**Telehandler / Zoom Boom**

Used Telehandler Palmdale - Telehandlers go by many different names including a boom lift, telescopic handler, Cherry picker or teleporter. These machines are utilized in agriculture and many different industries. This machine functions similarly to a crane and a forklift with the ability to extend upward and forward. The operator can utilize a variety of attachments at the end of the articulating boom to complete different jobs. Common attachments include pallet forks, a winch, a bucket or a muck grab. The pallet forks are the most popular telehandler attachment. 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. It isn't always practical or affordable to rely on a crane or secondary machinery to complete the job. A bucket or bucket grab is the most popular telehandler attachment in the agricultural industry. Relocating items from hard to reach areas that cannot rely on a wheeled loader or a backhoe loader give telehandlers a significant 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 units often work together with a crane jib. Various attachments may be used including rotators, dirt buckets, grain buckets and power booms. 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. 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. 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. 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. 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 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. Obviously, the compact telehandler has narrower and tinier 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. These versatile machines make the compact telehandler extremely popular. Telehandlers can function as a pick and place unit or a tool carrier. Compact units are ideal for cramped locations. Residential services are often employed during framing and for jobs with height restrictions. Telehandlers can enter internal building access in hard-to-reach locations. 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 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 4-WD units are capable of having a tighter turning radius and can travel difficult terrain. Crab steering increases overall maneuvering and enables the front and back wheels to move 45 degrees to the left or the right. There are a variety of cab interior options available for compact telehandlers. On the lower-end models, a rollover protective cage structure is in place for 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. 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. Compact units are more commonly utilized for 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 options are made for compact telehandler designs and ultimate versatility.