

Moving the 1 kN and 2 kN Frames

Pallet jacks rated at or above the weight of the machine should be used; refer to the tables in the [Specifications](#) section for frame weights.

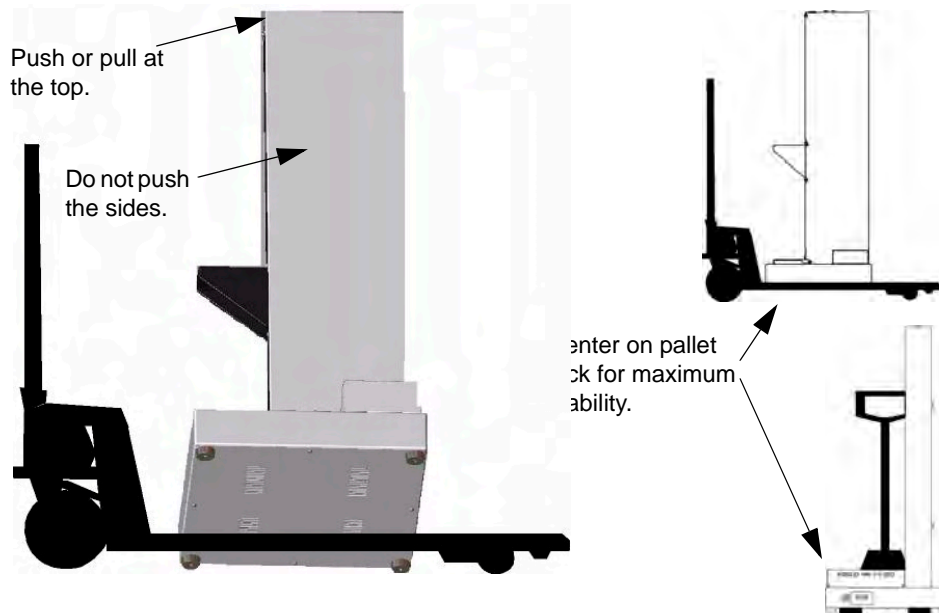
CAUTION

When tipping the frame, push or pull only at the top. Do not push the frame at the sides.

Pushing on the side of the frame can damage the sheet metal.

It is recommended that the frame be moved by at least two people: one to tip the frame and one to position the pallet jack. Once the frame is on the pallet jack, one person should operate and move the pallet jack while the other one steadies the frame. It is also recommended to put something on the forks to minimize the chance of damage to the frame; for example, a piece of cardboard or carpet scrap.

Tip the frame by blocking the bottom with your foot to keep it from sliding, then pull the top of the frame towards you to tip it. Do not push on the sheet metal sides. Tip the frame only as far as necessary to gain clearance to position the pallet jack underneath; do not tip more than 10° in any direction.



Once the frame is tipped, push the pallet jack under the frame then return the frame to the upright position resting on top of the pallet jack. Position the frame on the pallet jack such that it is centered and stable.

With one person holding onto the frame and one person operating the pallet jack, move the frame to its final position. Tip the frame as you did when you put it on the pallet jack and pull the pallet jack out from under the frame. Carefully lower the frame back to its normal upright position.



The MTS Insight frames are heavy.

Moving the frame using improper procedures can injure personnel (for example strained muscles and back injuries) or damage the frame.

When lifting the frame, take the appropriate precautions to prevent injuries to yourself. Moving and positioning the MTS Insight frame must be performed by qualified personnel only.

In some cases, the final frame position will be on top of a table. Make sure you have enough help or appropriate lifting devices.

Ensure any table upon which the frame is placed is sturdy, level, and capable of supporting the weight of the machine.

Moving the 5 kN and Higher Frames

MTS Insight load frames of 5 kN and higher should only be moved using a forklift rated at or above the weight of the machine; refer to the tables in the [Specifications](#) section for frame weights.

⚠ CAUTION

Improper lifting can damage the frame.

When lifting and moving the frame, follow these guidelines to minimize the chance of equipment damage:

- Do not lift by the top plate that joins the ends of the ball screws and side covers.
 - Do not lift the machine by the side covers. The weight of the machine will damage the side covers.
 - Do not lift by the ball screws.
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On the forklift, adjust the distance between the forks such that they will fit between the columns of the frame. Position the forks on the forklift as shown in the following illustration. Allow enough room between the frame and the forklift to allow a slight tilt once the frame is off the ground. (Weight distribution front to back is not perfectly balanced and the frame will tilt slightly as it is lifted.) It is also recommended to put something on the forks to minimize the chance of damage to the frame; for example, a piece of cardboard or carpet scrap.

Lift the frame only as high as necessary to allow sufficient ground clearance on the way to its final position. Move the frame to its final position and slowly lower onto the ground.

