



Product Manual

RollMaster™ 1000

Line Painting Machine

10003856



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RollMaster™ 1000 Line Painting Machine

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**Thank you for purchasing the Newstripe
RollMaster™ 1000 Line Painting Machine.**

Please read over the instructions and make sure you understand the operating procedures before using the unit.

Please check the serial number on your unit. This Manual is for units with serial number 1041186 and above only. For units with serial numbers below 1041186, please contact Newstripe for the correct product manual.



RollMaster™ 1000 Line Painting Machine



PRECAUTIONARY WARNINGS

- **PLEASE** read and understand all operation instructions as detailed in this manual. Failure to follow specified instructions may result in equipment damage or severe injury to personnel.

- **DO NOT** use solvent or oil-based paints. Solvent or oil-based paints may damage the roller cover or hose. Use water-based paints only.

- **ALWAYS** keep paint and foreign matter away from the pump.

NOTE: It is especially important that the pump rollers are kept clean. Make sure that they spin freely before each use.

- **NEVER** use solvents or fuels, such as gasoline to clean the RollMaster 1000. Use only warm soapy water to clean the machine.

NOTE: Pressure washing is not recommended.

- **DO NOT** use brushes with metal bristles or any metal object to clean any part of the RollMaster 1000.

- **DO NOT** dispose of the Paint Can Dip Tube (metal tube used for pulling the paint from the can), Mandrel Tube (metal tube that inserts into the mandrel), Mandrel, and Knurled Nuts. These are permanent parts of the machine that are not included in replacement roller and hose kits.

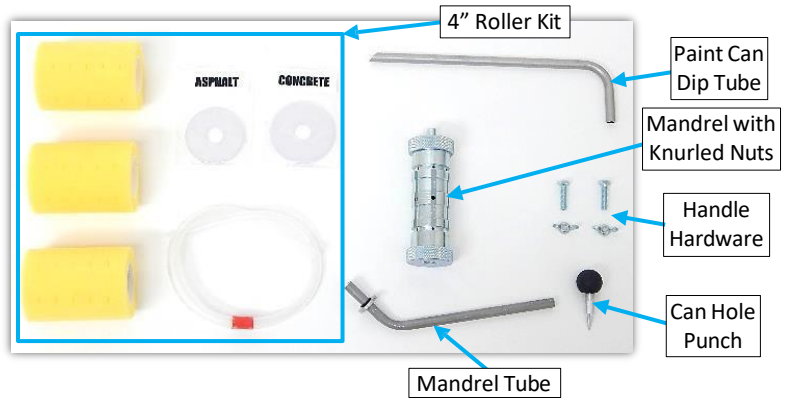
NOTE: These parts must be cleaned after every use. A flexible tube brush with plastic bristles may be beneficial for cleaning these parts.

- **ALWAYS** consult your Facility Safety and/or Personnel Department for specified safety protocols prior to operating this equipment.

RollMaster™ 1000 Line Painting Machine

Your RollMaster 1000 Box Should Include:

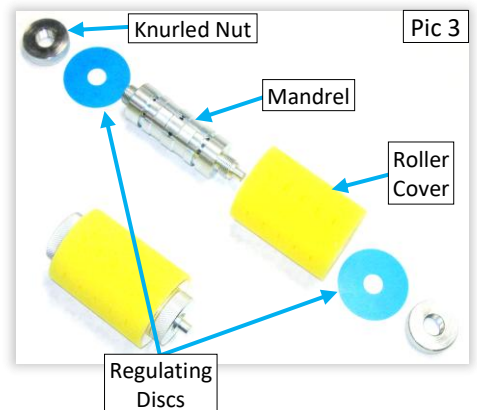
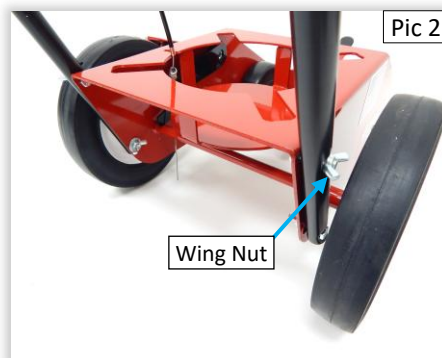
- Paint Can Hole Punch
- Paint Can Dip Tube
- Mandrel Tube with O-Ring
- Mandrel with Knurled Nuts
- 4" Roller Kit
- Handle Hardware



ASSEMBLY

1. Remove the chassis and handle assembly from the box. (Pic 1)
2. Rotate the folding handle upward so that the holes are aligned with the corresponding holes in the chassis. Be careful not to damage the control cable. (Pic 2)
3. Fasten the handle to the chassis with the provided $\frac{1}{4}$ " wing nuts on the outside of the handle. (Pic 2)
4. Rotate the top section of the handle upward to the unfolded position and then tighten the wing knobs.
5. The guide kickstand/line guide raises the mandrel off the surface when it is in the vertical position. When lowered for striping it serves as a line guide. (Pic 1)
6. Remove the protective film from the regulating discs before installing them on the mandrel. (Pic 3)
7. Place one regulating disc on one threaded end of the mandrel, and then screw on one knurled nut, finger tight, to retain it. Slide the roller cover onto the mandrel and install the second regulating disc and knurled Nut. Tighten the nuts fully by hand.

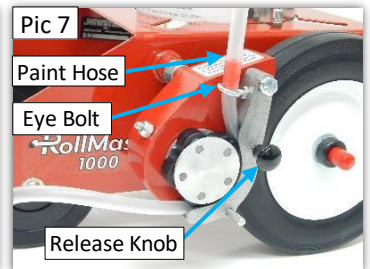
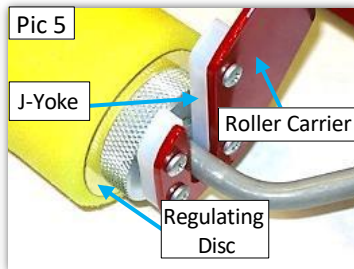
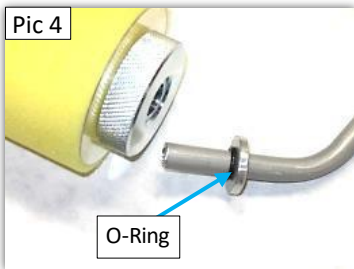
NOTE: PVC spacers and discs with larger holes will be included with your kit if you ordered 2" or 3" wide rollers. Follow the above assembly instructions, except you must add these spacers between the discs and the knurled nut.



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ASSEMBLY FOR STRIPING

1. Apply a light coating of grease to the O-Ring and the short end of the mandrel tube. Insert the greased end of the mandrel tube into the open side of the mandrel with the O-Ring toward the mandrel. (Pic 4)
2. Place the mandrel with the roller cover in the J-Yokes of the carrier assembly with the mandrel tube to the left side of the machine. The washer of the mandrel tube will be on the **inside** of the J-Yokes. The mandrel should be able to slide up and down freely in the J-Yokes. If necessary, bend the side plates out just enough to allow the mandrel to move up and down freely. (Pic 5)
3. Open the trough by grasping the thumb grip on the trough and the rear wheel hub while squeezing them toward each other, until it clicks and locks in the open position. (Pic 6)
4. Push one end of paint hose over the end of the mandrel tube and then insert the hose under the pump rollers, inside the trough. Squeeze the hose flat just below the red band and then insert it through the side of the trough eye bolt with the red band **on the top side**. Close the trough by pulling out on the release knob on the side of the trough while lightly squeezing the thumb grip and wheel hub toward each other. (Pic 7)
5. Make sure the paint hose is under the pump rollers and is not pinched by the sides of the trough.



OPERATION

1. Punch a hole in the paint can lid with the provided punch about 1 inch from the left edge. A second small vent hole should be punched near the first hole.
2. Insert the paint can dip tube into the hole that you punched in the paint can lid.
3. Push the open end of the paint hose onto the end of the paint can dip tube.
4. Make sure the trough is in the closed position.
5. When you squeeze the control lever, the pump drive wheel is brought into contact with the rear wheel. The paint is then pumped directly into the mandrel and out through the roller, as you move forward. When you release the lever, the pumping stops.
6. To prime the roller cover for painting, tip the unit back slightly so the front wheels are off the ground. Squeeze and hold the control lever while rolling the unit forward approximately 50-75 feet. You should see dots of paint forming on the roller cover. This indicates that the roller cover is priming properly with paint.
7. After priming the roller cover, place the unit on an existing line or on cardboard and roll the unit forward and backward with the front wheels and roller contacting the surface until the roller is completely saturated.

NOTE: Only squeeze the control lever when moving forward. Release the lever when rolling backward, or the paint will be sucked back to the paint can.

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OPERATIONAL NOTES

- **DO NOT** use solvent or oil-based paints. Use of solvent or oil-based paints may damage the roller cover and hose. Use water-based paints only.
NOTE: Paints that dry faster than 10 minutes are not recommended. Newstripe Fast Dry Paint is suitable for use in this machine. We recommend only using water-based traffic paints, as they are easier to clean up and do not “lift” new asphalt surfaces.
- **DO NOT** over thin the paint. If you must thin the paint, you would normally not thin it more than 4 ounces (1/2 cup) per gallon.
NOTE: Most paints can be used without thinning, however, some paints will flow better and give you better results with some thinning. Cooler temperatures or rough surfaces may also require some thinning to improve the appearance of the painted line.
- **ALWAYS** follow the paint manufacturer’s recommendations for best results.
- **NOTE:** The mandrel and roller should slide up and down freely in the J-Yokes with a side clearance of not more than 1/32". Proper clearance was set at the factory, but it may be necessary to spread the sides of the roller carrier assembly to regain this clearance.
- **ALWAYS** keep the J-Yokes clean. The mandrel and roller should roll freely in the J-Yokes. If not, make sure that the J-Yokes are clean and apply a light film of grease to the short end of the mandrel tube and O-Ring.
- The roller must be saturated with paint before a solid painted line will be transferred onto the surface to be painted. It is recommended that you saturate the roller as detailed in the operation instructions.
- If the roller becomes oversaturated with paint, release the control lever for a short period of time. Continue rolling forward to allow the excess paint to transfer from the roller onto the surface area. Squeeze the lever again when the roller requires additional paint. This practice is called feathering and will be required when the operator is striping a 2" or a 3" line.
- Releasing the lever when you are 2-3 feet from the end of the line will allow you to finish with a clean crisp line end, without puddling.
- **ALWAYS** move at a slow constant pace for nice, even line edges.
- **ALWAYS** cover the mandrel and roller with plastic wrap to prevent them from drying out, when stopped for prolonged periods.

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CLEANING PROCEDURE

1. When you are finished striping, open the trough, and then roll the machine forward with the roller contacting a dry painted line to transfer any excess paint out of the roller cover.
2. Remove the end of the paint hose from the paint can tube. Keep the hose upright to avoid dripping paint.
3. Squeeze the paint hose out through the side of the trough eye bolt. Remove the paint hose, mandrel tube, mandrel, and roller cover from the machine.
4. Set the mandrel tube and paint can tube aside for cleaning.
5. Remove one knurled nut and regulating disc from the mandrel and then slide the roller cover off and discard it. Remove the second knurled nut and regulating disc from the mandrel. Discard the regulating discs and the paint hose.
6. Clean the mandrel, knurled nuts, mandrel tube, and paint can tube with warm soapy water for future use. **DO NOT** throw away the mandrel, mandrel nuts, paint can dip tube, or mandrel tube.
NOTE: Always use warm soapy water to clean up. **DO NOT** use petroleum-based cleaners or thinners with water-based paint, as they will react with the paint and make it difficult to clean the parts.
7. Apply a light coat of spray oil to all moving parts.

TROUBLESHOOTING GUIDE

PROBLEM	REMEDY
Paint is not getting to the roller, or too little paint is getting to roller.	1. Make sure the trough is closed on the paint hose without pinching it. 2. Check the paint hose for a kink. If the hose is kinked, open the trough and rotate the hose to unkink it. Replace the hose if necessary. 3. Check that the pump drive wheel is contacting rear wheel when the control lever is pulled. If it is not, adjust the cable at the chassis. 4. Check that all pump rollers spin freely. If not, clean the rollers of debris or paint and lubricate them with a light oil. 5. Check to see if your paint is "Set Fast" or "Fast Dry". These paints are not recommended and require thinning, which may cause the paint to dry slower or may diminish the overall line quality.
Painted line is solid on one side, but light or skipping on the other side.	1. Check that the mandrel is not binding and moves up and down freely in the J-Yokes. Adjust the J-Yokes if needed. Clean any debris or paint off of the J-Yokes. 2. If the mandrel is riding up on the mandrel carrier sides, grease the mandrel tube end and O-Ring.
Painted line has heavy ridges on the edges or excessive paint.	1. Make sure that you are using the proper regulating discs. 2. Periodically release the control lever every few feet during striping to avoid oversaturating the roller cover.
Paint line skips across the width of the roller.	1. Make sure that the mandrel and roller cover are rolling freely. If not, grease the mandrel tube end and O-Ring. Make sure the J-Yokes are clean.

Your machine is designed to be simple and safe to operate.

Please call Newstripe at 303-364-7786 if you have any questions during setup, painting, or cleaning.

RollMaster™ 1000 Line Painting Machine

PARTS LIST

Item	Description	Part Number
#1	Dip Tube, Paint Can	10000665
#2	Paint Hose (5-Pack)	10002496
#3	Mandrel Tube Assembly	10003864
#4	O-Ring, 3/8" ID x 1/16" Thick	10000027
#5	Knurled Nut (2)	10000646
#6	Mandrel	10000643
#7	Trough Assembly	10000652
#8	Trough Lock Pin Kit	10000671
#9	Pump Rotor Assembly	10000654
#10	Pump Drive Tire (Not Shown)	10000650
#11	Pump Control Cable	10002519
#12	Handle, 2-Piece Folding	10004852

Item	Description	Part Number
#13	Hand Grip (2)	10000967
#14	Control Lever	10000821
#15	Front Wheel (2)	10000753
#16	Rear Wheel (2)	10003837
#17	Paint Can Hole Punch	10000669
#18	Actuating Arm Spring	10000692
#19	Cable Swivel Stop	10001577
#20	Cable Adjuster	10000018
#21	Roller Carrier Bracket	10004024
#22	J-Yoke (2)	10004023
#23	1/4-20 Wing Nut (4)	10000107
#24	Wing Knob	10004899

3-Pack Replacement Roller Kits include 3 roller covers, paint hoses & 12 discs:

- 4" Replacement Roller Kit (10004377)
- 3" Replacement Roller Kit (10004378)
- 2" Replacement Roller Kit (10004379)

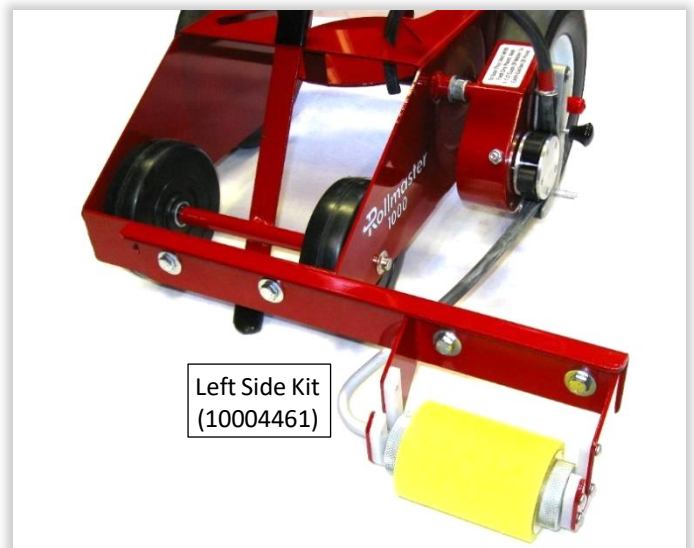
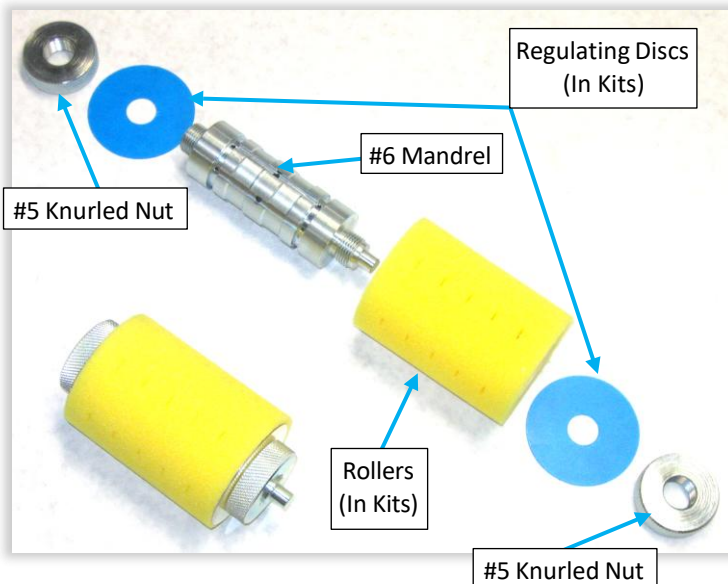
12-Pack Replacement Rollers include 12 roller covers & 48 discs:

- 4" Replacement Rollers and Discs (10000728)
- 3" Replacement Rollers and Discs (10001461)
- 2" Replacement Rollers and Discs (10000729)

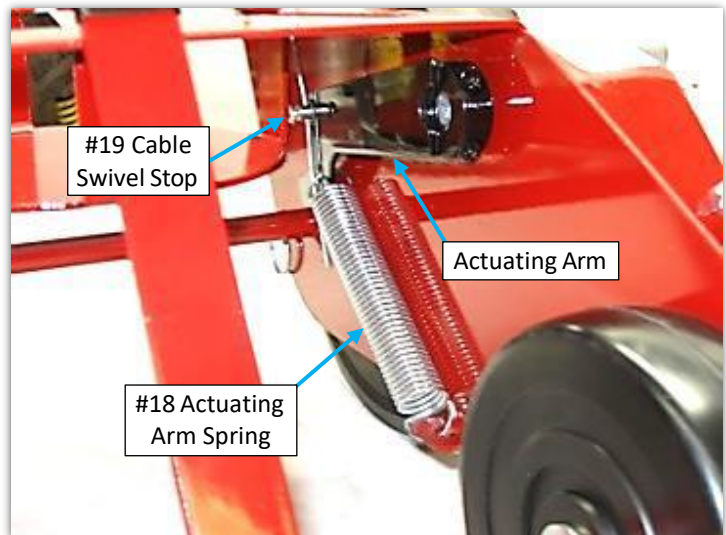
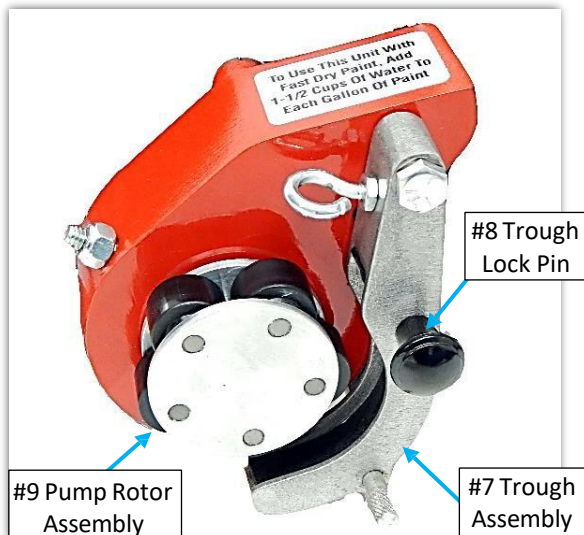
5-Pack Replacement Hoses (10002496)

Optional Left Side Kit (10004461)

- For striping to the left side of the machine instead of the center.



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10003856

18 Month Warranty

Newstripe, Inc. ("Newstripe") warrants to the original purchaser, for 18 (Eighteen) Months after date of purchase, that the equipment* hereby sold shall be free of defects in materials and workmanship. This warranty does not extend to any damage or malfunction resulting in misuse, neglect, accident, improper operation, or normal wear and tear.

* Gasoline engines, compressors, low pressure pumps, and transaxles are furnished with their respective manufacturers' warranties only and are not covered by any warranty of Newstripe. High pressure pumps manufactured by Newstripe (excluding wear items like diaphragms and valves) are warranted for materials and workmanship for 12 Months after the date of purchase.

Damage incurred in shipment from Newstripe to the purchaser is the total responsibility of the shipping carrier. The purchaser is responsible for noting any damages on the Bill of Lading of the shipping carrier and Newstripe will work with the shipping carrier to resolve any damages incurred.

The Newstripe obligation under this warranty and any implied warranties is limited to replacement or repair of defective parts of its manufacture without charge for 18 (Eighteen) Months from date of purchase. For service under this warranty, the purchaser shall obtain an approved Return Materials Authorization (RMA) from Newstripe and then ship the defective part or parts of the equipment, transportation prepaid by the purchaser, to Newstripe together with a written description of any claimed defect and proof of purchase date of the materials being returned. To review Newstripe's complete guidelines for warranty claims and returns, please visit our website at www.newstripe.com.

The responsibilities described above are the only responsibilities of Newstripe under this written warranty or any implied warranty and may be exercised only within 18 (Eighteen) Months from the date of original purchase. In no event shall Newstripe be liable for incidental or consequential damages and no person had any authority to bind it to any representation or warranty. Newstripe is not responsible for work done, materials furnished, or repairs made by others without its specific written authorization.

This warranty shall be in lieu of any and all other warranties, expressed or implied, including any warranties of merchantability or fitness for a particular purpose, and there is no other representation or warranty of any kind with respect to the goods sold hereby except as set forth herein. It is expressly agreed that this warranty shall be limited to the adjustment, repair or replacement of parts and the labor and services required thereby. In no event, including any claim of negligence, shall Newstripe be liable for incidental or consequential damages.

