

## MOST IMPORTANT - RISK ASSESS!!!

Before you commence any work at your chosen work area, you should undertake some preliminary **hazard identification and risk control** precautions. Ideally more than one person should do this. This is undertaken by:

1. Physically inspecting the work site
2. Reviewing the best way/job steps required to complete the task
3. Reviewing the Safe Work Information supplied with the equipment
4. Reviewing other reference documentation and expert advice

The hazard identification and control process steps are defined as:

1. Identify the Hazards (eg. 240V power drill use around wet areas)
2. Assess the Risk (multi earth paths - possible electrocution)
3. Select the Control Measure (eg. dry the area; use an RCD; use a cordless drill etc)
4. Re-assess the Risk (risk of electrocution now negligible). This is undertaken to ensure that the risk control measures adopted have not introduced any new risks to the work area.

## HELP

If the unit does not operate correctly or you are unhappy with its performance, return it to the nearest Kennards Hire Centre for exchange or phone for assistance. **Do not attempt repairs yourself.** Refer to your hire contract for details of our **AFTER HOURS EMERGENCY NUMBER.**

## PERSONAL PROTECTION EQUIPMENT (PPE)



**Please Note:** Wash off units after use. Concrete is easily removed when wet. Once it is set, a significant amount of effort is required to remove it.

## SAFETY DO'S

### General Safety Do's

DO take your time to **Read this User Guide** and other Safety material (e.g. manufacturer's instructions) completely and in its entirety **BEFORE** operating a Miniveyor or Mightveyor unit. DO seek medical advice from your doctor if you have any medical condition that may be affected by the operation and manual handling of a Miniveyor or Mightveyor (conveyor) unit.

DO ensure that the equipment is suitable for your needs and working environment.

DO ensure the supplier/hirer shows you how to use the equipment and that you fully understand and are familiar with the equipment and its operations including emergency shut down/response.

DO ensure that the equipment is assembled and used according to the manufacturers and hirer's instructions.

DO check controls and any safety devices for proper response. DO wear appropriate PPE as illustrated.

DO ensure that the PPE you use has an Australian Standards compliance label.

DO check controls for proper response.

DO ensure that each conveyor module is firmly and safely supported and will not rock or move when loaded. Additional support such as scaffolding or trestles should be used if necessary. This is most important if using on an elevated position where additional screening may be necessary to prevent loads, such as blocks falling off the conveyor.

DO erect barricades where people can walk under or near elevated sections of conveyor.

DO stay clear of overhead wires and obstructions.

DO keep hands away from the moving belt and all other rotating and/or moving parts.

DO be aware of "pinch areas" and keep fingers away.

DO always operate in a clear hazard free work area.

DO keep all children and animals away from the Miniveyor or Mightveyor unit - use barricades if necessary.

DO ensure that you have clear access and egress to the work area whilst on the job.

DO ensure the work environment is well lit with all aspects of the job easily seen and discernable.

DO shut down the machine if a fault is detected.

DO check the condition of the machine at the start and end of each day and report any damage or defects.

### Electrical Safety Do's

DO not connect any more than 8 Mightveyors or 4 Miniveyors to the one power supply unit.

DO always use earth leakage protection such as a Residual Current Device (RCD).

DO ensure that the power is turned "off" at the power supply outlet before disconnecting or connecting cables and/or accessories.

DO ensure that as a minimum, any 240 volt electrical extension cord setup used comprises of three-pin moulded plugs and one heavy duty type cable not more than 15 metres in length and that all the connections are free from moisture.

DO ensure that Voltage and Ampere ratings and equipment are compatible - that is, 10 amp plugs for 10 amp outlets etc.

DO make sure extension leads are placed clear of water or other hazardous materials - keep cord from heat, oil and sharp edges.

DO ensure that electric extension cables are located where they are not likely to be damaged and are protected against damage and are not laid across passageways or accessways.

## SAFETY DON'TS

### General Safety Don'ts

DO NOT ever allow persons or animals to ride on or play near the equipment.

DO NOT operate equipment if tired or suffering any medical condition, or if under the influence of alcohol or drugs, which may cause lethargy or danger to you or others.

DO NOT operate the conveyors at an angle (measured relevant to the horizontal) greater than the design specifications, that is, 33o for Miniveyors and 45o for Mightveyors.

DO NOT leave conveyors running whilst unattended.

DO NOT use conveyors that may have become damaged (e.g. guarding), or that you suspect may be damaged electrically.

DO NOT overload the equipment - observe the maximum capacity. DO NOT ever stand under the conveyor.

DO NOT ever lean a ladder against the conveyor units.

DO NOT operate the unit from an elevated work platform, scaffold or truck.

DO NOT start the machine if a fault is detected.

DO NOT operate equipment without guards correctly fitted.

DO NOT overreach.

DO NOT ever force the unit to do a job for which it was not designed.

DO NOT wear loose clothing, gloves, neckties, rings, bracelets or other jewellery which may get caught in the moving parts; tie back long hair or wear appropriate headwear to prevent hair becoming entangled in rotating parts.

### Electrical Safety Don'ts

DO NOT if using a generator to supply power to the unit(s) connect any other tool to the generator other than the unit(s) being run.

DO NOT handle any electrical items (e.g. electrical plug) with wet hands or gloves.

DO NOT carry the unit by the electrical cord or yank it to disconnect from receptacle.

DO NOT use the unit if any electrical cord is cut, cracked, worn or damaged.

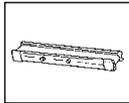
DO NOT risk unintentional starting when plugging in the unit. Confirm the switch is in the "off" position before inserting the power plug in the receptacle.

DO NOT touch movable parts or accessories unless the power source has been turned off and the power cord has been disconnected from the power source.

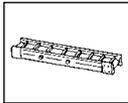
DO NOT ever lock switches in "on" position with tape, wire or by any other means.

DO NOT ever use the unit in damp or wet places, and never expose it to rain unless specifically designed for that purpose.

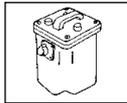
## IDENTIFICATION OF COMPONENTS



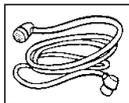
1. MINIVEYOR MODULE



2. MIGHTVEYOR MODULE



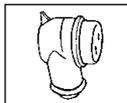
3. CONTROL BOX



4. CONNECTION CABLE

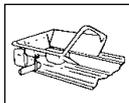


5. POWER BOX LEAD

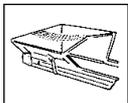


6. TERMINATOR PLUG

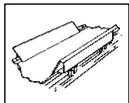
## ACCESSORIES



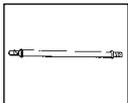
1. STANDARD HOPPER (HAND LOADING)



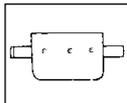
2. LARGE HOPPER (DIGGER LOADING)



3. SIDE EXTENSIONS

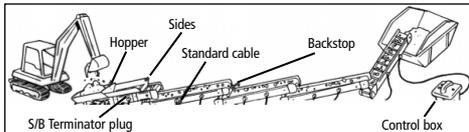


4. LIFTING HANDLE



5. BACKSTOP USE ON MINIVEYORS ONLY.

## TYPICAL SITE LAYOUT



## TO CONNECT

Each Mini and Mightveyor has two plug connections, one for each direction of travel. If you connect the cable to the right-hand socket, the top of the conveyor runs to the right. If you connect the cable to the left-hand socket, the top of the conveyor runs to the left.

1. Connect one end of a standard cable to the socket, which gives you the direction of travel required.
2. Connect the other end to the vacant socket in the neighbouring conveyor.
3. Now fit the terminator plug into the vacant socket of the last conveyor.
4. Connect free end of the first cable to the control box.

## BEFORE STARTING

1. Ensure that all cables and plugs are securely fitted.
2. Ensure that the conveyors are safely laid out with the appropriate support, where required.
3. Check power supply is fitted with an earth leakage protector, and extension leads are free from moisture.

## TO START

1. On control box - press green button to start operation. Green light should illuminate - white light should illuminate.

## TO STOP

1. On control box - press white button to stop operation.
2. Turn off power supply and disconnect leads.

## MAINTENANCE ON SITE

### DAILY MAINTENANCE

- Hose belt and brush down to clean.
- Check the condition of the machine at the start and end of each day and report any damage or defects.

### WEEKLY MAINTENANCE

- Grease side skirts with grease supplied.

### TROUBLESHOOTING

#### IF THE MINI/MIGHTVEYORS WON'T START

- Press blue button (re-set switch) on control box.
- Check white light is illuminated on control box - this means power supply is connected.
- Check green light is illuminated on control box - this means connecting leads and plugs are connected.
- Check all lead connections are secure.
- Check all leads are in the correct positions.
- Check Residual Current Device switch has not tripped, if so, look for cause.
- Check the terminator plug is fitted.

**Remember - Do not attempt repairs yourself - contact your local Kennards Hire Representative for advice.**

### HELPFUL HINTS

We have found by experience that over an 8-hour day, one person operating a Miniveyor system is roughly equivalent to 4 people

with 4 wheelbarrows. As the Miniveyors do not stop for pauses, we recommend that you work steadily when loading the Miniveyor, do not overdo it in the first 15 minutes.

The amount of material that can be moved by the miniveyor system depends on the consistency of the material to be moved and the required angle of inclination.

We recommend that a practical test be made to learn the best layout. Depending on the material to be moved, it may be more practical to change the angle of inclination or use a Mightveyor instead of a Miniveyor with steep angle of inclination. With steep angles of inclination a larger overlap may be necessary. The Miniveyor will operate up to about 30° inclination, depending on the type of load and conditions. The Mightveyor, fitted with a cleated belt, is best suited to inclines and will operate up to 45°.

Most installations are a mixture and it is most effective if the Mightveyor is used for incline work and Miniveyor is used for the less steep areas.

To decide the number of Miniveyors required, measure the overall distance to be covered. Each standard Mini or Mightveyor is 3 metres long (10ft) but you will have to allow an overlap of about 300mm (12") dependent on the situation. The amount of overlap required from one Miniveyor to another is not critical and can be adjusted to give the minimum over-spill. If you are moving block materials such as bricks, then it is possible to place the Miniveyors end to end without overlap.

## HANDLING

Lay protective sheet on surface for transporting.

To avoid manual handling injuries, adopt safe posture for lifting and manoeuvring of the unit, if necessary obtain help to move unit.

## SPECIFICATIONS

- Weight - 55kg - 60kg
- Weight Capacity - 100kg
- Handling Capacity - Up to 25 tonnes per hour.
- Size - (LxWxH) 3m x 395mm x 195mm
- Power Miniveyor - 240-volt 450watts
- Power Mightveyor - 240-volt 800watts
- Miniveyor - Inclination 30°
- Mightveyor - Inclination 45°

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