

**TugMAXE**  
Aircraft Toweasy<sup>®</sup>



## 2-Series

**TOWBARLESS ELECTRIC HAND-GUIDED AIRCRAFT TUG**



**For Aircraft up to max 8,800 lbs. / 4,000 kg MTOW**



- Easy Handling
- One Person Operation
- All Electrical
- No Gasoline
- No Noise
- No Exhaust & Smell
- Quick Coupling & Release of Nose Wheel
- Practically Maintenance Free
- Applicable for a wide Variety of Aircraft
- For Nose Wheel and Tail Dragger
- Solid, Rugged and High Quality

**ADVANCED  
GERMAN  
TECHNOLOGY**

FINAL ASSEMBLY IN THE USA



# Let the Tug do the Work for You

## Conventional Method “Hard Labor,... a lot of Pushing”



## The SMART Method with **TugMAXXE** Aircraft Towsy



**TugMAXXE®** technology can help you to move and to re-position your aircraft with ease. One person can do it alone. No more aircraft pushing or pulling by hand. This highly flexible and versatile towing system is the perfect solution for all light aircraft owners, flying clubs, and hangar operators.

# Powerful and very convenient

- **VERSATILE**
- **RUGGED**
- **HIGH QUALTY**



- **NO TIE-DOWN WINCH & STRAPS REQUIRED**
- **NO TOWBAR REQUIRED**
- **SMOOTH ACCELERATION TECHNOLOGY ELIMINATES THE TWITCHY INSTABILITY FOUND IN GAS POWERED AIRCRAFT TOW CLUTCHING SYSTEMS**

- **NO GAS**
- **NO SMELL**
- **NO NOICE - VERY QUIET**
- **VERY EASY TO CONTROL**



- **ALSO AVAILABLE WITH THE CONVENIENT MULTIFUNCTIONAL THREE-AXIS TILLER CONTROL HANDLE - OPTIONAL**



- **Simple**
- **Easy to Operate**
- **Faster**
- **Much Safer**
- **Very Convenient**



## FEATURES

- Ergonomic Height Adjustment
- Comfortable Lever for easy Coupling and De-Coupling
- Easy and simple Steering
- Forward and Reverse
- Adjustable Speed Control
- Smooth Acceleration
- Universal Adapter for a wide Range of Aircraft
- High Capacity Battery Pack with long Service Life
- Extended Charging Cycle Time
- Maintenance Free
- Environmentally friendly
- No Exhaust
- No Noise - Silent
- Easy to operate
- Weatherproof
- Up to two Years Warranty



**Easy Handle**



**Adjustable Speed**



**Removable Battery Box**



**Quick Access to Electronics**

A solid and powerful Tow Tug built to last.





## SPECIFICATIONS

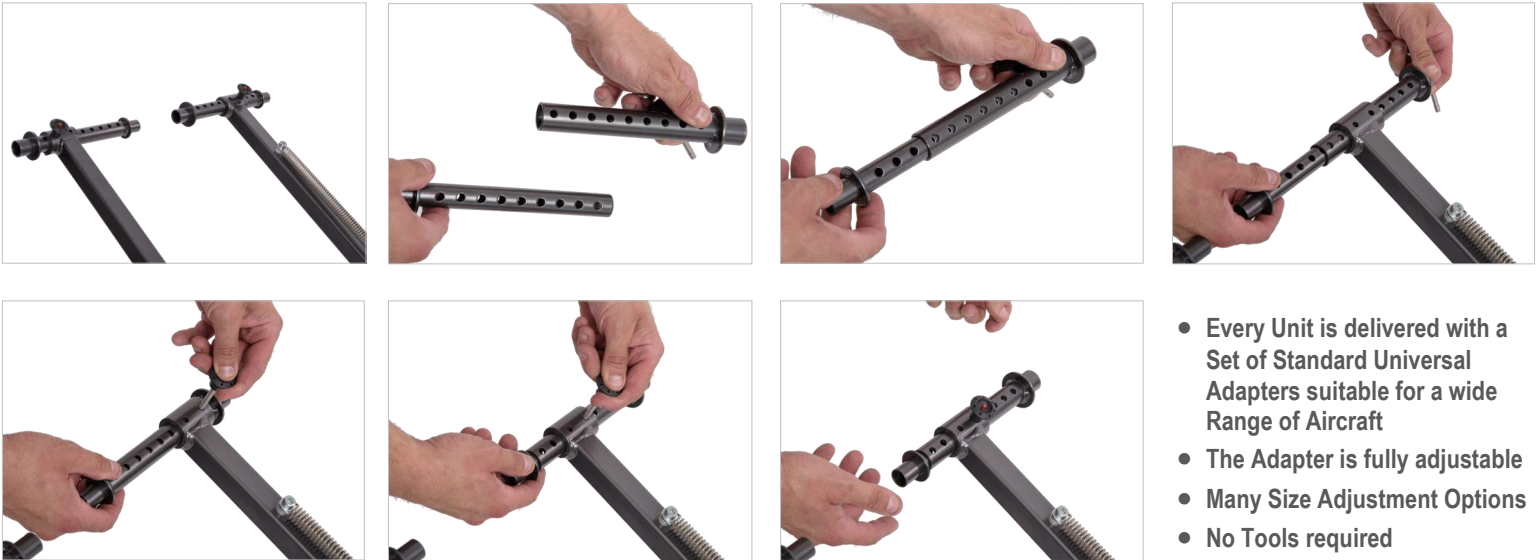
Vehicle Drive System	Powerful electrical high-torque Rotary Drive Gear Motor, 24V, 500W (0.7 HP) DC effective power, IP44
Motor Drive Control System	Motor Speed Control Inverter with integrated diagnostics & adjustable / variable speed control
Transmission	Advanced and robust Multi-Speed Transmission
Steering	Hand-Guided - steering is performed via the handle bar
Brake System	Via Motor Inherent Resistance
Drive Tires	Optimum Tread Depth Multi-Terrain Heavy Duty Wheels for best traction
Support Rest	Heavy Duty Rubber
Battery	Rechargeable 24V 33Ah maintenance-free Deep Cycle Leg-Gel Battery Pack incl. short circuit protection
Battery Charger	Advanced Timer Circuit Battery Charger for uninterrupted service incl. auto shutdown function
Additional Power Supply	12V DC Power Socket / Outlet OPTIONAL
Aircraft Nose Gear Connection	Universal Coupling / De-Coupling U-Fork with Standard Adapter Set with quick size adjustment (tool-free). Length 470mm / 18.50"
Swivel Attachment	Standard - included
Max Towing Capacity / Aircraft MTOW	Up to MAX 8,800 lbs (4,000 kg / 4 Tons) MTOW
U-Fork Attachment Adjustment	Height adjustable
U-Fork Adapter Closing and Opening	Via hand-operated lever
Time to load & fix Aircraft in Seconds	Less than 10 seconds
Signal Horn	Optionally available in conjunction with the Multifunctional Three-Axis Tiller Control Handle OPTION
Vehicle Lighting	Energy saving, but strong LED Headlight illuminating driving direction (front)
Safety Power Light	Standard - included
Electric Safety	Electrical Disconnect Master Safety Key
Note: Specifications based on Standard Norms and Conditions	Note: Technical Specifications are Subject to Change

Collapsible Design	Standard - Included, the unit can be easily dismantled for compact stowing and can be transported in an aircraft
Electric Safety Features	Triple E-Stop Safety Feature with direct battery connector switch
Shipping Weight	Packaged in average 56kg (124 lbs) depending on configuration (plus pallet if applicable)
Dimensions	Packaged in average 800mm x 600mm x 500mm (31.49" x 23.62" x 19.69") (plus pallet if applicable)
Battery Capacity / Service Time in Hours	Approx. 3 Hours continuous (depending on workload and aircraft weight), 5 days in step. Usually when used only 1 x per week it is sufficient to charge 1 x per month
Operating Temperature (Range from - to +)	-15°C to +50°C
Operating Humidity (up to max Relative Humidity in %)	Max 90% Relative Humidity
Construction	Heavy Duty Chassis and Steel Construction with welded Steel Plate and Polymers protected by Powder Primer and top-rated automotive High-Gloss Enamel Paint with high quality protective Polyurethane Coating to prevent rust, scratches and corrosion. Sturdy, rugged, and durable design with industrial strength for commercial use and applications
Standard Color	Light Grey - Anthracite (custom colors are optionally available)
Applicable for Aircraft	Wide range of aircraft. Please consult to obtain specific aircraft confirmation.
Warranty	Up to 2 Years Limited Warranty
Note: Warranty subject to applicable Standard Terms & Conditions	Note: Technical Specifications are Subject to Change

## COMPLIANCE



Compliant with all applicable Norms & Regulations. Product meets and exceeds all Standards in its respective Classification. Electrics conform to EU CE and US Regulations.



- Every Unit is delivered with a Set of Standard Universal Adapters suitable for a wide Range of Aircraft
- The Adapter is fully adjustable
- Many Size Adjustment Options
- No Tools required

For certain Aircraft (e.g. Diamond, Socata Beech Bonanza) specific Adapters are **OPTIONALLY** available.



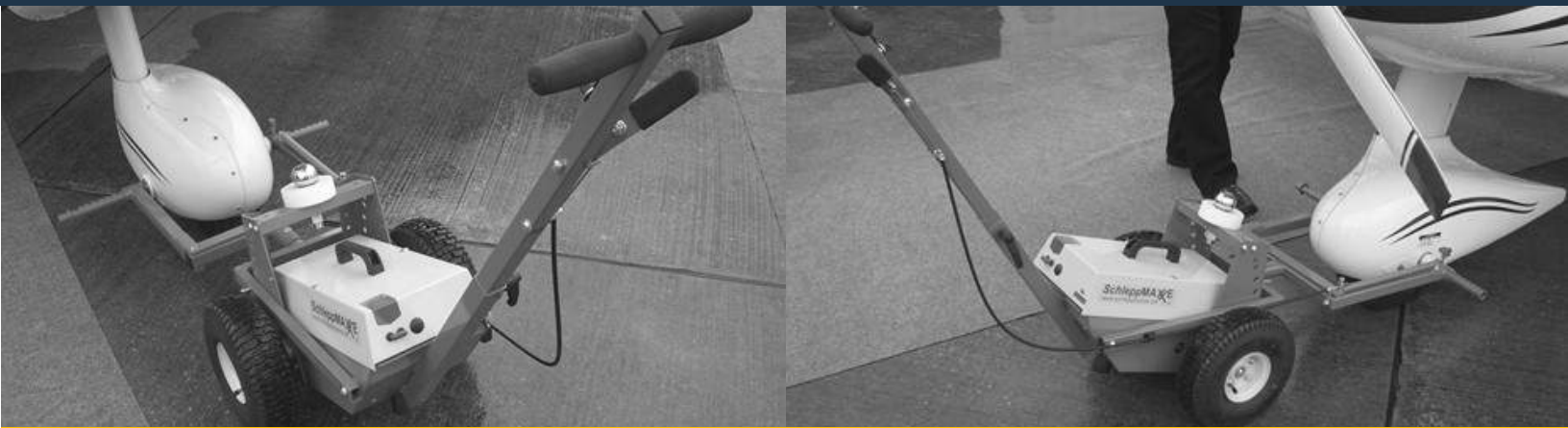
## EASY ADJUSTMENTS - VERY SIMPLE



- The Main U-Fork Adapter Bracket can be set for various Angles
- The Adapter is fully adjustable
- Many High Adjustment Options
- No Tools required

- The Steering Handle is fully adjustable
- Many High Adjustment Options
- No Tools required





## VERY EASY HANDLING

- The Main U-Fork Adapter Bracket is controlled via a Lever at the Steering Handle
- Easy Opening and Closing for convenient Docking, Coupling and De-Coupling
- No Tools required



- LED Work Light



- The Main U-Fork Adapter Bracket is equipped with a Swivel Axis



**Some Aircraft Examples:**

- Cessna
- Piper
- Mooney
- Beechcraft
- Lanceair
- Remos
- Atec
- Tecnam
- Robin
- Diamond
- Cirrus
- Aquila
- Vans
- Zenith
- Aviat
- Piaggio
- Bölkow
- SIAI Marchetti
- Grob
- + many more

This universal Tug can be used for a wide Variety of Aircraft. Thousands of our Tugs are in Operation all over the World.

Please Note: Our Tug has been copied by several Vendors and those Companies are pursued for Copyright Infringement.

Don't be fooled by Copies and low Quality Knockoff's. There is only one **TowFLEXX®** Original Patent protected, also known in Europe as (*SchleppMAXXE®* and *TugMAXXE®*).



# Fits most Aircraft up to max 8,800 lbs





## OPTIONS

The **TugMAXXE® 2-Series** is available with following Options:

- Three-Axis Tiller Control Handle
- Special Aircraft Adapter Extensions
- 12V Power Outlet
- Heavy Duty All Terrain Tires
- Snow Chains

Please consult with us to determine the best and most suitable configuration option for your aircraft.



A universal Tug for a wide Variety of different Aircraft

## APPLICATIONS



Also applicable for most Tail Dragger Aircraft



Usable for many light Twin Aircraft



Easy Aircraft Re-Positioning



One Person can do it alone



**TugMAXXE® is made in one of the most modern Factories**



TugMAXXE® tow equipment and ground handling systems are advanced German engineered products, applying latest technologies, unmatched quality and precision. Our ultra modern high-tech factory is the best example of cost-effective high-quality manufacturing. It is one of the most modern factory floors of its kind, like a Swiss watch, with the same level of precision. A high degree of automation with a multitude of other advanced manufacturing technologies, including laser cutting, innovative combined bonding and welding. The factory follows production methods that sets the standard for world-class manufacturing facilities.



**TNA - Aviation Technologies**  
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