

## Telehandler / Zoom Boom

Used Telehandler Scottsdale - Telehandlers have numerous names including a teleporter, Cherry picker, telescopic handler or boom lift. These machines are utilized in agriculture and many different industries. Similar to a crane and a forklift as it has a boom allowing it to extend forwards and upwards. The operator can utilize a variety of attachments at the end of the articulating boom to complete different jobs. Different attachments such as a bucket, pallet forks, a muck grab or a winch can help the machine complete many jobs. The pallet forks are the most popular telehandler attachment. They allow the operator to transport loads to and from locations that are considered unreachable with a regular 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. Within agriculture, the bucket or bucket grab is among the most popular attachments. Relocating items from hard to reach areas that cannot rely on a wheeled loader or a backhoe loader give telehandlers a significant advantage. Telehandlers are beneficial for applications that would usually require a loading ramp or conveyor since they are capable of directly accessing trailers with high sides and hoppers. Relying on one piece of equipment to complete a variety of jobs saves time, money and storage. 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. Conversely, the main advantage of this machine doubles as its' largest limitation. When raising or extending with heavy loads, the boom functions similar to a lever. Even with rear counterweights, this machine may become unstable from time to time; decreasing the lift capacity when the distance between the center of the load and the front of the wheels or the working radius increases. When a telehandler functions as a single boom loader (as opposed to twin arms) and carrying a heavy load, there can be a potential for weakness even in the best designs. A machine with a 5K lb. capacity could safely lift 400 lbs. while fully extended using a retracted low boom angle. The same piece of equipment with a five thousand pound lift capacity and retracted boom may be capable as supporting up to ten thousand pounds once the boom is raised to 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. The lifting capacity is enhanced by front stabilizers that maximize the lifting capacity from a stationary position. A stabilizing rotary joint between the upper and lower frames may be called a mobile crane that can use a bucket. 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. A two-stage boom is a popular option for compact models whereas the three or four boom design is common for bigger machines. Compact models rely on a low pivot boom to facilitate better cab visibility as the operator transports loads. Obviously, the compact telehandler has narrower and tinier dimensions. Compact telehandlers have a reach capacity ranging between 13 to 20 feet with a lift capacity ranging from 5k to 7k pounds. The versatility of the compact telehandler makes it popular in a variety of applications. This machine can be utilized for carrying tools or as a pick and place unit. This machine is often used in locations that are cramped and tight. It is common for contractors to use this machine during framing and for residential jobs where there are height restrictions. These machines can facilitate internal building access. Compact telehandlers are commonly used in nurseries, landscaping, multi-story construction, building strip malls and garages, masonry, erecting steel and more. Agri-business and farming applications rely on telehandlers for a variety of jobs. Telehandlers can be found with two and four-wheel drive and crab steering capabilities. 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 enhances the units' maneuverability while allowing each set of wheels to move forty-five degrees to the right or left. Compact telehandlers have numerous cab environments to choose from. On entry-level models, there is a rollover cage for added safety. Higher models come with a heater, a completely enclosed cab, defroster and windshield wiper. 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 units are more commonly utilized for ground engaging jobs. It is simple to transform a compact telehandler into a mini excavator with a bucket attachment. 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 options are made for compact telehandler designs and ultimate versatility.