



RD-T Series Mobile Mast

Summary ~ ITS RD-T Series ~ Multi-terrain Mobile Mast System

- A multi-terrain drawbar trailer with a 12,000lb (5,442kg) capacity GVWR ~ to 4,500lbs (2,041kg) of available deck top payload capacity; tandem 6,000lb (2,721kg) capacity each, heavy-duty Dexter Torflex axles, hydraulic/surge “free-backing” brakes with manual park brake, telescopic outrigger stabilizing system, 12V/24V arctic/desert wiring and LED lighting package, adjustable height 2-5/16” ball coupler or NATO 3” (7.6cm) pintle; “D-ring” style integrated tie-down and lifting provisions, leveling devices, storage containment, tan painted or impact and weather resistant black polyuria trailer coating
- Standard mast elevations range from $\pm 32'0''$ (9.7m) to $78'0''$ (23.8m) AGL heavy-duty locking telescopic pneumatic masts, self-supporting and guy capable, rugged construction, high-strength heat treated aluminum tubes & collars, low-friction synthetic bearings, shock absorbing bumpers; includes mast base plate and external brackets; mast payload capacity to 200lbs (91kg) at $78'0''$ (23.8m) and 450lbs (204kg) at $62'0''$ (18.8m) AGL
- Heavy-duty, 120/220VAC/50-60Hz limit switch controlled electric winch or tandem hydraulic cylinder tilt assembly, integrated safety features; trailer-level NEMA 4 locking enclosure houses mast operating controls – tilt and telescoping functions; onboard compressor system with convenient external power switch

The **RD-T Series** model designates a 12,000lb (5,442kg) capacity Gross Vehicle Weight Rating (GVWR), heavy-duty multi-terrain trailer and mast system designed to transport its integrated payload and support customer or ITS-installed equipment in a gross platform area comprising $\pm 13'0'' \times 7'1''$ (4m x 2.2m); net usable of ± 92 sq. ft. (8.6 sq. mtr). As designed, the trailer’s skeletal frame is engineered with a minimum factor of safety of 2:1, with 4:1 in critical load areas. A multi-section heavy-duty pneumatic locking mast is designed to transport horizontally over the trailer’s forward platform, automatically tilt by means of an HD electric cable winch or tandem hydraulic cylinder assembly and extend to its full height utilizing an onboard compressor. The **RD-T Series** is capable of being deployed, elevated to full-height and secured by individual mast-section locks by one person in under 20 minutes.

ITS RD-T Series ~ Drawbar Trailer Specifications

- GVWR 12,000lb (5,442kg) Capacity; GAWR 6,000lb (2,721kg) Capacity
- Tandem 6,000lb (2,721kg) Each Dexter Torflex Axles, EZ Lube Grease
- Transport Length $\pm 16'0''$ (4.9m); Transport Height $\pm 7'8''$ (2.38m)
- Trailer Length $\pm 16'0''$ (4.9m), (3'3"/1m Drawbar); Width 2.2m; Deck ± 0.9 m
- Platform Area ~ Approx. 13'L x 7'1"W (4m x 2.1m); 57"/1.45m b/ Fenders
- Deployed Footprint ~ $\pm 16'3''$ L (4m) x 14' (4.3m) W; 43"L (1m) Outriggers
- 1/8" (.33cm) Steel Diamond Plate Deck and Fenders; Welded Construction
- Weight w/out Customer or ITS-Installed Accessories to $\pm 5,900$ lbs (2,676kg)
- Customer Equipment Payload Capacity to 4,500 lbs (2,496kg)
- Four (4) Telescoping Outriggers; Min. 8,000 lb (3,628kg) Static Load Jacks
- Hydraulic Brakes; 315/75R16 LR E 10-ply All-Terrain Tires
- Full-size Spare Tire with 16 x 8 hole Steel Wheel
- Min. 3,628kg. Static Load, Drop-leg, Adjustable Parking Jack
- Emergency Break-away Cable; LED Lighting Package
- Arctic/Desert Wiring; D-ring Lift and Tie-Down Provisions
- 3" (7.6cm) Lunette or 2-5/16" (.79cm) Chains Ball Coupler
- 7-Blade Truck Connector, Operating/Maintenance Manual
- Locking Steel Storage Box & Compressor Enclosure
- DOT Safety Decals; Reflectors; Multiple Trailer Levels
- Tan Painted or Black w/ Weather Resistant Polyuria Coating

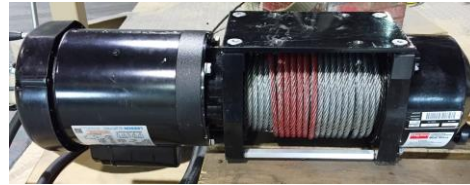
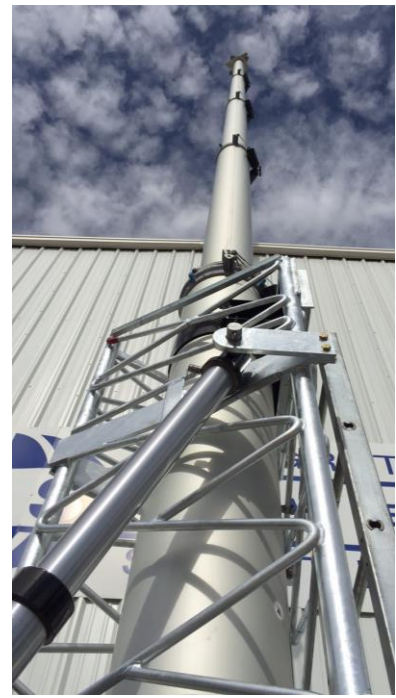
Pneumatic Mast Selection ~ Will-Burt Models from 30'0" (9.1m) to 76'0" (23m)

The primary benefits and features of the Will-Burt pneumatic mast includes:

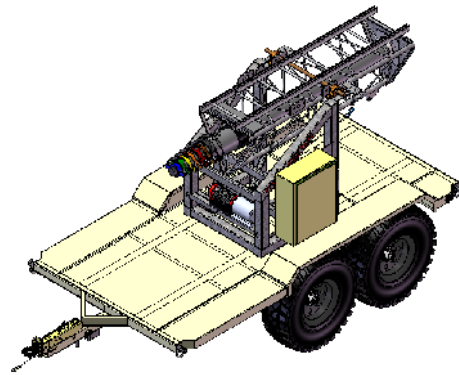
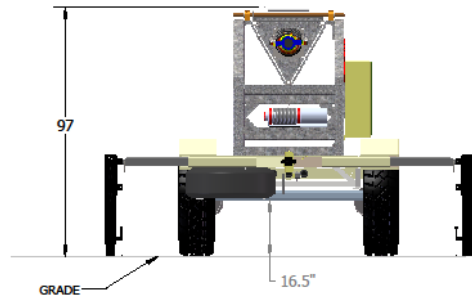
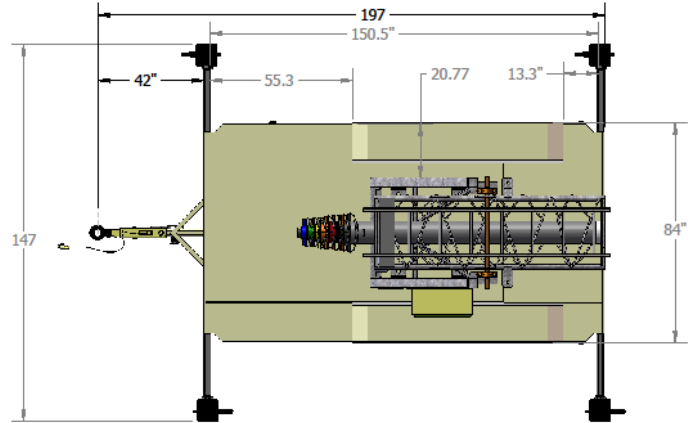
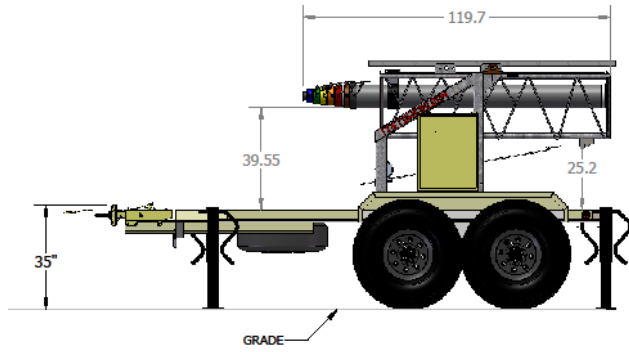
- » Locking collars allow the mast to remain extended indefinitely without air pressure
- » Rugged construction of high strength heat-treated aluminum tubes and collars with low friction synthetic bearings
- » Two full-length external keys on sections; collars have matching keyways that maintain directional azimuth
- » The bumpers are designed to reduce shock on extension and retraction
- » All exterior aluminum surfaces are anodized & sealed for long life; fasteners are plated steel for corrosion resistance
- » Payload capacity of the most appropriate models to 200lbs (91kg)
- » ITS secures the pneumatic mast within a heavy-duty lattice steel exoskeleton (“truss”) that protects the mast during the tilt function and offers added strength and stability to the extended mast structure
- » The truss-enclosed mast is secured to a square tube steel support structure that provides maximum protection and minimal deflection/vibration during primary and multi-terrain transport as well as during mast operation

REPRESENTATIVE RD-T SERIES MOBILE MAST

(Shown with Optional Features/Accessories)



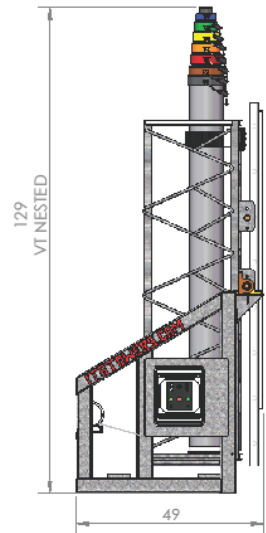
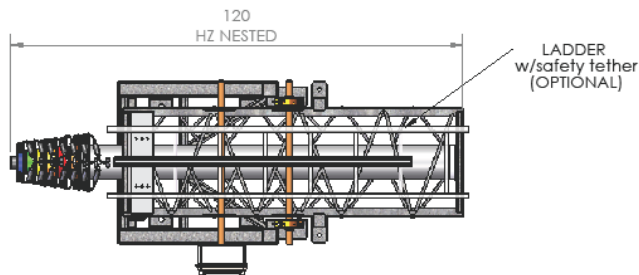
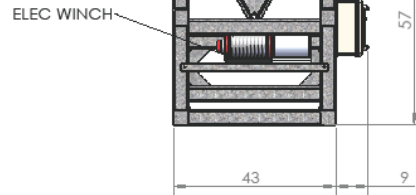
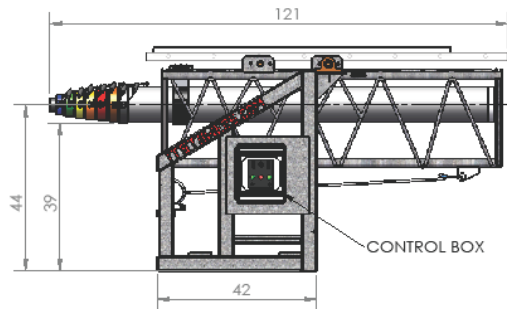
REPRESENTATIVE RD-T SERIES MOBILE MAST
 (Electric Winch Tilt Assembly / 60' (18m) Mast)



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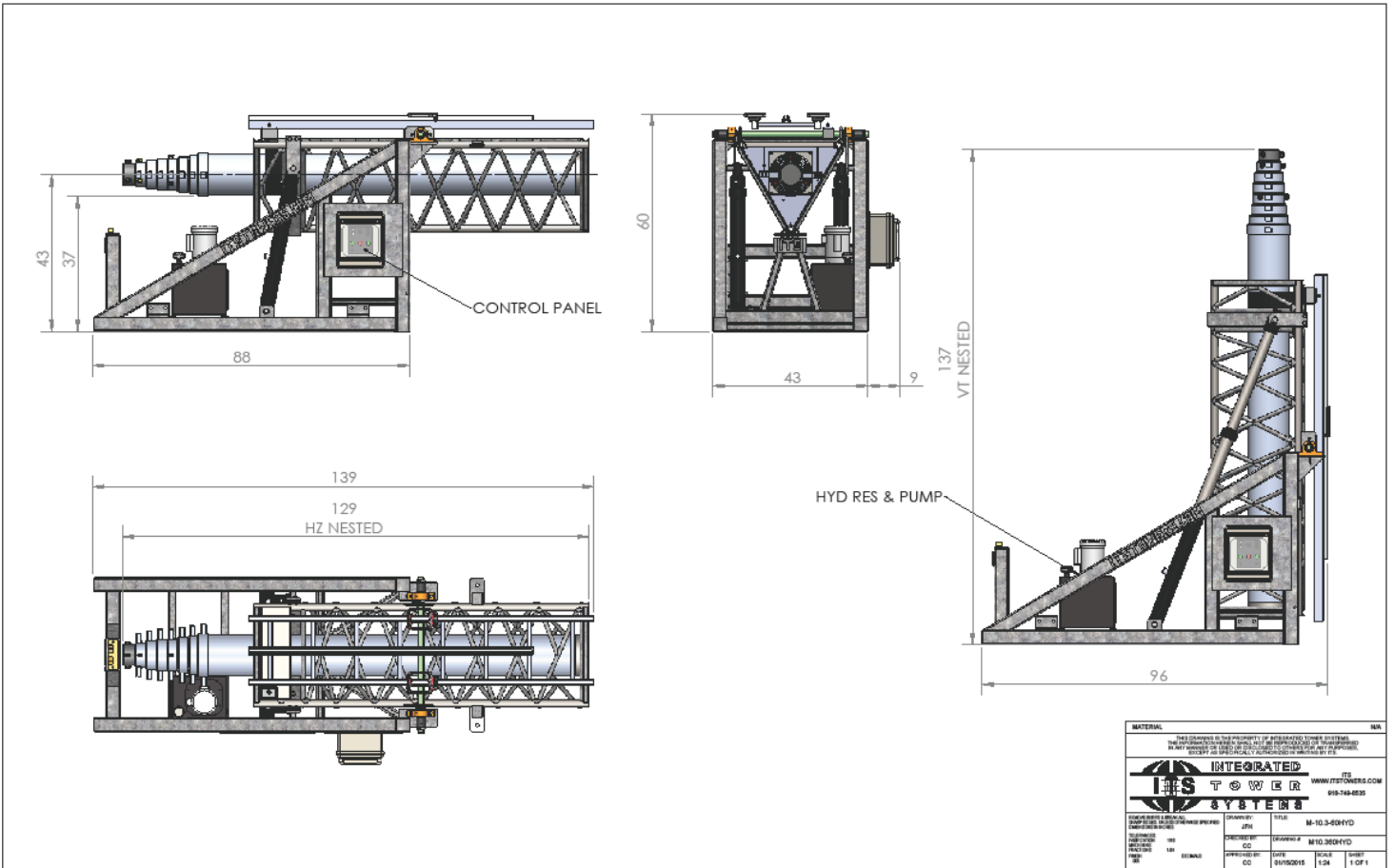


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REPRESENTATIVE RD-T SERIES MOBILE MAST (Hydraulic Tilt Assembly / 60° (18m) SHDL Mast)



PRESENTATIVE WILL-BURT COMPANY PNEUMATIC MAST

