

Telehandler / Zoom Boom

Used Telehandler Pasadena - Telehandlers are commonly known by a variety of names such as Cherry pickers, telescopic handlers, boom lifts and teleporters. 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. It can be expensive and impractical to rely on a crane or expansive industrial equipment to finish particular 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. Relying on one piece of equipment to complete a variety of jobs saves time, money and storage. Telehandlers commonly work alongside a crane jib. Numerous attachments can be utilized including power booms, grain buckets, dirt buckets and rotators. Three-point linkage and power take-off can be used with agricultural models to make this machine particularly capable. Conversely, the main advantage of this machine doubles as its' largest limitation. The boom acts as a lever when it extends or raises with heavy loads. 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. 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. 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. Monitoring the angle, weight and boom height, there are load charts on this equipment to outline which tasks can be safely conducted. Newer telehandler models rely on computers and sensors to monitor the machine. When the telehandler limits have been surpassed, the operator is cut off and warned from supplying further control input. 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. Compact telehandler models are available in a variety of different weights, reach, sizes and boom designs. Telehandlers fall into the compact category if the unit weighs in at 11,000 lbs. or less. 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. Compact models are skinnier and have thinner dimensions. Compact telehandlers have a reach capacity ranging between 13 to 20 feet with a lift capacity ranging from 5k to 7k pounds. These versatile machines make the compact telehandler extremely popular. It may be used as a tool carrier or a pick and place machine. This machine is often used in locations that are cramped and tight. Residential services are often employed during framing and for jobs with height restrictions. These machines can facilitate internal building access. Compact telehandlers are used in many applications including nurseries, erecting steel, multi-story construction, masonry, strip malls, garages and similar jobs. Farming and agri-business applications often rely on telehandlers to accomplish many tasks.

Telehandlers come with crab steering or two or four-wheel drive options. This machine can traverse longer distances with two-wheel drive at higher speeds to facilitate easy travel between worksites. The four-wheel drive models offer the ability to traverse more difficult terrain and provide a tighter turning radius. Crab steering increases overall maneuvering and enables the front and back wheels to move 45 degrees to the left or the right. Compact telehandlers have varying cab environments. 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. Compact units feature spacious cab accommodations to keep operators totally comfortable. Additional options including satellite radio, air conditioning, armrests, cup holders, suspension seats and tilt steering 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. It is easy to enjoy the benefits of a mini excavator by adding a simple bucket attachment to the telehandler. 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 manufactured for certain compact telehandler designs for even more versatility.