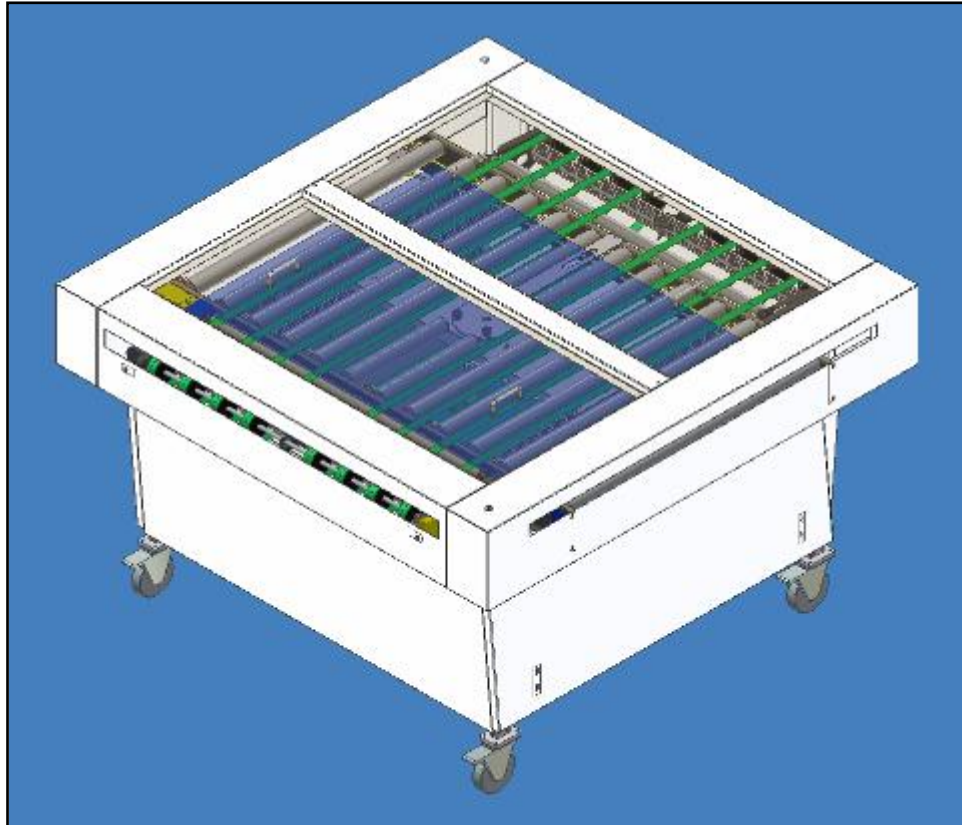


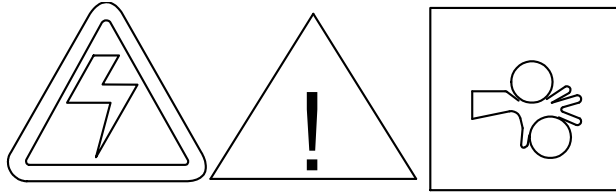
CONVEYOR MODULE

CM62-X-R



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SAFETY INFORMATION

The CM62-X-R Conveyor Module is designed to function automatically with minimal operator interface. The operator is neither required nor expected to assist in the normal operation of this machine.

The inner workings of the machine are covered with protective panels to prevent an operator or any other personnel from introducing a limb into the machine while in operation. Moving parts within the machine may cause severe physical injury. It is therefore imperative to:

- Keep all machine access doors fully closed.
- Keep all covers and panels in their original place and condition.
- Do not by-pass any of the specially designed safety features.

Access panels have sensor switches which instantly disable machine power when opened or removed before another cycle has completed.

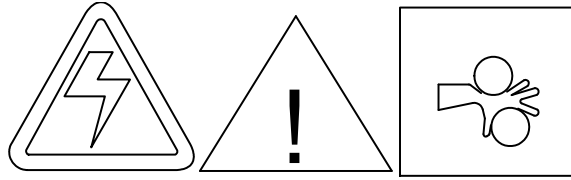
The CM62-X-R has two (2) Emergency Stop (E-STOP) buttons, located in opposite corners. They are the large, red buttons surrounded by the yellow disk. If a plate fails to transfer through the machine during operation, press either of the E-STOP buttons first before attempting to correct the situation.

Maintenance and repair on this machine should be performed only while the Power Main Switch on the front of the electrical box is in the off or "O" (left) position, with the air pressure removed. If any panels are opened or removed for maintenance or repair purposes, they must be replaced prior to powering up or operating the machine.

This unit is intended for installation in restricted areas only.

The building installation is considered as providing short-circuit backup protection. A minimum of 100 kA interruption rating is required.

Never install this unit in explosive environments.



WARNING SUMMARY

Anyone operating or servicing this machine should read and understand all Warnings and Cautions. Failure to follow these Warnings may result in injury to personnel and/or damage to the equipment.

1. Potentially fatal voltages are present in this machine. Serious injury can result from improper handling or usage. Read and follow all warnings and cautions in this manual and on the machine itself. Never attempt electrical service on the equipment unless you are a trained electronic technician. Always shut off power at the disconnect device before making electrical connections or servicing electrical components.
2. Never make electrical connections to the equipment unless you are a trained electrician.
3. Disconnect all electrical and pneumatic power before removing machine panels or covers.
4. Never operate the equipment until it is reliably electrically grounded, not through the water system.
5. Never touch supply voltages; they can be lethal.
6. Always replace fuses with those of the same type and rating.
7. Always wire the power supply through a nearby disconnect device.
8. Always use care when opening the shipping carton. Strapping bands can snap causing serious injury to personnel.
9. Never move the machine without enough help and/or lifting tools.
10. Never operate the machine without its protective panels and guards installed. Beware of rotating gears and belts, rollers, and chains, and stay clear of them while machine is in operation.

OPERATOR CONTROLS

The CM62-X-R requires minimal operator intervention or control.

EMERGENCY STOP

The CM62-X-R has 2 Emergency Stop (E-STOP) buttons, located in opposite corners. Refer to Figure 1. They are the red knobs surrounded by yellow disks. When pressed in, the switch breaks the power to the control circuit and instantly removes air power from the machine. Press the E-STOP button first to clear any plates during operation. When the button is turned clockwise and pulled out, the circuit closes.

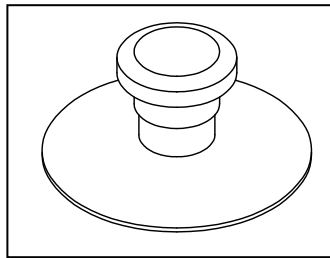


Figure 1. EMERGENCY STOP (E-STOP) BUTTON.

ON AND OFF CONTROL SWITCHES

To restore or remove machine power, press the On or Off control switch, as desired. Refer to Figure 2.



Figure 2. ON AND OFF CONTROL SWITCHES.

OPERATING INSTRUCTIONS

Once the machine is properly installed in line between the exposure unit and the processor, the operator should verify that the electrical box and all machine panels and doors are fully closed and that both E-STOP buttons are disengaged. If either E-STOP is engaged, rotate the red button clockwise to release it. Press the On control switch.

The operator should be aware of the signals passed between inline machines. Should a plate jam or other line malfunction occur during operation, the CM62-X-R signals the machine upline to send no more plates. Similarly, the CM62-X-R is also signaled by the machine downline to send no more plates in that same situation.

Should either of these situations occur, it is necessary to first press either of the machine E-STOPS before trying to retrieve or remove the plate. After the problem is fixed and the plate has been removed from the machine, then release the E-STOP(s) to resume normal plate processing.

CM62-X-R SPECIFICATIONS

CM62-X-R machine specifications are listed below.

ELECTRICAL REQUIREMENTS			
Single-Phase	115 / 230 VAC (±10%)	5 AMP	50 / 60 Hz

PNEUMATIC REQUIREMENTS	
90 PSI @ 6.2 BAR (input)	10 CFM @ 280 L/Min (regulator setting)

HEIGHT	(Adjustable)
WIDTH	62 inches / 1,575mm
DEPTH	78 inches / 1,981mm (including entrance conveyor extension)
WEIGHT	525 pounds / 238kg (Crated weight 1,025 pounds / 465kg)

	MINIMUM	MAXIMUM
PLATE DIMENSIONS	12 X 14 inches 305 X 356mm	37 X 46 inches 939 X 1,168mm
PLATE THICKNESS	0.006 inches 0.1524mm	0.012 inches 0.3048mm

NOTE: For plates to be rotated, the diagonal measurement of the plate must not exceed 60 inches or 1,524mm, as shown in the diagram below.

