

Telehandler / Zoom Boom

Used Telehandler Maryland - Telehandlers have numerous names including a teleporter, Cherry picker, telescopic handler or boom lift. This industrial machine is commonly used in a variety of industries and in agriculture. This machine functions similarly to a crane and a forklift with the ability to extend upward and forward. Numerous attachments can be placed at the end of the articulating boom to conduct a variety of different jobs. Different attachments such as a bucket, pallet forks, a muck grab or a winch can help the machine complete many jobs. The most common telehandler attachment is the pallet forks. Pallet forks enable the operator to move loads to and from a variety of locations that would otherwise be considered unreachable with a standard forklift. These machines enable cargo pallets to be unloaded and loaded from a trailer and placed on rooftops, racking or other high and hard to access locations. Often, high rooftop locations would need a crane although, telehandlers can accomplish these tasks much more efficiently. Of course, it isn't always affordable or practical to use secondary equipment or a crane to complete certain tasks. A bucket grab or a bucket is the most common attachments for telehandlers within the agricultural sector. Transporting items from unreachable places that cannot use a backhoe loader or a wheeled loader is one of the main advantages of using a telehandler. Telehandlers can directly access trailer units with high sides, hoppers or applications that would typically need a conveyor or loading ramp. Using one machine to finish numerous jobs saves storage space, money and time. Telehandler units often work together with a crane jib. Numerous attachments can be utilized including power booms, grain buckets, dirt buckets and rotators. Agricultural models can be outfitted with power take-off and 3-point linkage, making the telehandler and exceptionally useful. However, the main advantage of the telehandler is additionally its' largest limitation. The boom raises or extends with heavy loads, acting as a lever. Despite significant counterweights in the rear, the telehandler can be subject to instability at times, decreasing the lifting capacity as the working radius or distance between the center of the load and the front of the wheels increases. If the machine works as a single boom loader instead of using twin arms while carrying a large load, there is a chance that weakness can occur even in the most carefully designed units. A 5000 lb. capacity telehandler could lift 400 lbs. safely while fully extended with a retracted boom in conjunction with a low boom angle. Raising the same piece of equipment 70 degrees could allow this machine with a five thousand pound lift capability and retracted boom to support up to ten thousand pounds. These machines are equipped with a load chart to help outline which tasks are safely possible. These charts take the boom height, angle and weight into account. There are sensors and computers available on newer models. The operator is warned and even cut off further control input once the limits of the telehandler are surpassed. There are front stabilizers that can drastically enhance the machine's lifting capacity while it is stationary. Another option is a stabilizing rotary joint between lower and upper frames, often referred to as a mobile crane that can additionally utilize a bucket. There are compact telehandler models that differ in boom design, size, reach and weight. Telehandlers that weigh 11,000 pounds or less fall into the compact category. A two-stage boom is a popular option for compact models whereas the three or four boom design is common for bigger machines. The compact model showcases a low pivot boom to allow better cab visibility for the operator while transporting loads. Compact models are skinnier and have thinner dimensions. The compact units offer a reach capacity between thirteen to twenty feet and a lifting capacity ranging from five thousand to seven thousand pounds. These versatile machines make the compact telehandler extremely popular. This machine can be utilized for carrying tools or as a pick and place unit. It is commonly utilized in spaces that are tight and cramped. It is common for contractors to use this machine during framing and for residential jobs where there are height restrictions. These units can be useful for accessing internal building locations. Compact telehandlers are commonly used in nurseries, landscaping, multi-story construction, building strip malls and garages, masonry, erecting steel and more. Telehandlers are employed by agri-business and farming

applications to complete many jobs. Telehandlers come with crab steering or two or four-wheel drive options. The unit can travel over longer ranges at higher speeds with two-wheel drive, making it ideal for moving throughout job sites. The four-wheel drive models offer the ability to traverse more difficult terrain and provide a tighter turning radius. Crab steering is responsible for the increased maneuverability, allowing the front and rear wheels to shift forty-five degrees to the right or left. Compact telehandlers have varying cab environments. On the lower-end models, a rollover protective cage structure is in place for safety. Newer units come with windshield wipers, a defroster, a heater and a totally enclosed cab. All compact telehandler cabs are spacious to accommodate the operator as comfortable as possible. Extra amenities including air conditioning, satellite radio, suspension seats, tilt steering and cup holders are available. Many high-pressure hydraulics and high-flow auxiliary hydraulics operate the numerous attachments. The different attachments allow the machine to be capable of many options. All of these attachments enable the machine to conduct a variety of jobs. Compact machines conduct ground-engaging jobs. Adding a bucket attachment can make a compact telehandler transform into a mini excavator. Light-duty to heavy-duty buckets can be attached for transferring material, side-shifting and rotating fork carriages are relied on for pick and place situations, augers for drilling post holes or planting trees or pier supports, truss booms for extending reach, crane hooks, brooms for sweeping and more. Skid steer attachments are being made for versatility and other compact telehandler designs.