Dahec Instrumentacion

pamarco

PROOFMASTER™ Handproofers

Congratulations on your decision to purchase the Pamarco ProofMaster Precision Handproofer. An industry standard for years it is second to none for experimental and laboratory proofing of flexo inks and other fluid coating and coloring materials, on all surfaces: Polyethylene, Cellophane, Glassine, Metallic Foils, Plastic Films, Paper and Paperboard. Your handproofer is a precision instrument and proper care will insure years of good operation.

INSTRUCTIONS FOR HANDPROOFER ASSEMBLY

Assembled Handproofer

Your proofer will come assembled. Damage to the proofer can come from improper assembly and disassembly. Following the instructions will minimize the chance of damage to your proofer handle or rolls. It is best to keep the assemblies separate. Use care when handling the anilox roll. The slightest damage renders it useless.

- Assemble everything on a flat surface.
- Make sure the tension is released before assembly. Pulling the tension release sleeve backward and rotating clockwise or counter-clockwise can do this.
- Follow the assembly directions for inserting or removing rubber and anilox rolls. Improper handling will bend the roll journals.

I. PROOFER HANDLE ASSEMBLY:

1. Mount Handle "L" Bracket to the Handle with the Thumbscrews using the outside holes on the "L" bracket. Keep loose. You will need to move handle in and out to complete assembly.

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3. Push Lower Bearings onto anilox roll and into slot on roll carriage. "Roll Carriage Assembly"

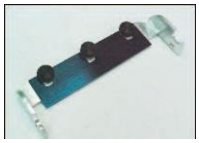
4. Align Rubber Roll in one side of the upper bearing and Roll Carriage Assembly with slot in handle.

5. Pick up handle and guide anilox journal into the slot and rubber roll journal into upper bearing. Place the handle back on flat surface and tighten Thumb screws. This ensures proper roll and handle alignment. Do not overtighten. The rubber roll and anilox roll should rotate freely. Rotate tension release screw to apply tension and adjust accordingly with Tension Bolt.

II. DOCTOR BLADE ASSEMBLY:

(Eliminate this step if you do not have the Doctor Blade assembly)

1. Make sure the tension is released before assembly. Assemble the doctor blade onto and inside the doctor blade bracket by using 3 of the Thumbscrews and washers provided. Keep Thumbscrews friction tight. (Blade can still be moved with fingers)
"Doctor Blade Assembly"



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3. Attach Doctor Blade Assembly with 2 Thumbscrews and tighten.

4. Align doctor blade with anilox roll. Make sure blade contacts entire roll surface. Tighten screws. Rotate tension screw to apply tension.

MAINTAINING YOUR PROOFMASTER HANDPROOFER

Your Pamarco Proofmaster Handproofer is designed to give you years of reliable service. Our experience has shown us that several simple steps will greatly enhance the effectiveness of your handproofer.

- Disengage the anilox roll when not in use. Leaving the anilox roll engaged will leave a line in the rubber roll that will transfer to your laydown.
- Do not rest the handproofer on the rubber roll. This will leave a line on the rubber roll.
- Clean your handproofer, anilox and rubber rolls after every use. There are many suitable cleaners on the market. Pamarco offers a proofer cleaning kit for your specific application.
- Your proofmaster should be entirely disassembled periodically lightly lubricated to keep the plunger moving freely.
- Store your spare anilox rolls and rubber rolls in a safe place.

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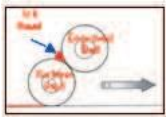
Thank you for your purchase of the Pamarco ProofMaster Precision Handproofer.
Your handproofer is a precision instrument and proper care will insure years of good operation.

NOTE: Inks or coatings containing solvents harmful to the rubber-covered proofer roll should NOT be used with the Precision handproofer.

USING THE PAMARCO PRECISION HANDPROOFER



First, place the stock to be printed on a smooth clean, flat surface and adjust the tension of the roller to the desired setting. Then drop about ½ teaspoonful of the ink or coating to be proofed in the nip at the top and between the two rolls of the proofer. Spin the rolls by hand in order to fully "ink up" the anilox roll. Next hold the proofer so that the rubber roller rests on the stock and draw it toward you, using a smooth, even, moderately fast stroke with just enough pressure to turn the rollers without slippage. You need not bear down heavily on the proofer.

Proofs may be made through a mask if desired, for special effects or to evaluate colors for "trapping" or overprinting. When operated in this manner the handproofer gives a proof on which the ink film thickness and coverage closely matches the results produced by most flexographic presses.

To prolong the life of the rubber roller in the handproofer, the design permits the tension on the rubber roll to be adjusted. Pulling the tension release sleeve backward and rotating clockwise or counter-clockwise can do this. Any desired adjustments in pressure between the two rollers can be made simply and easily. When not in use, the rolls should be disengaged completely, thereby eliminating flat spots, prolonging the life of the rubber roller. Leaving the rolls engaged when not in use is the single biggest cause for rubber roll failure and poor proofs. This will also make the proofer easier to operate. The Pamarco handproofer is designed that when it is at rest the rolls are raised so that they are not in contact with the supporting surface. No inked surface touches the bench top or stock and the rubber roll will not develop a "flat" as it would if it rested on the working surface.

TROUBLESHOOTING

Production press ink distribution systems vary considerably. Fountain to form roll ratios vary; and doctor blade distribution systems are markedly different. If your handproofer gives ink coverage which differs from that of any particular press, you may readily replace the engraved roll with any one of the range of finer or coarser rolls which enable you to not only match the results obtained from almost any Flexographic press, but also to approximate the results of a wide range of coloring and Coating operations. It is very common for anilox rolls in the production press to vary from those in the proofer in both cell count and volume. You may need to maintain a library of anilox rolls to successful proof for your pressroom requirements. The difference is caused by certain variable factors that are commonly found in commercial flexographic printing. Some of the differences most frequently responsible for such variations are:

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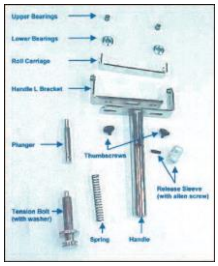
- Ink Viscosity - Inks (or coatings) used with the handproofer should be at the same viscosity as actually used on the press under normal production conditions.
- Rubber (fountain) roller hardness on production presses - These may vary from 50 to 75 durometer hardness, as measured on the Shore “A” scale. Based on the specification of your purchase your rubber roll is either 50-55 shore A durometer or 70-75. 50-55 is the most common.
- Press Operating speeds - These may range from a low of less than 100 feet per minute to highs of nearly 2000 feet per minute.
- Circumference of proofer rolls vs. production press rolls - Significant solvent evaporation takes place around the circumference of production press rolls, while very little takes place in the case of the small proofer rolls. This can account for significant ink film differences.

PAMARCO PRECISION PROOFING MACHINE

For added consistency you may want to consider the Pamarco Precision Proofing machine. Consistency is built in as the variable of human pressure inconsistency is taken out. It is the industry’s first proofer to give you computer-quality samples filling today’s needs for precise color matching can be met quickly, easily and economically. Use it to create accu- rate, repeatable film thickness impressions- with inks, laminates and adhesives, on a com- plete spectrum of substrates. It’s also applicable for ink estimates, and even helps in determining roll wear. Easy to use it is based on an air-driven technology, the unit has a repeatable and adjustable proofing cycle. It also eliminates the variables of hand proofing-always giving the same speed, impression, anilox setting and film thickness readings as calibrated. So you have exact QC and SPC required reading from proof to proof.

REPLACEMENT PARTS

Replacement parts are available:



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