

# STILETTO™

## High performance composite telescoping mast

The revolutionary Will-Burt Stiletto carbon fiber composite, electro-mechanical mast features the best combination of high strength, low weight and great stability in the industry. With its low nested height and small space claim, Stiletto is the lightweight mobile solution for applications requiring rapid automatic deployment, maximum reliability and high directional pointing accuracy.



### Specifications: 3 meter Stiletto

Extended Height (+10 cm / -0)	2.97m
Nested Height (+2.5 cm / -0)	1046mm
Rated Payload Capacity	113 kg
Weight (including Control Box and Cables)	85 kg
Number of Sections	5
Tube Diameter Range	262 mm to 186 mm
Survival Wind Speed	160 km/hr
Deployment Wind Speed	60 km/hr
Erection Time with Power	45 sec.
Rotation Accuracy (Twist)	+/-0.5°
Voltage (MIL-STD 1275)	18.1 to 33 VDC
Footprint	44.6 cm x 28.5 cm
Payload Sail Area	0.6 sq. m
Operational Slope	10°

- **High pointing accuracy and low wind deflection**  
Internal keys and rigid design maintain azimuth and eliminate the need for guylines
- **High weight lifting capacity**  
for greater safety and payload accommodations
- **Higher strength for lighter weight**  
Lightweight carbon fiber construction driven by stainless steel electro-mechanical drive screw
- **Advanced safety**  
Automatic sectional locking assures personnel and payload safety
- **Low maintenance costs**  
Easy, routine field and depot maintenance
- **Use in harsh environments including ice and high wind**  
Positive retraction

### MIL-STD-810F Qualifications

Altitude\*: Sea level to 15,000 feet per MIL-STD-810F, Method 500.4

Transportation Altitude\*: Sea level to 15,000 feet (unpressurized) MIL-STD-810F, Method 500.4

Operating Temperature Ranges: -51°C to +55°C, MIL-STD-810F, Method 501.4 and 502.4

Storage Temperature Ranges: -51°C to +71°C, MIL-STD-810F, Method 501.4 and 500.4

Solar Radiation\*: Per MIL-STD-810F, Method 505.4

Rain\*: Per MIL-STD-810F, Method 506.4

Humidity\*: Per MIL-STD-810F, Method 507.4

Fungus: Per MIL-STD-810F, Method 508.4

Salt Fog\*: Per MIL-STD-810F, Method 509.4

Sand and Dust\*: Per MIL-STD-810F, Method 510.4

Ice and Freezing Rain: Per MIL-STD-810F, Method 521.2

\*The Stiletto HD design was qualified by similarity to the standard Stiletto design

MIL-STD-461E Qualifications: CS101, CS114, CS115, CS116, RS103

MIL-STD-461E Qualifications: CE102, RE102, RS101 can be met with additional optional equipment

# CONTACT YOUR SALES REPRESENTATIVE TODAY

The Will-Burt Company, headquartered in Orrville, Ohio, USA, is the world's premier manufacturer of mobile telescoping masts, towers and pan and tilt positioners. We offer virtually every payload elevation and integration solution from the top brands; Will-Burt, GEROH, Integrated Tower Systems (ITS) and MAD – for defense, government, first responders, cellular, broadcast, energy production and other markets. Will-Burt also offers contract manufacturing, metal fabrication, powder-coating, and rapid prototyping services. All Will-Burt Company manufacturing locations are backed by a certified ISO 9001:2015 Quality Management System. Incorporated in 1918, Will-Burt is 100% employee-owned and is classified as a small business.



www.willburt.com

## UNITED STATES WORLD HEADQUARTERS

401 Collins Blvd  
Orrville, OH USA 44667  
Telephone: 330.682.7015  
Mast Customer Service: 330.684.4000  
Fax: 330.684.1190  
Email: info@willburt.com

## INTEGRATED TOWER SYSTEMS

A WILL-BURT COMPANY  
2703 Dawson Road, Tulsa, OK 74110  
Telephone: 800.850.8535  
Fax: 918.749.8537  
Email: programs@itstowers.com

## WILL-BURT EU

Unit 5b, Station Approach  
Four Marks, Alton Hampshire,  
GU34 5HN, United Kingdom  
Telephone: +44 (0) 1403 265532  
Fax: +44 (0) 1403 259072

## WILL-BURT TURKEY

2118. Cad. No: 4, B101  
Mustafa Kemal Mah. 06530 Çankaya  
Ankara, Turkey  
Telephone: +1 202 820 2184

## EUROPE GEROH

A Will-Burt Company  
Fischergasse 25  
91344 Waischenfeld, Germany  
Telephone: +49-9202-18-0  
Fax: +49-9202-18-11  
Email: info@geroh.com

## ASIA SINGAPORE SALES OFFICE

1 Fullerton Road,  
#02-01 One Fullerton,  
Singapore 049213  
Telephone: +65 6832 5689  
Fax: +65 6722 0664