

Telehandler / Zoom Boom

Used Telehandler Garden Grove - 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. Many different attachments can be used at the end of the articulating boom to facilitate a wide number of jobs. Popular attachments include a muck grab, bucket, winch or pallet forks. The main telehandler attachment is the pallet forks. These attachments help the operator transport different sized loads to many locations that would be considered unreachable with a traditional forklift. Telehandlers allow cargo pallets to be transported from trailers and placed on racking, rooftops or other difficult to reach 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 or bucket grab is the most popular telehandler attachment in the agricultural industry. Moving items from unreachable locations that cannot be completed with a backhoe loader or wheeled loader give telehandlers a huge advantage. For instance, these industrial machines can directly access a hopper or trailer with high sides; applications that would otherwise rely on a conveyor, loading ramp or similar equipment. Having one item to complete a variety of jobs saves time, money and storage space. Telehandler machines can work in conjunction with a crane jib. Various attachments may be used including rotators, dirt buckets, grain buckets and power booms. Three-point linkage and power take-off can be used with agricultural models to make this machine particularly capable. Interestingly enough, the machines' main advantage is also its' biggest limitation. When raising or extending with heavy loads, the boom functions similar to 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. For instance, a telehandler with a five thousand pound capacity may be capable of safely lifting as little as four hundred pounds fully extended with a low boom angle with a retracted boom. This unit with a 5000 lb. lift capability and retracted boom could support as much as ten thousand pounds after the boom is raised seventy degrees. There is a load chart on these machines to determine which tasks can be safely executed by taking the weight, angle and boom height into account. There are sensors and computers available on newer models. The operator cannot continue once the machine's limits have been reached. They are warned and cut off from accessing the control input. Front stabilizers that enhance the lifting capacity of the machine while stationary can make a huge difference. A mobile crane can also use a bucket is another option consisting of a stabilized rotary joint found between upper and lower frames. There are many models of telehandlers differing in size, weight, boom designs and reach. Telehandlers that weigh 11,000 pounds or less fall into the compact category. Compact units have a two-stage boom compared to larger machines that feature three or four boom designs. 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 reach capacity for compact units is between thirteen to twenty feet and these units offer a lift capacity from five to seven thousand pounds. The versatility of the compact telehandler makes it popular in a variety of applications. It may be used as a tool carrier or a pick and place machine. It is commonly utilized in spaces that are tight and cramped. Residential applications are common as contractors relish their useful nature with framing applications and where height restrictions come into play. These machines can facilitate internal building access. Compact units are popular in multi-story construction, nurseries, strip malls, landscaping, masonry, garage facilities and erecting steel among other applications. Agri-business and farming applications rely on telehandlers for a variety of jobs. Telehandlers are made with

two or four-wheel drive as well as crab steering. The unit can travel over longer ranges at higher speeds with two-wheel drive, making it ideal for moving throughout job sites. The 4-WD units are capable of having a tighter turning radius and can travel difficult terrain. Crab steering enhances the units' maneuverability while allowing each set of wheels to move forty-five degrees to the right or left. Compact telehandlers have varying cab environments. There is a rollover protective cage to enhance safety on less expensive models. Higher-end models are equipped with a fully enclosed cab, a heater, windshield wiper and defroster. All compact telehandler cabs are spacious to accommodate the operator as comfortable as possible. Additional features such as cup holders, air conditioning, tilt steering, suspension seats and satellite radio are all options. Different high-flow auxiliary hydraulics and high-pressure hydraulics run the variety of 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. Ground engaging work is often completed by compact units. It is simple to transform a compact telehandler into a mini excavator with a bucket attachment. Light and heavy-duty buckets can be used to move items, augers can plant trees or drill holes, rotating and side-shifting fork carriages facilitate pick-and-place, truss booms are in place for extending reach, sweeping brooms and crane hooks are other popular attachments. Skid steer attachments are being made for versatility and other compact telehandler designs.