

CEUS Transport Cart Specification Sheet

(Quantity required: 1)

Overview: Due to the need to move tooling and uncured components a transportation cart is required.

Cart to meet same specifications as Vestil # PST-4890-5-60 with PST-PTDS (power drive system) and BCI (battery charge indicator) OR EQUIVALENT in accordance with the following specifications:

Standard Safety Features:

- Meets OSHA requirements
- Electric pinch point guards
- Adjustable upward/downward travel limit switch
- Lock in place safety maintenance support
- Emergency stop if hose breaks
- Protective battery cover

Standard Specifications:

- Heavy duty DC powered unit with deep cycle battery and an on-board battery charger with a battery charge indicator.
- Cart shall be self-propelled allowing for transport between buildings. Speed is adjustable up to at least 2 MPH.
- Cart shall be able to drive up at least a 2 degree inclined slope.
- Cast iron or better pump with integral valving including pressure relief valve, check valve, down solenoid valve, and pressure compensation flow control valve.
- NEMA-4 pendant hand control with at least an 8' coil cord
- Foot actuated floor lock
- Displacement style hydraulic actuator - rod end installed down
- Hydraulic actuators have internal brass velocity fuse w/ stainless steel spring
- Cart shall have nylon glass filled wheels or better (minimum 5" diameter). Wheels needs to be able to be easily replaced if needed.
- Cart shall be able to adjust in height between 24" above ground level (AGL) and 60" AGL. This will allow for a lower CG and more stability during transport.
- Time to raise from 24" to 60" should be 60 seconds or less. Time to lower from 60" to 24" should be 60 seconds or less.
- The main height adjustment shall use either a hydraulic or electric method, not manual.
- Working area of the cart should be at least 48" wide x 88" long.
- Cart shall have at least a 5000 lbs. lift capacity.
- Air bleed screw on hydraulic actuators needs to be accessible (no components need to be removed from the cart in order to access)
- Replaceable deck, main axle pins and bearings
- Rollers - Cold finished steel with case carburizing to .010 inch with Rockwell "C" 40
- Pins - Cold rolled and finished to bearing manufacturer's specifications
- Bearings - Self-lubricating with compressive strength minimum 40,000 psi. Sealed bearing acceptable.
- Swaged on high pressure hose fittings, Pump intake/return hose is 1/2"
- Welding to meet A.W.S.
- Delivery: 30-60 days after receipt of order.