

CEUS Transport Cart Specification Sheet

(Quantity required: 1)

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

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 12V 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.
- 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 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 urethane wheels or better (minimum 5" diameter) to allow for operation on asphalt surfaces, front 2 rigid and rear 2 swivel. Wheels need to be able to be easily replaced if needed.
- Cart must 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.
- The main height adjustment will use either a hydraulic or electric method, not manual.
- Working area of the cart shall be at least 48" wide x 88" long and have a method to be able to attach fixtures/tooling securely to the surface. This could be in the form of bolt through holes.
- Cart shall have at least a 5000 lbs. lift capacity.
- Conveniently located air bleed screw on hydraulic actuators.
- 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
- Swaged on high pressure hose fittings, Pump intake/return hose is 1/2"
- Welding to meet A.W.S.