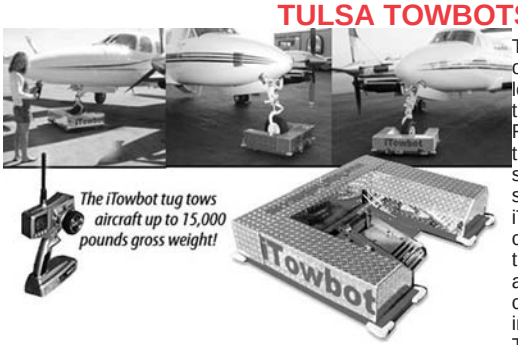
TULSA TOWBOTS AIRCRAFT TUG

TULSA TOWBOTS REMOTE CONTROL AIRCRAFT TUG



The iTowBot's loading sequence is as easy as driving the unit directly under the nosewheel of your aircraft. The iTowbot is engineered so that when the aircraft loads, the weight of the loaded aircraft does not inhibit its zero-turn capability. This allows the operator to articulate the aircraft in a manner that places it ahead of all other towing equipment.

Releasing the aircraft is just as easy. A foot-operated release allows the operator to unlock the swivel carriage and merely back out from beneath the nosewheel. Now the operator can simply drive the unit back to its spot in the hangar....no tugging, pushing or rolling up extension cords required!

iTowBot can tow in any directionTulsa TowBots offers a precision, ruggedly built towing machine that will allow the user to position aircraft in close quarters with ease. The iTowBot has the ability to rotate the aircraft inside of its own wingspan. With its hybrid zero-turn capability and fully-articulating self-locking carriage, turn limits of the aircraft nose wheel cannot be exceeded. The powerful 24VDC motors are regulated for smooth starts and stops while delivering the power you need to put your aircraft asset out on the ramp or back in the hangar.

The iTowBot was specifically designed to provide adequate distance for the operator to tow an aircraft while stepping back to visually clear the areas around the aircraft. The operator should exercise caution in selecting the vantage point from which to operate the iTowBot.

Damage caused by conventional tugsThis is a picture of the nosewheel strut damage caused by exceeding the turn limits with a conventional tug. This cannot happen with the iTowBot, since the front wheel remains stationery while the iTowBot is free to turn through 360°. With its hybrid zero-turn capability and fully-articulating self-locking carriage, turn limits of the aircraft nose wheel cannot be exceeded.

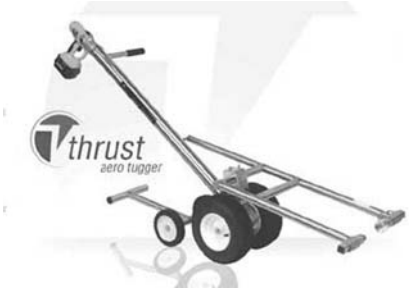
The DX2.0 transmitter is designed to provide bulletproof 2.4 GHz spread spectrum radio link. With the DX2.0 DSM system there are no worries of frequency clip or radio interference from noisy motors or no reason to be concerned that someone may turn on a radio on your channel. The unit is user-friendly and offers many features and functions that the operator may desire. The receiver is bound to the transmitter at our facility prior to shipment so that the receiver will only recognize its specific transmitter that comes with your iTowBot. During the binding process, the motor fail safe positions are also set to further provide another level of safety.

Specifications

* Measures 38" Wide x 46" Long x 12" High
* Rugged Steel Construction
* Virtually Zero Maintenance
* Max Towing Speed 1.7 Feet Per Second
* Tows Aircraft up to 15,000+ Pounds Gross Weight
* Solid State Heavy Duty Fully Articulating Motor Control
* Hybrid Zero Turn Capability about Stationary Nosewheel
* Also available with built-in 24V Auxiliary Power Plug (APU) & Power Cord
* Powerful Reversible 24 Volt DC Motors
* Powder-Coated Frame
* Easy Ergonomic Remote Control Handset
* Overvoltage Thermally Protected
* Trouble Free Cast Iron Rims with Non-Marking Moldon Wheels
* Equipped with Solid State Battery Charger/Maintainer

Descriptions	Part No.	Price
Standard Model (NO APU) Up to 15,000 LB	13-05252	.
Standard Model (WITH APU) Up to 15,000 LB	13-05253	.
Gear Reduction Options (NO APU) up to 30,000 Lbs.	13-05734	.
Gear Reduction Options (WITH APU) Up to 30,000 Lbs	13-05735	.

LITTLE STAR VTHRUST



Vthrust aircraft mover from Littlestar Products makes quick and easy work of moving your single-engine airplane, using an off-the-shelf 18V or 24V drill/screwdriver* as its power source. The drill's sealed mechanism means that there are no belts or chains to snag, and no adjustments to make. Most applicable drill/drivers have two or even three speed ranges for precise control of the Vthrust, and supply sufficient torque to move a 3000 lb. airplane up a 3% grade. The drill/driver chucks onto the vThrust, and attaches with a simple clamp. Just attach the driver and go! The drive system is versatile you've either already purchased the drill for other projects around the hangar and shop, or you've always wanted to! Operation is simple and safe. The internal worm-gear drive mechanism, coupled with the drill/driver's internal brake means the Vthrust stops and starts when you do smoothly and precisely. The variable speed of the drill/driver gives you complete control of the aircraft, from a standstill to moving at 40 feet-per-minute. Two versions are available -- in the deluxe steerable model, a simple twist of the stabilizing handle locks and unlocks the steering mechanism for total control. Robust construction gives the Vthrust the capability to deliver up to 325 lbs of drawbar force. Dual drive wheels deliver good traction and stability on almost all surfaces, and with the optional turf tires or tire chains, you're covered for the rest. Securing Vthrust to the aircraft is a snap, using a single lever to attach or detach the towbar. Several optional adapters are available, allowing the Vthrust to mate to many light aircraft, tricycle gear or conventional, with wheelpants or without.

The steerable model is easily converted to the trailer mover with the optional coupler adapter. The Vthrust is also available in a robust non-steerable model.

Lightweight and compact, the Vthrust aircraft mover's 62-lb. weight makes it easy to use and transport. All-stainless construction gives corrosion-free good looks, and the enclosed worm-gear drive mechanism is maintenance free. The Vthrust is easy to assemble and disassemble, making it a breeze to move and store. *Drill/Driver not included.

	STANDARD	STEERABLE
MAXIMUM AIRCRAFT WEIGHT	3000 LBS	3000 LBS
MAXIMUM GRADE	10%	10%
MAXIMUM SPEED	40 FPM	40 FPM
WEIGHT WITHOUT DRIVER	65 LBS	65 LBS
HEIGHT	36"	36"
LENGTH	73"	73"
WIDTH	17-1/2"	17-1/2"
VTHRUST WARRANTY	1 YEAR PARTS & LABOR (DOES NOT INCLUDE DRIVER)	1 YEAR PARTS & LABOR (DOES NOT INCLUDE DRIVER)

Description	Part No.	Price
M-770-N - Standard Tugger, Non-Steerable	13-06097	.
M-778-S - Deluxe Tugger, Steerable	13-06098	.
Accessories	**Part No.**	**Price**
Hangar Ramps (Set of 3)	13-06091	.
Beechcraft Adapter	13-06092	.
Diamond DA-40 Adapter (Set of 2)	13-06093	.
Piper Adapter (Set of 2, for fixed gear with wheel pants)	13-06094	.
Diamond DA-42 Adapter (Set of 2)	13-06095	.
18V Dewalt 1/2" Drill Driver (2 18V Batteries included)	13-06096	.

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