

Matthews

MARKING PRODUCTS DIVISION

Subject: IP9000 Maintenance and Operational Instructions - **OPERATIONAL PERSONNEL**

SAFETY GLASSES MUST BE WORN AT ALL TIMES WHEN WORKING ON OR AROUND ANY INK JET PRINTING EQUIPMENT.

NEVER CONNECT OR DISCONNECT ANY CABLES FROM THE MATTHEWS' PRINTING EQUIPMENT WITHOUT FIRST SWITCHING THE POWER OFF

Ink Bottle Replacement:

1. Unscrew the empty bottle in a counter clockwise direction and lift out of place
 - To eliminate ink spillage, while removing the old ink bottle, hold it briefly over the reservoir neck to allow any ink dripping to drop back into the reservoir. Once it stops dripping, remove and properly discard the bottle.
 - If the orange gasket stuck to the old ink bottle:
 - Remove the gasket from the ink bottle
 - Clean the gasket thoroughly with a clean lint-free wipe.
 - Refit the orange gasket into the neck of the ink reservoir.
2. Open the new bottle and remove the foil tab sealing the bottle.
3. Carefully insert the bottle into the reservoir and screw clockwise until it is fairly snug using your thumb and forefinger.

CAUTION: Over tightening can cause damage to the ink reservoir and may cause ink leakage! Only make the bottle finger tight! Never squeeze the ink bottle. This will cause ink to be expelled into the ink reservoir causing ink spillage and possibly short circuiting the electronics within the ink reservoir assembly.

Wiping A Print Head Nozzle Plate:

1. Each time a print head is primed, a new clean lint-free cloth should be used to avoid putting dirt on the nozzle plate.
2. The clean lint-free cloth should be gently pulled across the nozzles. Do Not apply direct pressure to the face plate. This should be a gentle wipe to avoid pushing dirt and debris into the nozzle openings.
 - Wiping motion should be across, not up or down, to prevent dragging dirt into other nozzles
 - The wiping motion should be confined to the nozzle plate. Never start on the housing or conveyor guards since this will pull dirt onto the nozzle plate.

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Priming a Print Head:

1. Visually inspect the head for any damage and look for a reason for the deprime.
2. Verify the head is in the correct position, not being hit, and is not subjected to vibration.
3. Visually inspect the face plate for any dirt, debris, scratches or dents. If any scratches or dents are found, the print head will need to be returned to Matthews for repair.
4. Place a clean lint-free cloth in front of the nozzles and depress the prime button with 3-4 short bursts and follow the procedure outlined above for “Wiping a Print Head Nozzle Plate”. These short bursts are more effective in removing air and will conserve ink usage over holding the prime button for a period of time.
5. Test print to verify all nozzles have returned, if not return to step 4.
6. If after 4 or 5 unsuccessful attempts:
 - Observe the missing channel. If the channel appears to move to a different nozzle the probable cause is air in the print head.
 - With a clean lint-free cloth, gently wipe across the nozzles of the face plate following procedure outlined above, “Wiping a Print Head Nozzle Plate”.
 - Clean the nozzle face clip with a clean lint-free cloth and the Matthews’ maintenance spray
 - Fit the nozzle clip in place on the print head
 - With the nozzle clip in place, run the prime pump for 20-30 seconds.
 - Remove the nozzle clip stored it in a clean, dry container for future use.
 - Place a clean lint-free cloth in front of the nozzles and depress the prime button with 3-4 short bursts and follow procedure outlined above for “Wiping a Print Head Nozzle Plate”.
 - Test print to verify all nozzles have returned.
7. After 4 or 5 attempts, the maintenance spray should be used.
 - Spray a light film of Matthews’ maintenance spray directly on the nozzle plate
 - With a clean lint-free cloth, gently wipe across the nozzles of the face plate following procedure outlined above, “Wiping a Print Head Nozzle Plate”.
 - Test print to verify all nozzles have returned, if not restart this priming procedure.
8. In the unlikely event the print doesn’t return after several attempts, remove this unit from the line following the procedure for “Return Shipping Instructions For The IP9000 Impulse Printer”.