

# INSTALLATION SECTION

Colmac Topper



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## INSTALLATION

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The Colmac Industries TOPPER Pant Finishing Machine (hereafter referred to as the TOPPER) is designed to provide years of maintenance free continual service. The machine is equipped with the latest in PLC technology from Allen Bradley/Rockwell. The PLC operator program was engineered to allow the customer total versatility to accommodate past, present, and future pant pressing fabrics. The Topper was designed with ergonomics, user needs, and maintenance/service in mind. As standard, every machine is plumbed to accept a customer provided vacuum system. The vacuum system will speed up the pressing cycle by rapidly deflating the air bag to allow for quicker dressing and pant removal. For ease of service and maintainability, this equipment incorporates only four (4) moving parts: blower package, waist clamp assembly, pants expander assembly, and internal damper/vacuum assembly.

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### INSTALLATION INSTRUCTIONS

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The TOPPER is shipped on a wooden pallet/crate for ease of movement within the customer's facility. Inspect the equipment for shipping damage prior to uncrating. If damage is found, file a freight claim with the shipping company directly. The Colmac Industries warranty does not cover shipping damage.

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### SETUP INSTRUCTIONS

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#### **CAUTION**

***WHEN USING A FORKLIFT TO POSITION THE PRESS, MAKE SURE THAT THE FORKS ARE POSITIONED UNDER THE HEAVIEST PART OF THE PRESS. BE SURE THAT THE FORKS EXTEND ALL THE WAY UNDER THE FRAME AND ARE NOT LIFTING ON THE SHEET METAL PANELS. DO NOT LIFT THE PRESS BY THE PANELS.***

1. Uncrate the TOPPER.
2. Locate equipment on a flat, level surface. Equipment is provided with four (4) corner level and height adjustment foot pads, which can raise or lower the unit 3 inches for operator comfort.

3. Connect steam plumbing to back side of the equipment (Reference Figure 1). The upper, copper piping connection is the steam supply line. The lower, copper piping connection is the condensate return line. The unit is shipped with a steam trap installed on the condensate return line. (Refer to standard steam piping diagram in the “Maintenance” section.) Steam consumption is 2.5 BHP of 80 psi steam (86 lbs-condensate/hr).

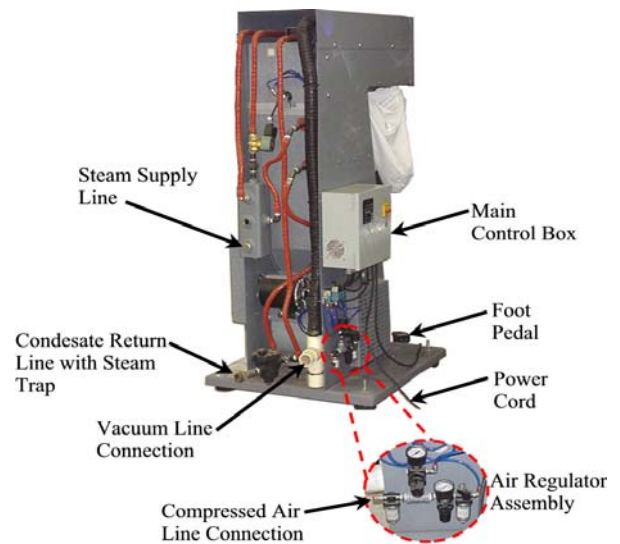


Figure 1 –SIDE/REAR VIEW

**NOTE: PROPERLY INSULATE ALL STEAM LINES TO PROTECT PERSONNEL AND INCREASE OPERATING EFFICIENCY.**

4. Connect compressed air line plumbing to air regulator assembly. The air regulator connection is plumbed to accept 1/4” plastic tube. Compressed air consumption is 30 psi at 1 cfm. Refer to Figure 1 for location of air regulator assembly.

**NOTE: THE AIR SYSTEM THAT THIS PRESS IS CONNECTED TO SHOULD BE FREE FROM MOISTURE AND FOREIGN MATERIAL. FAILURE TO DO SO WILL VOID THE WARRANTY. BLOW OUT THE AIR LINES BEFORE MAKING THE FINAL CONNECTION TO THE PRESS.**

5. Connect the power cord plug into a 15 amp, 120 VAC, 60 Hz, Single Phase circuit breaker protected outlet. The equipment is prewired to a NEMA 5-15P plug connector on 5 foot SO cord from the control box. Verify control box disconnect switch is in the DE-ENERGIZED position PRIOR to connecting power cord.

**CAUTION**

***CHECK THE ELECTRICAL REQUIREMENTS ON THE INSTALLATION & SALES DRAWING AND ON THE SERIAL PLATE TAG BEFORE MAKING ANY CONNECTIONS! IT IS THE CUSTOMER'S RESPONSIBILITY TO ASSURE THAT ALL ELECTRICAL CONNECTIONS ARE IN ACCORDANCE WITH ALL NATIONAL, STATE AND LOCAL CODES.***

6. Connect vacuum line to customer supplied vacuum system. Refer to Figure 1 for location of vacuum line connection on equipment.

**CAUTION**

***It is strongly recommended that the steam, condensate return and compressed air lines have shut off valves installed in the piping feeding the Topper Pant Finishing machine. These shut off valves should be located beside the machine.***

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**LAYOUT OPTION**

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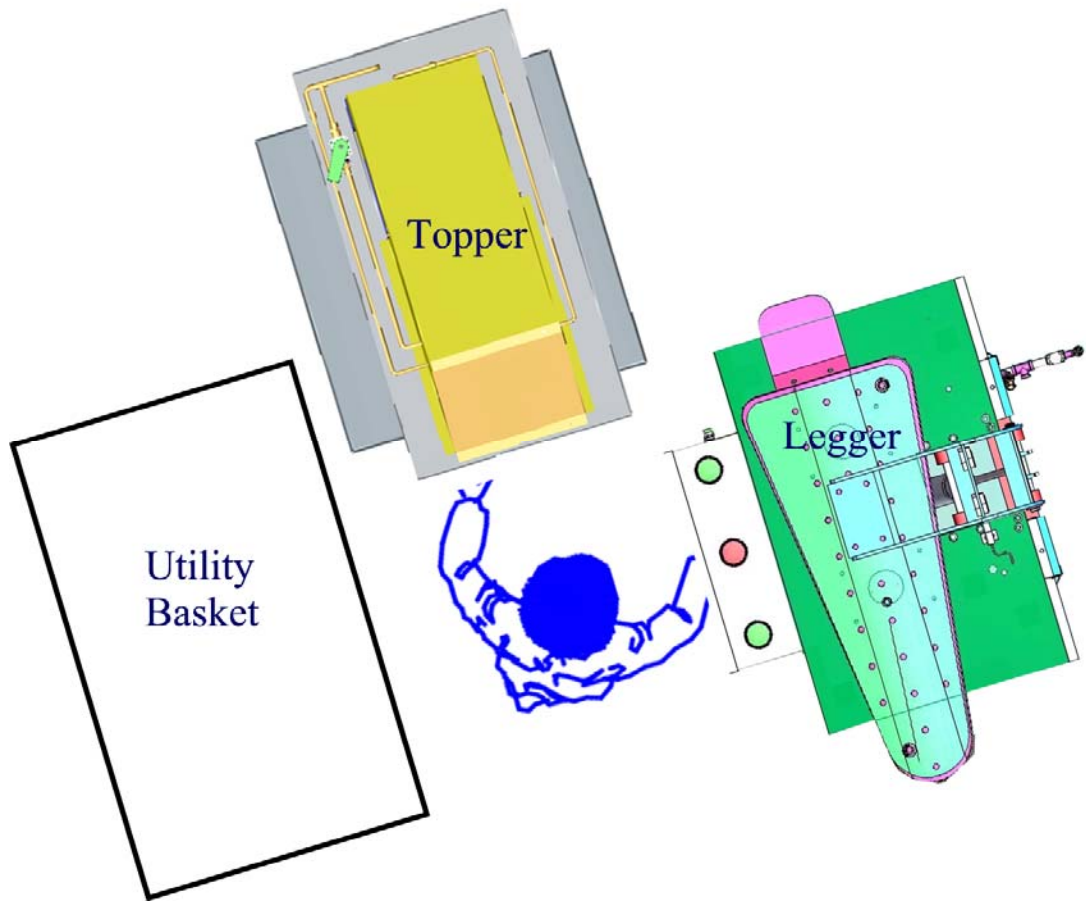


Figure 2