

Palletiser for Christmas trees



1. Safety Instructions

Personal Protective Equipment (PPE):

- Safety shoes with reinforced toe caps to prevent injuries from falling loads.
- Protective gloves to avoid scrapes or pinching when handling trees and pallets.
- Safety goggles or face shield if there is a risk of projections (dust, resin).
- Close-fitting clothing to avoid snagging (no cords, scarves, etc.).

Pre-use Checks:

- Check the stability and cleanliness of the work area: flat, dry, and non-slip floor.
- Inspect the integrity of the palletizer:
 - Rails, conveyors or platforms should be free of deformation or abnormal wear.
 - No foreign objects or debris that could block the mechanism.
- Check the proper functioning of the emergency stop.
- Ensure safety sensors (if equipped) are clean and operational.
- Make sure the pallets used are in good condition (no broken slats, protruding nails, etc.).

Instructions During Use:

- Only use the machine if you are trained and authorized.
- Keep the work area clear of obstacles and unauthorized persons.
- Do not enter the operating area of the palletizer during the cycle.
- Avoid manual handling of trees or pallets while the machine is in motion.

- Maintain a safe distance from moving parts (pushers, conveyors, platforms, etc.).
- Monitor the cycle to detect any blockages or malfunctions.

Instructions in Case of Incident or Emergency:

- In case of a tree blockage or malfunction, stop the machine immediately using the emergency stop.
- Disconnect the power supply before attempting to clear or repair.
- Never intervene alone in case of mechanical or electrical failure: notify a supervisor or authorized personnel.
- In case of injury, immediately alert emergency services and administer first aid.

After Use:

- Clean the work area and the machine (wood residues, dust, needles).
 - Visually check the overall condition of the machine and the used pallets.
 - Put away handling tools or accessories.
 - Disconnect the power supply to prevent unintentional startup.
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2. Operating Instructions

Preparation:

1. Ensure the pallet is correctly positioned in the palletizing area.
2. Prepare the trees to be palletized nearby, without cluttering the work area.
3. Check that the machine controls (control panel or console) are operational and in good condition.

Palletizing Procedure:

1. Start the machine using the appropriate control (start button, key switch, etc.).
2. Insert or place the trees one by one into the machine's pickup zone:
 - Ensure they are upright and centered to prevent tipping.
 - Follow the machine sequence which will stack the trees automatically or semi-automatically.
3. Visually monitor the progress of the palletizing process (alignment, stability).
4. Repeat the operation until a full pallet is formed.
5. At the end of the cycle, the pallet is ready for transport or storage.

End of Cycle and Cleaning:

1. Stop the machine using the stop control (stop button or safety key).
 2. Disconnect the power supply if the machine will not be used immediately.
 3. Clean the area and the machine (sweep chips and residues).
 4. Store empty pallets or unused trees to clear the work area.
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3. Basic Maintenance Instructions

- Daily cleaning of the work area and conveyors.
- Weekly inspection of chains, pulleys, or conveyors (lubrication if recommended by the manufacturer).
- Check rail alignment and sensor functionality.
- Annual full inspection of the machine by qualified personnel or an approved service provider.