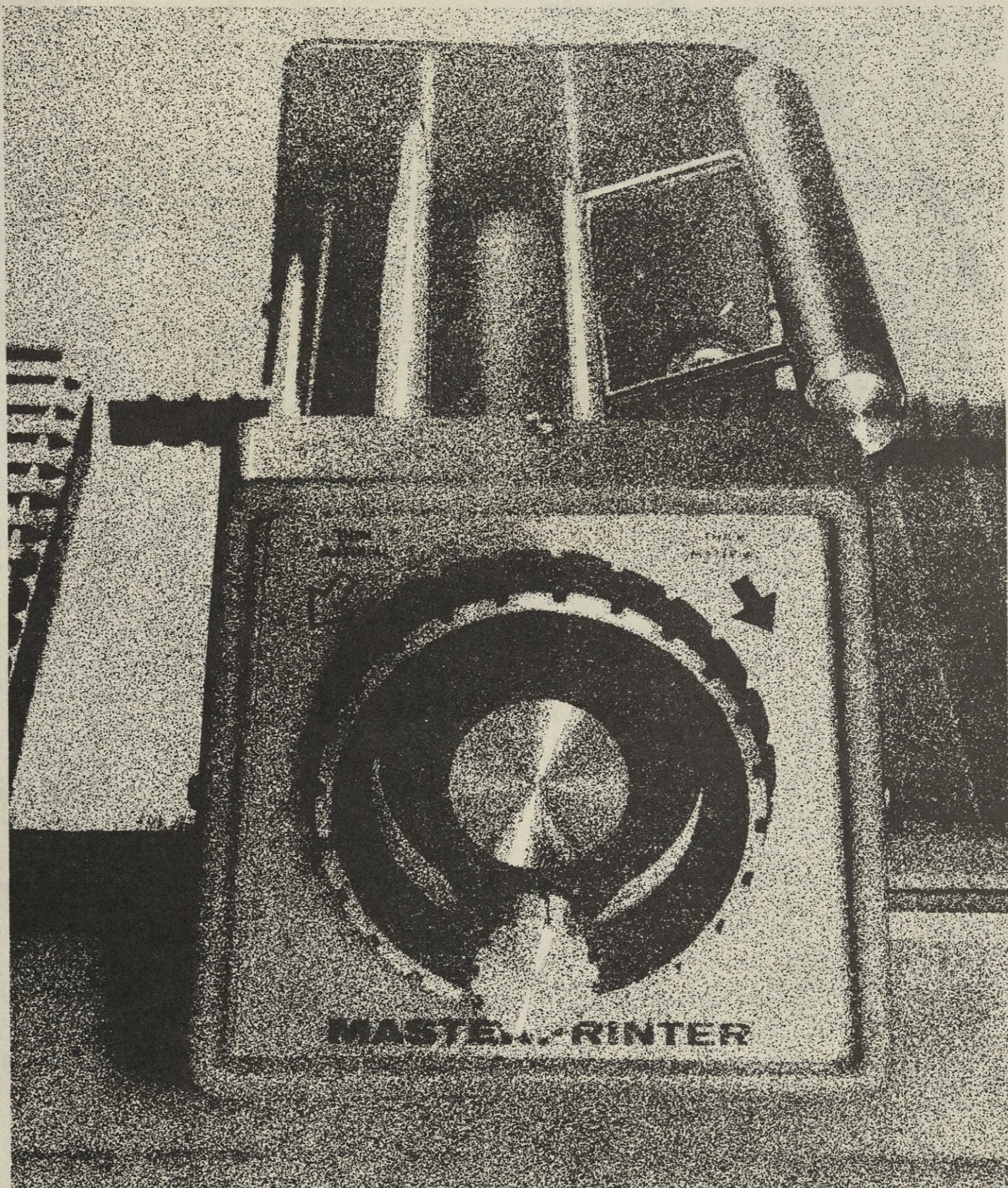


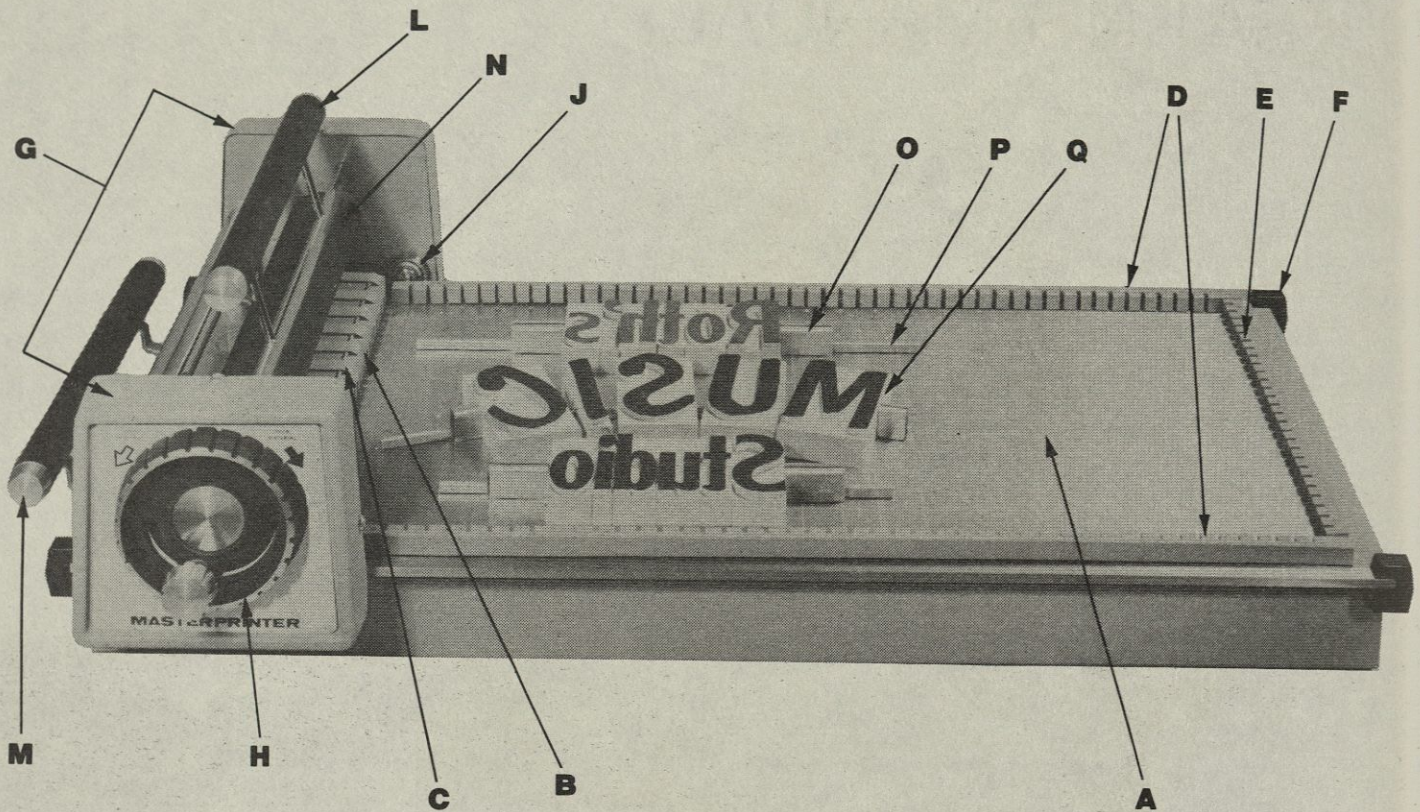
THE MASTERPRINTERS

OPERATING MANUAL



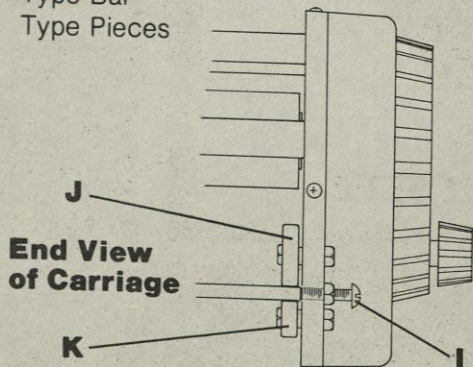
THE HAND INKERS

PARTS ILLUSTRATION



PARTS DESCRIPTION

- A. Steel Machine Bed Plate
- B. Complete Card Gripper Assembly
- C. Card Gripper Fingers
- D. Perimeter Alignment Combs
- E. Movable Alignment Comb
- F. End Stops
- G. Complete Pressure Carriage Assembly
- H. Pressure Control Dial Assembly
- I. Nylon End-Play Adjusting Screw
- J. Roller Bearings (Wheel Carriage Assembly)
- K. Cam Followers (bottom bearings)
- L. Pressure Control Handle
- M. Card Gripper Lever
- N. Pressure Roller
- O. Magnet
- P. Type Bar
- Q. Type Pieces



REPLACEMENT PARTS PART NO.'S

- B. Card Gripper Assembly for 7" machines ... P-1580107
- Card Gripper Assembly for 11" machines ... P-1580111
- Card Gripper Assembly for 14" machines ... P-1580114
- C. Card Gripper Fingers (for all machines)..... P-1580200
- D. Perimeter Alignment Combs (26") P-1580400
- Perimeter Alignment Combs (48") P-1580500
- E. Movable Alignment Comb (7") P-1580607
- Movable Alignment Comb (11") P-1580611
- Movable Alignment Comb (14") P-1580614
- F. End Stops (for all hand inkers)..... P-1580700
- G. Complete Pressure Carriage Assembly
 - 7" Carriage P-1580807
 - 11" Carriage P-1580811
 - 14" Carriage P-1580814
- H. Pressure Control Dial Assembly P-1581600
- I. Nylon End-Play Adjusting Screw
 - For all machines P-1582400
- J. Wheel Carriage Assembly (top bearings) ... P-1582500
- K. Cam Followers (bottom bearings) P-1582600

NOTE: In order to insure accurate replacement of machine parts, it is imperative you furnish the Serial Number of your machine — located on the edge of the machine bed, close to the card gripper lever.

CARE IN UNPACKING YOUR MACHINE AND SUPPLIES

It is suggested that you first read this manual carefully before attempting to unpack or operate your new Signpress machine. (Uncrating the Instant Inker is outlined on page 7.) The operating manual has been prepared so that you may realize the full potential engineered into every Signpress. There is nothing difficult about the operation of the machine, but you will find that after you have read the manual and become familiar with the parts and controls, you will enjoy your equipment more, and obtain better results.

Remove the packing material from the shipping case. Then remove and set aside the several small packages of supplies. Grasp the Signpress firmly underneath the bedplate at each end and lift it from the case. **DO NOT LIFT THE MACHINE BY THE CARD GRIPPER LEVER.** Place the machine on a bench or sturdy table.

We have applied a thin coat of oil on the bed of the machine to protect the surface from rusting during storage and shipping. The machine and bed should be wiped clean with a dry cloth. To insure smooth carriage movement, the bearings should also be wiped clean.

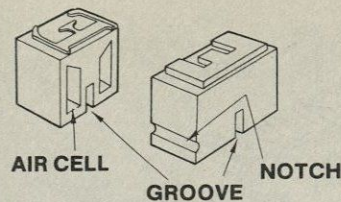
The type and type cases are packed together, but in a separate shipping container. Unpack these, making sure the shipping container is right-side up. If your machine comes with a sign drying rack, it will sometimes be packed underneath the machine bed — be sure to check for this. Also, be sure to locate your ink platen and type bars — the bars are sometimes attached to the inside of the crate or carton.

PERMANENT SET-UP IS IMPORTANT

Your Signpress should be set up permanently in a convenient location where it is ready and available at all times for making signs. Our machine benches are illustrated in our catalog. If you did not include this item in your order, provisions should be made to set the Signpress on a rigid bench or table. If possible, arrange type trays directly back and above the machine — at least within easy reach. Your workbench should provide sufficient space on top to lay lines of type for make-up and working space. The top should be 32" -36" from the floor. Best results can be obtained if the temperature in the room being used is 65° to 72°. This permits a more even distribution of the ink and will give a better appearance to the finished product. The temperature, for room and paper, aids in absorption and drying.

TYPE TRAYS

The easel type trays have legs attached which allow the trays to be placed in an upright position. Assemble each leg with the small machine bolts included with the set. When trays are used with our benches, the legs are not necessary.



INFORMATION ABOUT YOUR TYPE

Only professional printer's type is used on the Signpress. Normally, sizes up to 72 pt. ($\frac{3}{4}$ ") are metal. Sizes over $\frac{3}{4}$ " are "micro-precision" endgrain (rock) maple. Both are sharp characters that will produce good signs, and if properly cared for, will last for years. Signature cuts, illustrations in engraving plate form, and linoleum blocks may also be printed on the Signpress.

Type furnished for use on Signpress machines has a groove milled in the base. This groove fits over the aluminum type bars on which the type is assembled, and holds the type in alignment for printing.

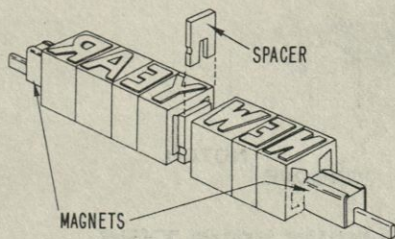
Depending on size, most type will either have a notch along the bottom side OR an air cell (opening on side of type). To correctly position type, the notch should always be at the bottom or toward you. On type with an air cell, the air cell should be on the right side as you face the type.

CAUTION!

There sometimes is a film of oil on the face of new type. If you have not cleaned the type face, do it before you attempt to print. This applies **ONLY** to the metal type. Wood type should never be soaked in type cleaner.

PICKING AND SETTING THE TYPE

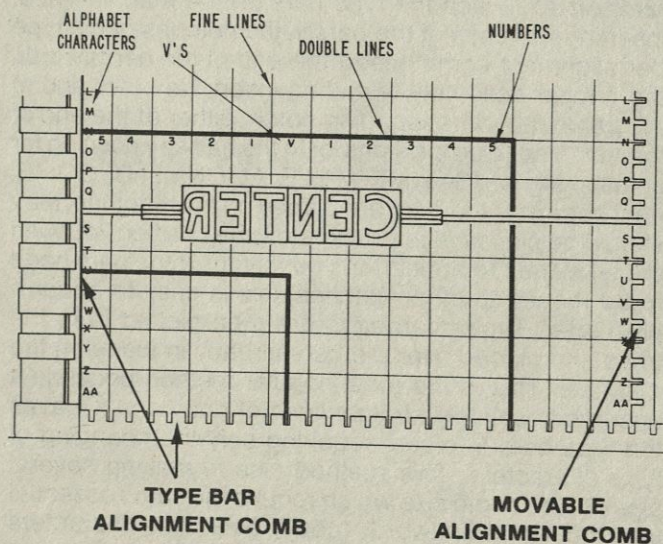
Method #1. Place the type bars on the machine bed, inserting the ends of the bars in the notches of the type bar alignment comb. Insert the end of the bar towards the gripper assembly first, then insert the other end of the bar in the corresponding notch, either at the end of the machine for large signs, or in the halfway position for smaller signs. (See MOVABLE ALIGNMENT COMB, next page.) As the bars are placed on the machine, they should be placed at approximately the position you wish the type lines to appear on your layout. If the bars need to be moved to other notches, this is easy to accomplish later. Type characters are then picked from the trays and placed over the bars already in place on the machine. This is the most popular method because it ensures absolutely straight lines of copy and it leaves the type bars in place, requiring only the changing of type characters. This method aids in making several signs of the same size which require the same essential layout but different words (copy). Select the characters you wish by taking them from the type trays just as you would spell the word being used. The characters are placed on the bars, just as they are spelled, from RIGHT to LEFT. To spell BOY, you would place the B first and the O next, placing it to the left of the B, and so on. Metal spacers are used between words. Spacers of various widths are supplied to achieve the desired spacing. If you wish to print lines on an angle, see how this is accomplished in Method #2; however, angles can be used with the other steps of Method #1.



Method #2. Select a type bar long enough to hold the line you will print. Hold the bar in one hand and pick the type from the type trays with the other hand, and place it on the bar. Select the type characters in the order in which you would spell the line. The type will appear on the bar in correct spelling sequence, from RIGHT to LEFT. Spacers are used between the words. The different sizes may be used in various combinations to get just the space you wish. As each line of type is assembled on the bar, place it on the machine bed in approximately the correct position. You can use the alignment combs if you wish; however it is not necessary. If you prefer to print a line on an angle, you will not use any alignment notches. (You may need to use one of the shorter bars.)

MOVABLE ALIGNMENT COMB

The alignment comb should be placed in the holes located in the bed of the Signpress for making signs 14" in length or smaller. This allows working with shorter bars. When using the machine for signs larger than 14", (or when setting type by Method #2) remove the alignment comb, which has studs on the bottom, and place it at the far end of the machine to accept the long bars.

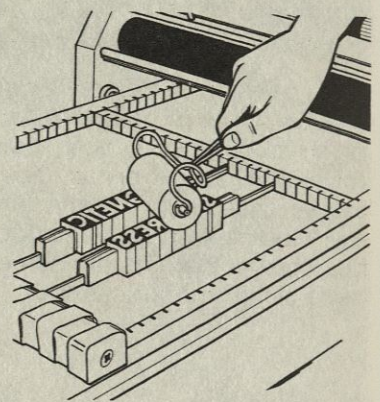


SPACING TYPE AND LOCKING UP

The machine bed is marked with double lines to indicate standard card sizes (3½"x5½", 5½"x7", 7"x11", 11"x14", 14"x22"), depending on the size of machine you purchased. The finer lines help in spacing and proper alignment. Each fine line represents 1 inch. You will want your copy to appear within the heavy guide lines in just

the same position as you wish to see it printed on a card or paper of the same size. In addition to the lines on the machine, you will see numbers and characters. We have established the center for the various standard size forms, which is represented by a "V" on the bed of the machine. From these centers, the 1" squares are numbered equally in opposite directions. These numbers allow instant centering of your lines of type. See diagram. The alphabet characters (A, B, C, D, etc.) are to assure a type bar is placed on the same notch at both ends AND to aid in placing lines of type in the same location from card to card.

After the type is on the type bar and placed on the machine, it may be properly centered by sliding it along the bar. While sliding the type pieces, observe the lighter lines and numbers. When the type is located as you wish, lock in place by placing magnets at both ends of each line of type. Even after magnets are in place, the copy may be removed without difficulty, if necessary.



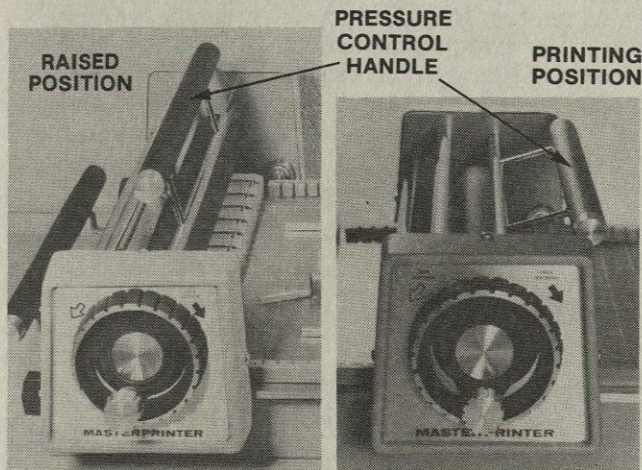
INKING

After the type is picked and locked in place on the machine, it must be inked. Squeeze about one-half inch of ink from the tube towards the upper edge of the ink platen. Using one of the brayers supplied, roll the brayer into a very small dab of the ink by merely touching the roller to the pile of ink slightly. Now work the inking roller back and forth towards the bottom of the ink platen, lifting the roller at the end of each forward and backward stroke. The roller will revolve and distribute the ink evenly over the brayer. When ink is evenly distributed, transfer the ink to the type. Apply a THIN uniform film of ink to the type by rolling the brayer over the type 2-3 times on a slight angle. For perfect coverage, roll it back and forth along the line of type as well as rolling top to bottom on each type face. The magnets will hold the type in place during this operation. If more than one color of ink is desired, merely prepare the other color or colors in the same manner as above and apply with separate brayers to the type you wish to print in color. When making more than one copy of a sign, you should re-ink the type after each sign.

REMEMBER — it is much easier to correct under-inking than over-inking. Use as little ink as possible, rolling it out well on the platen by lifting your brayer from time to time to help spread the ink evenly over the roller before applying it to the type.

PRINTING

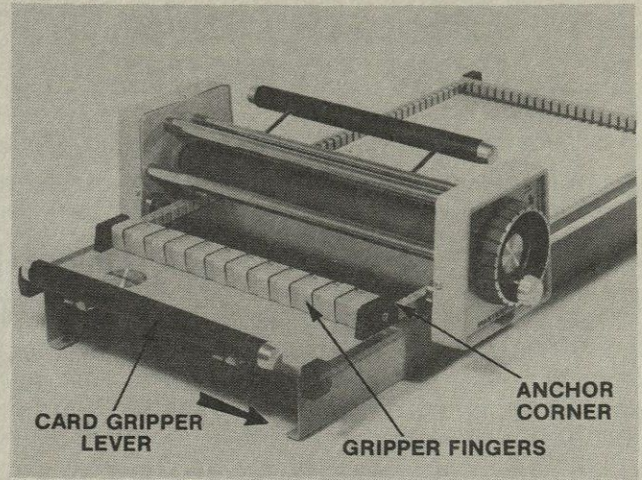
This section provides an explanation of the various parts of the Signpress and then a step-by-step description of how to print. The correct position for an operator is standing to the left end of the machine as you face the side of the Signpress with the Pressure Control Dial. This side should always be the side from which the machine is operated. In this position, the operator can easily retain a grip on the handle, good balance, and be able to adjust the pressure.



The "Pressure Carriage" and "Pressure Control Handle" are illustrated above. In order to activate the handle you must move the Pressure Carriage to the right about 1 inch so that the roller will clear the gripper assembly. Pull down the Pressure Control Handle to lower the pressure roller. This holds the pressure at the right height for printing. Do not press down on the handle while pulling the carriage across the sign, or you may damage the machine. The handle should be raised again (thus raising the pressure roller) to clear the roller of the type when returning the carriage to the left end of the machine.



The "Pressure Control Dial" shown here, allows you to increase or decrease printing pressure instantly! If you are going to print on 6-ply or 8-ply cardstock, have the adjustment dial about in the middle. If your sign does not have enough pressure, loosen the locking knob and rotate the adjustment dial counter-clockwise slightly and tighten the locking knob. When you have too much pressure, loosen the knob and turn the dial a fraction clockwise.



Push lever down to open the gripper assembly; down and in direction of arrow to lock gripper assembly open.

The "Card Gripper Assembly" holds your paper or cardstock in place while printing. The "gripper fingers" are opened by depressing the Card Gripper Lever with your left hand. To close the gripper fingers, simply release the lever. If you have a large piece of cardboard or a thin (flimsy) piece of material to print, you may find it difficult to insert such material into the gripper fingers with one hand. For such material, we have developed an exclusive "Lock-Open" feature. The entire gripper assembly is locked open by depressing the lever with your left hand, and while it is pressed down, pulling the lever towards you. Let go and the fingers will remain open. Now take both hands and position your material to be printed into the "Anchor Corner." When in position, hold the material with the right hand and close the gripper assembly by pushing the lever away from you and allowing it to raise. Your material will be held firmly.

IMPORTANT: When inserting material in the gripper fingers, BE SURE to put the corner of the material into the "Anchor Corner." With the gripper open, put the material exactly into the corner towards the front of the machine (corner closest to you) and the edge of the material all the way into and under the gripper fingers. By always using the "Anchor Corner," you will be able to re-register the sign for a second impression if necessary due to improper pressure or inking.

Step-By-Step HOW TO PRINT

Assuming the type is set and inked, you are ready to print.

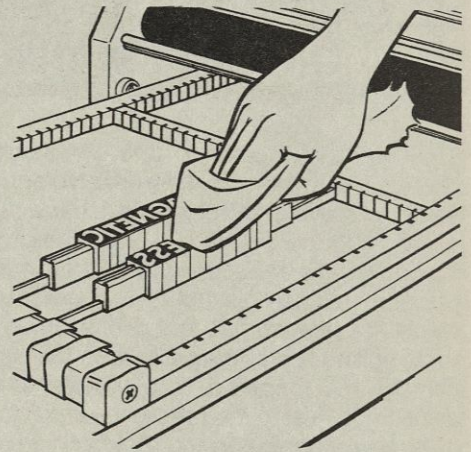
1. With the printing roller in the raised position, move the carriage assembly to the left end of the machine.
2. Open the gripper assembly with the gripper lever. Insert the material to be printed and close the gripper to hold the material while printing. NOTE: When feeding cardstock, it is much easier to control if held on the front edge rather than the end. Grasp the cardstock between the thumb and forefinger in the middle of the edge closest to you.
3. Set the adjustable Pressure Dial to correspond with the material being printed.
4. Roll the pressure carriage forward just enough to clear the gripper assembly when the pressure roller is put in printing position — this is only about 1". Be sure this is done, otherwise the roller will not lower to the pre-set pressure of the pressure dial.
5. Depress the pressure control handle to lock the pressure at the predetermined height of the pressure dial.
6. Now with the pressure control handle and pressure roller locked, pull the roller up to the type edge. If you feel a hump through the cardstock, you have too much pressure. Adjust the roller higher by moving the dial slightly to the right, until you can hardly feel the type height on the roller. If more pressure is required, move the dial to the left. Once this adjustment is made, pull the pressure carriage to the other end of the machine, across the material being printed in ONE sweeping motion. No further adjustment is required until you change to another thickness of material.
7. Move the pressure control handle to the raised position and return the pressure carriage to the left end of the machine.
8. Lift the right-hand end of the printed material until it is clear of the type. THEN depress the card gripper lever with your left hand. As the gripper releases the material, take it from the machine. By following this method of releasing the printed material, it will keep you from twisting the sign on the type and causing a blurred or imperfect job.
9. Inspect the piece for good uniform ink coverage. If there is an imperfection due to improper inking, re-ink the type where necessary. Place the card back in the "Anchor Corner", under the gripper fingers, exactly as before, and print the piece again. If the piece appears to have uniform coverage but the impression is too light, possibly the pressure is not enough. If this is the case, increase the pressure by moving the dial slightly to the left. Re-insert the material into the "Anchor Corner" and print it again. The pressure roller should bear slightly on the material and type, yet the roller should not bump or bind when pulled over the material.

MULTIPLE COPIES

Multiples may be made in seconds on the magnetic Signpress. Type must be inked between each copy to assure good ink coverage on each copy.

MOUNTED CUTS (ELECTROS), PICTURES, LOGOS, ETC.

Regular mounted cuts of pictures, logos, signatures, etc., that you would like to print may be used on the Signpress, either alone or at the same time as type is being printed. These are regular mounted cuts used by any letterpress operation. Such cuts may be placed on the machine and blocked in place with magnets around the perimeter of the cut in about four places. Any cuts we supply are grooved and may also be set over type bars, the same as type. We will make any cuts you wish. Please write for details. (The same lock-up procedure as above can be used for linoleum blocks.)



CLEAN-UP

Always clean the type before removing it from the machine. Type is much easier to clean right after using than if allowed to set for any length of time. By cleaning as you go, you will not have a big cleaning job at the end of the day or signmaking session. It only takes a moment with a cloth rag moistened with type cleaner. WOOD TYPE requires some caution. The printing surface of wood type has a highly polished finish. This finish can be ruined by some commercial cleaners. For this reason, we recommend using Signpress Type Cleaner. Wood type should not be saturated with anything, even water. Liquids will get into the grain of the wood and cause warping. Do not allow ink to dry hard on the surface before cleaning. Ink platens and brayers should also be cleaned at the end of each day with the same type cleaner. The cleanliness of the roller part of the brayer will have a lot to do with proper ink coverage on the type. A quick suggestion for cleaning your brayers is to apply type cleaner to a roller and then run the roller back and forth over a sheet of newspaper to remove the excess amount of ink. Then wipe the roller clean with a cloth moistened with type cleaner. You can also remove ink from the carriage roller or any other portion of the Signpress with a cloth moistened with type cleaner.

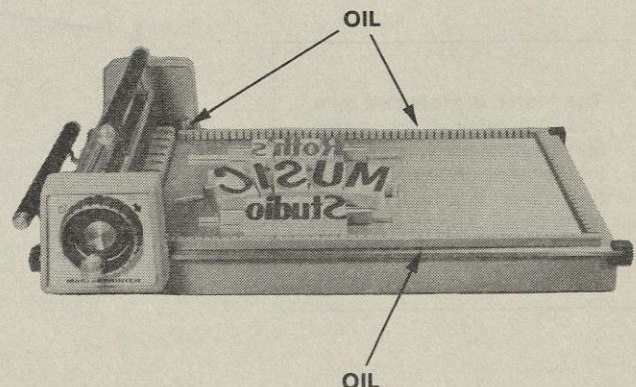
TROUBLE SHOOTING CHART

PROBLEM	CAUSE	REMEDY
POOR INK COVERAGE (PIN HOLING)	Not enough ink Not enough pressure Ink too thick, or dried ink or foreign substance on type face	The brayer must have a thin uniform ink coverage in order to ink the type correctly. It may be necessary to go from ink platen to type 2-5 times in order to ink the entire type. Adjust the pressure dial slightly to the left to increase the pressure. Put out new ink and check to see if type needs cleaning.
UNEVEN EDGES ON PRINTED CHARACTERS	Too much pressure Too much ink	Decrease pressure by moving pressure dial slightly to the right. Clean the ink off the type and re-ink, rolling on a thinner layer of ink for good even coverage on the type.
BLURRED CHARACTERS	Releasing gripper before card is clear of type	Lift the cardstock or paper free of the type BEFORE releasing gripper. This will eliminate twisting the printed piece on the inked type and smearing or blurring the printed characters.
SLOW INK DRYING	Improper cardboard or paper High humidity Ink applied too thick	When using OIL ink, you must have a paper or cardstock that allows the ink to penetrate its surface. Otherwise, the oil must remain on the surface and air dry, which takes long periods. Test various materials until you find a cardstock or paper for best drying. (We recommend Signpress cardstock for best results.) Again, we cannot stress too much the fact that ink must be applied in thin coats. Try applying a smooth, thin coat for better results.

CARE AND MAINTENANCE

Your Signpress machine is ruggedly constructed to last a "business lifetime" if properly cared for. A drop or two of oil on each of the small rollers, at points illustrated at the right, is advisable every two or three months. At the same time, place a few drops of oil on each track and run the pressure carriage back and forth several times. This will loosen any dirt which has accumulated on the track. Wipe off excess oil and you will find the carriage runs easier.

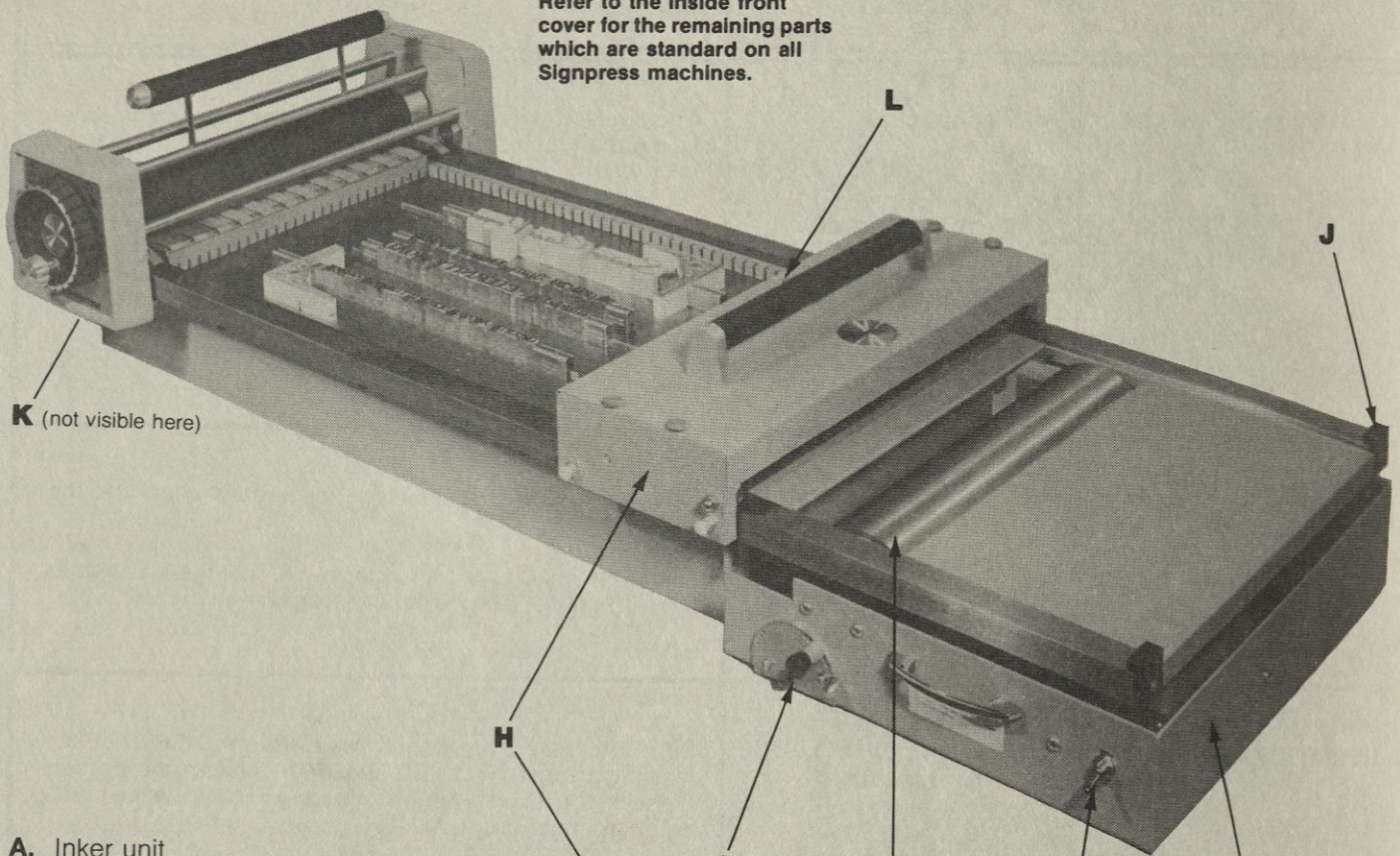
We suggest a very thin coat of oil be applied with a cloth to the printing bed of the machine occasionally to avoid any rusting of the metal.



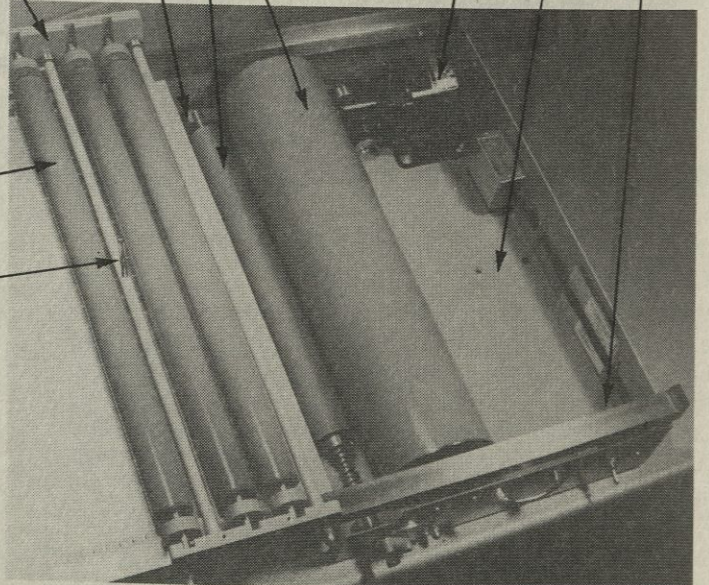
THE INSTANT INKERS

PARTS ILLUSTRATION

Refer to the inside front cover for the remaining parts which are standard on all Signpress machines.



- A. Inker unit
- B. Motor
- C. Motor switch
- D. Cylindrical ink platen (Ink Cylinder)
- E. Agitator roller
- F. Agitator shaft supports
- G. Agitator roller pressure adjustment
- H. Ink transfer carriage
- I. Ink transfer rollers
- J. End Stops
- K. Stop Bars
- L. Transfer Roller Lift Rod
- M. Reset Button



The motor is protected by a circuit breaker. If the motor fails to start, press reset button, located on top of switch box cover. If it still will not start, clean the Ink Cylinder and Agitator Roller.

INTRODUCTION

Your new Signpress Instant Inker was fully assembled and adjusted under continuous quality control in our plant. For shipping reasons, the machine has been partially disassembled and carefully crated. If these instructions are followed, there will never be any need to use force in reassembling it. **REMEMBER, DO NOT USE FORCE!**

Never attempt to make any adjustments. Do not tighten or loosen any screws, bolts, or nuts on the carriage or frame of this machine unless you are told to do so in these instructions. All adjustments on the machine are permanent.

UNPACKING THE INSTANT INKER

The Instant Inker comes in three crates:

A. Unpacking the Machine Bed

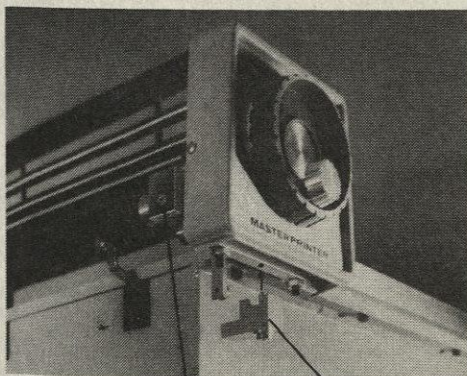
1. Remove the top of the largest wood crate.
2. Lift the bed of the machine straight up and out by the rails on either side. Do not lift it by the plastic card gripper handle. This requires two people.
3. Place the machine bed flat on a sturdy bench or table.
4. You will find some accessories in this crate. Remove them and set to one side.

B. Unpacking the Carriage and Inker Unit

1. Remove the lid from the crate.
2. Cut the hold down straps from the carriages and place to one side.
3. Remove tie downs from the Inker Unit.
4. The Agitator Roller will be found in this crate in a cardboard tube. Remove it from the tube and place it with the Inker Unit.

C. Unpacking the Type

1. Be sure the crate has the top up before you begin to open it.
2. Remove the top of the crate.
3. **BREAK, DO NOT CUT** the tape holding the cardboard cover over the type. If you cut the tape, you might scar the type faces.
4. Carefully remove the type trays from the crate.



END STOP

STOP BAR

ASSEMBLY INSTRUCTIONS

A. MACHINE BED (see illustration below left)

Step 1. Using a Phillips screwdriver, remove the two End Stops from the end of the rails closest to the Card Gripper. Place to one side.

Step 2. Remove the Stop Bars from both sides of the carriage and place to one side.

NOTE: DO NOT DISASSEMBLE THE CARRIAGE. The Pressure Carriage rides on eight sealed roller bearings (wheels). In placing the Carriage on the bed of the machine, the rails must go between the upper and lower sets of these bearings on either side. (The bearings must encompass the rails.)

Step 3. With the Pressure Control Handle in its upward position, grasp the Pressure Carriage in both hands with the Pressure Dial to your right.

Step 4. Gently roll the Pressure Carriage with the bearings between the rails onto the Machine Bed and to a point past the Gripper Assembly.

Step 5. The End Stops and Stop Bars may now be replaced and tightened.

B. INKER UNIT

Step 1. Grasp the Agitator Roller with the squared end to your left.

Step 2. Position yourself at the end of the Inker Unit which is open — that end with the Ink Cylinder towards you.

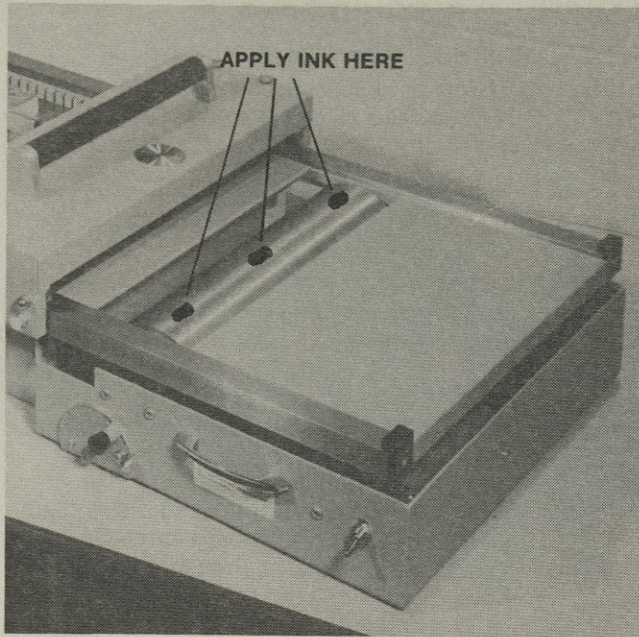
Step 3. Place the Agitator Roller in the Shaft Supports in front of the Ink Cylinder.

Step 4. Place the Inker Unit UNDER the extended rails at the end of the machine opposite the Card Gripper Assembly. The Unit is properly aligned when it is flush with the machine and between the alignment guides.

Step 5. Put the cover of the Inker Unit in place by aligning the slots in its underside over the screw guides on either side of the rails.

Step 6. Remove the four thumb nuts from the top of the Transfer Carriage and lift the top off. Remove and discard the two cardboard blocks from either end of the Rollers. Replace the top and thumb nuts.

Step 7. Place the Ink Transfer Carriage with its three rollers on the rails. This is done so that the roller closest to the carriage edge is toward the Card Gripper.



INKING THE INSTANT INKER

Squeeze approximately $\frac{1}{2}$ " of ink from the tube at each end of the Ink Cylinder about 1" from the edge and about $\frac{1}{2}$ " of ink in the center of the cylinder. Turn the motor on and lightly engage the Agitator Roller by moving the Agitator Roller Pressure Adjustment clockwise until the Roller comes in contact with the Cylinder. CAUTION: DO NOT APPLY TOO MUCH PRESSURE TO THE INK CYLINDER. The motor should run smoothly without any drag. If the motor seems to be pulling or dragging, back the adjustment dial one or two notches to lighten the pressure or until the dragging stops. If the Ink Cylinder is not completely covered with ink, repeat the inking operation using about $\frac{1}{4}$ " more ink in each of the three previously inked places.

After the Ink Cylinder is well covered, you are ready to ink the Transfer Carriage. This is done by passing the Transfer Carriage over the Ink Cylinder. When inking the Transfer Carriage for the first time, pause as each roller comes in contact with the Cylinder to insure full and even coverage.

After ink has been applied to the Transfer Rollers, grasp the handle of the Transfer Carriage in your right hand, and at the same time with your thumb, squeeze the small silver rod in front of the handle. This action raises the front Transfer Roller. As you move the Carriage across the type to the left end of the machine, release this lever and move the Carriage back across the type to the inker end. This will provide fresh ink to the type at the far end, even on long signs.

The Rollers in the Transfer Carriage should make good contact with the Ink Cylinder. If good contact is not made, the entire Inker Unit may be raised or lowered by the two nylon adjusting screws located in the forward bottom portion of the Unit. These screws may also be used to aid in leveling the Inker Unit.

Step-By-Step HOW TO PRINT

1. Set type and lock in place (see PICKING AND SETTING THE TYPE).
2. Ink the Ink Cylinder and Transfer Rollers.
3. Set the Pressure Dial at corresponding position for thickness of cardstock.
4. Pull Transfer Carriage across Ink Cylinder.
5. Continue down rails with the Transfer Carriage, across the type, and to the stops on the Pressure Carriage.
6. Return Transfer Carriage to rest position.
7. Depress Card Gripper Lever.
8. Insert cardstock in Gripper Fingers and into the "Anchor Corner."
9. Roll the Pressure Carriage just past the Gripper Assembly.
10. Depress Pressure Control Handle.
11. Roll Pressure Carriage to the end of the cardstock.
12. Move Pressure Control Handle to raised position.
13. Return Pressure Carriage to rest position.
14. Lift loose end of cardstock up above the type.
15. Depress Card Gripper Lever.
16. Remove cardstock.
17. For additional signs, repeat process from step 4.

TWO-COLOR SIGNS

Remove from the bed of the machine the line or lines of type which are to be the second color. Ink the remaining type with the Transfer Carriage. Replace the lines which were removed. Use a brayer and ink with the second color in the same way as described in the Hand Inker section of this manual.

NOTE: Signpress also has available a split-fountain Agitator Roller to enable you to print two colors at the same time — one color at the top and another color at the bottom of your sign.

CLEANING THE INSTANT INKER

Lift the Transfer Carriage from the rails and set it to one side. Pull the Inker Unit away from the machine bed and remove the Agitator Roller by lifting it out. Place the roller on newspaper for cleaning. Roll the Agitator Roller back and forth while sprinkling with type cleaner to remove the greater amount of ink. Wipe clean with a cloth moistened with type cleaner.

To remove the ink from the Ink Cylinder, start the motor and while the cylinder is turning, hold a cloth moistened with type cleaner against the cylinder. NOTE: Change the cloth when needed during this process. Turn the motor off and remove any ink that may have splattered onto the Inker Unit. Replace the Agitator Roller.

The Transfer Carriage is cleaned by removing thumb nuts and top from the carriage. Lift out the three rollers and roll them on newspaper while sprinkling them with type cleaner. Wipe clean. Clean any portion of the Carriage as needed. Replace the Rollers, top, and thumb nuts. Set the Transfer Carriage back onto the rails and your clean-up is completed. (Remove ink on the Pressure Carriage or any other portion of the Signpress by wiping with a cloth moistened with type cleaner.)

NO WASH-UP SPRAY is available from Signpress for your convenience. The spray should be used whenever the ink will be setting idle on the Ink Cylinder and Agitator Roller for a period of time (overnight).

CARE AND MAINTENANCE

A drop or two of oil on each of the roller bearings at points illustrated below, is advisable every two or three months. At the same time, place a few drops of oil on each track (rail) and run the Pressure Carriage back and forth several times. This will loosen any dirt which has accumulated on the track. Wipe off excess oil and you will find the Carriage runs easier.

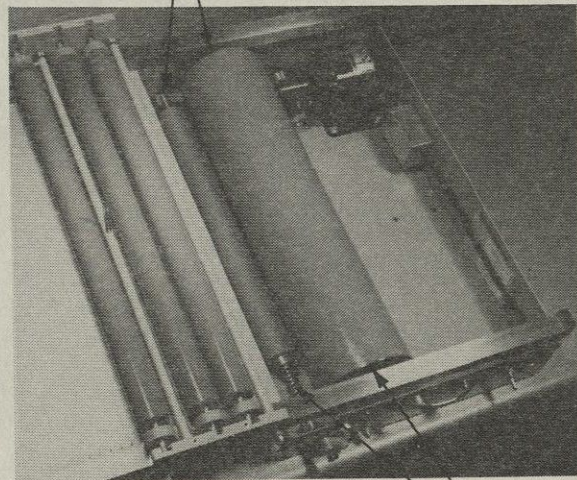
We suggest a very thin coat of oil be applied with a cloth to the machine bed plate occasionally to prevent rusting.

Place a drop of light machine oil in each port on the motor every six months.

Grease the Agitator Shaft at regular intervals.

Oil the Ink Cylinder Shaft at bearings.

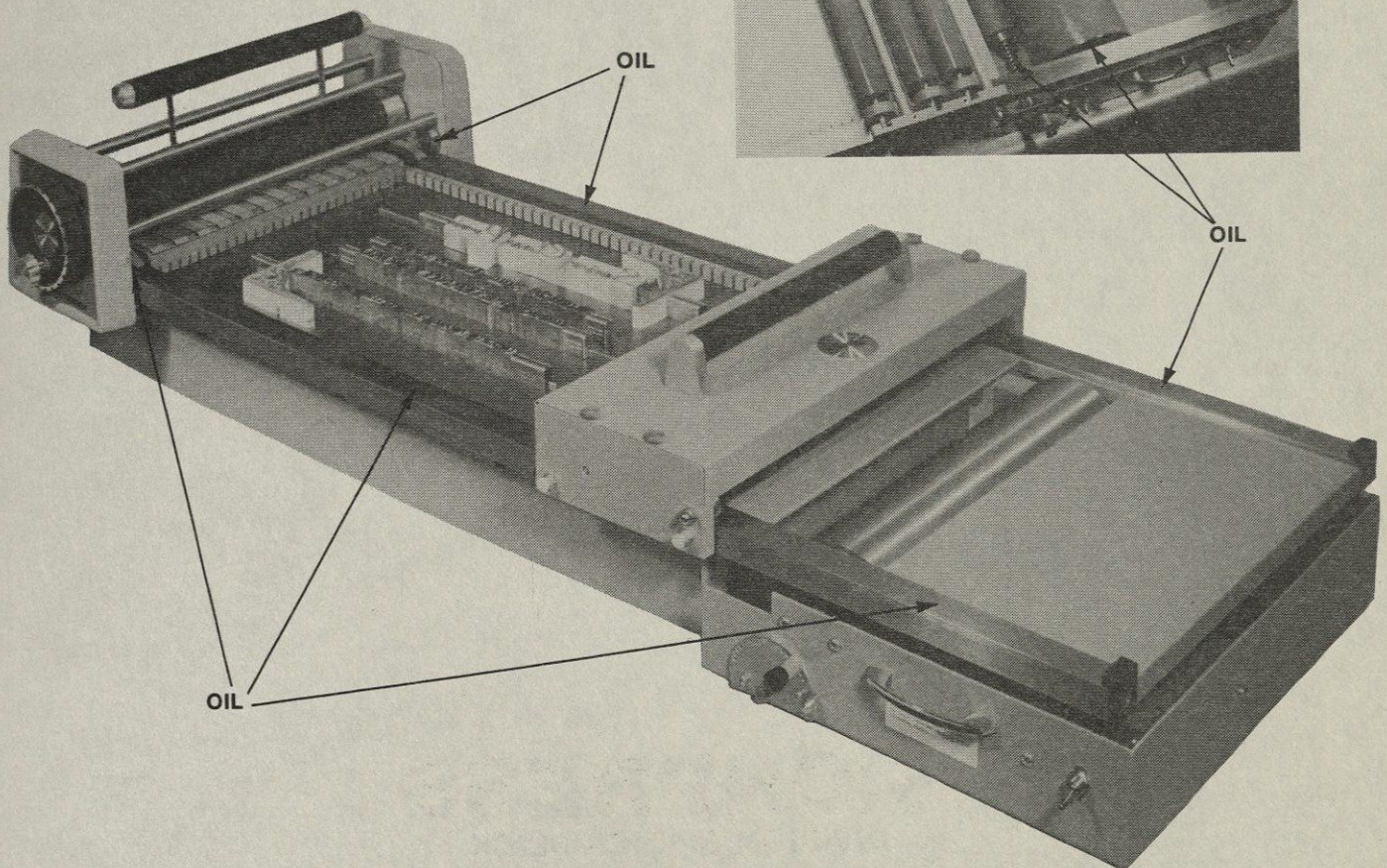
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