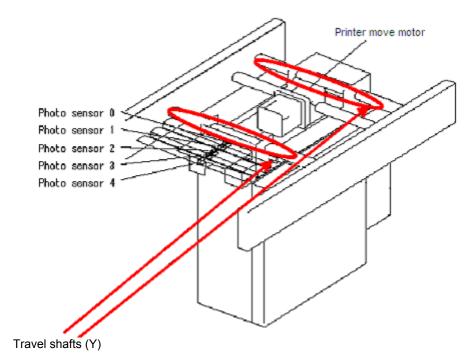
Rear Feeder Movement



Infeed Conveyor



Printer Movement



Label Applicator

