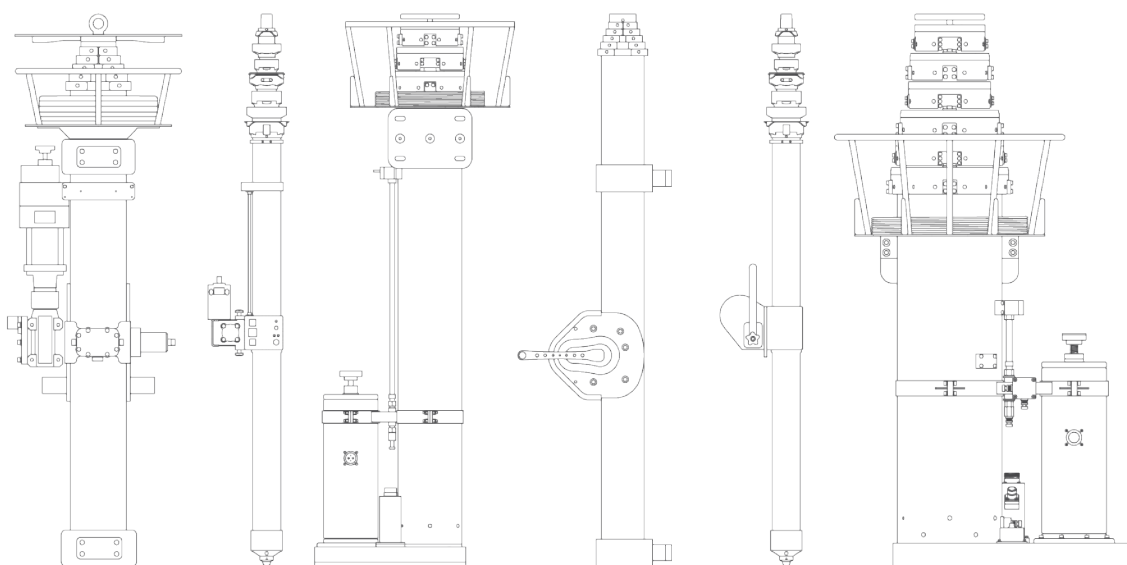


# Masttech Product Catalog



## About Us

Founded in 2019 in Ankara, the heart of Turkey's defense industry, Masttech was established with the aim of developing telescopic mast systems and related integration subsystems, as well as manufacturing over 300 existing designs. Our factory also produces lighting systems, carrier platforms, semi-trailers, blackout systems, and electronic control units.

Our vision is to develop next-generation mast systems and carriers, increase our domestic production and export volume, and become a nationwide production center. With this aim, our company aims to meet more than 95% of the domestic demand for the defense industry and the private sector, which have been imported for years. Our factory is also the production base for our entire Molekulas group of companies. Our products are manufactured in accordance with MIL-STD and CE standards and are sold worldwide from here.

Masttech is competitive and innovative abroad with its experience, expert employees, advanced technology-based production, unique solutions, and products.



## CEO's Message

The vision that established Masttech gets its strength from trust, friendship and common participation. Our partners and all our employees work all over the world for one purpose and our basic principles. Our aim is to establish systems that will sustain our innovation for generations, and our basic principle is to act in accordance with universal moral values in every aspect. Our units located all over the world serve a large market. Our aim is to grow and leave a mark in the sector in which our company has gained and will achieve without deviating from its goals and principles.

Koray Gökalp  
*Masttech CEO*

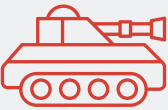
# Usage Areas



## Search and Rescue

Masttech telescopic masts offer the fastest and easiest-to-use solutions for search and rescue response vehicles. It allows for seamless upgrade of critical payloads such as sensors, radars, antennas, cameras and LEDs. Provides operational support to response teams for problems caused by natural disasters such as floods, earthquakes and landslides. It provides convenience in the field in case of emergency with both on-board and on-board lighting solutions.

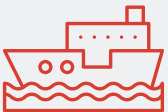
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## Defense Industry

Designed for mission-critical applications, Masttech's comprehensive product range provides the performance required for military success. Our mast, tower security and surveillance solutions are designed and built to meet the toughest environmental requirements. Our products meet MIL-STD-810 standards. Thus, whether in the field or at the front, it always provides the soldiers with fast and optimum performance.

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## Marine

Masttech's Yacht Masts are specially designed to perform in harsh sea conditions. It is produced using certified materials that will adapt to harsh climate and environmental conditions.

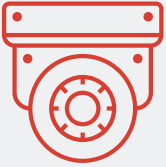
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## Communication and Communication (5G Applications)

Masttech offers a wide range of portable telescopic mast and mast elevation solutions to meet customers' cellular and mobile communication (5G Applications) needs.

---



## Monitoring and Surveillance

Optimal performance of mobile monitoring and Surveillance Solutions telescopic masts and surveillance sensors is guaranteed. Offering high stability and robustness, Masttech telescopic systems maximize overall performance by enabling sensors to achieve greater image stability at long distances. Electromechanical and pneumatic masts and towers designed for mission-critical missions offer high stability and robustness, enabling surveillance and targeting sensors to achieve optimum performance.

---



## Fire Department

Masttech light towers create a safe working environment by illuminating the environment from above like natural daylight. Masttech lighting and camera tower solutions enable firefighters around the world to conduct rescue operations in the safest possible lighting conditions. Masttech Night Scan and its lampposts height and bright illumination helped make it the best selling light tower in the world.

---



## Law Enforcement

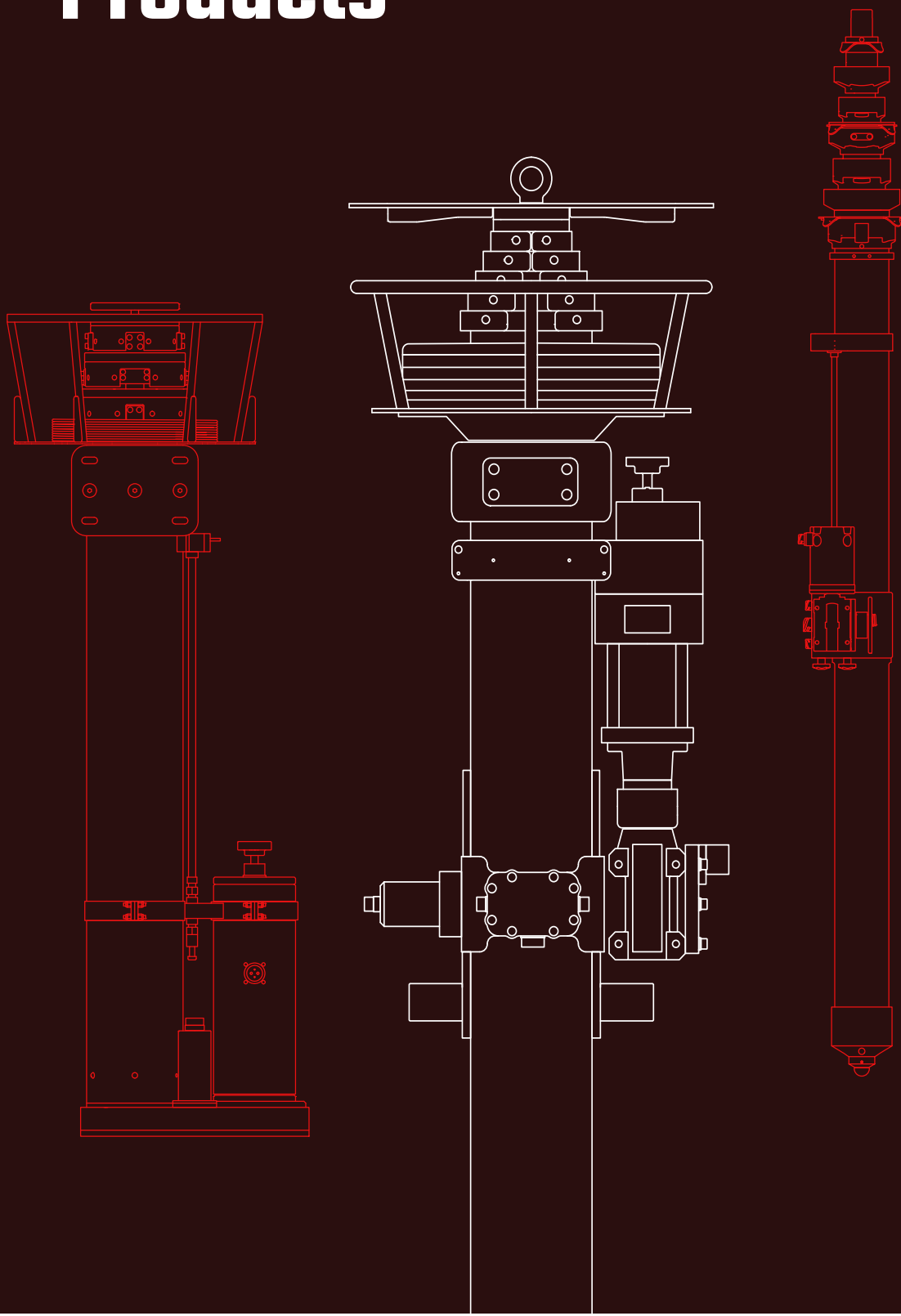
Telescopic elevating systems; It is designed and manufactured by Masttech engineers to provide law enforcement and emergency management personnel with the best possible performance through ease of use with communication, lighting and camera solutions. Operational safety and speed increase when Masttech system is used.

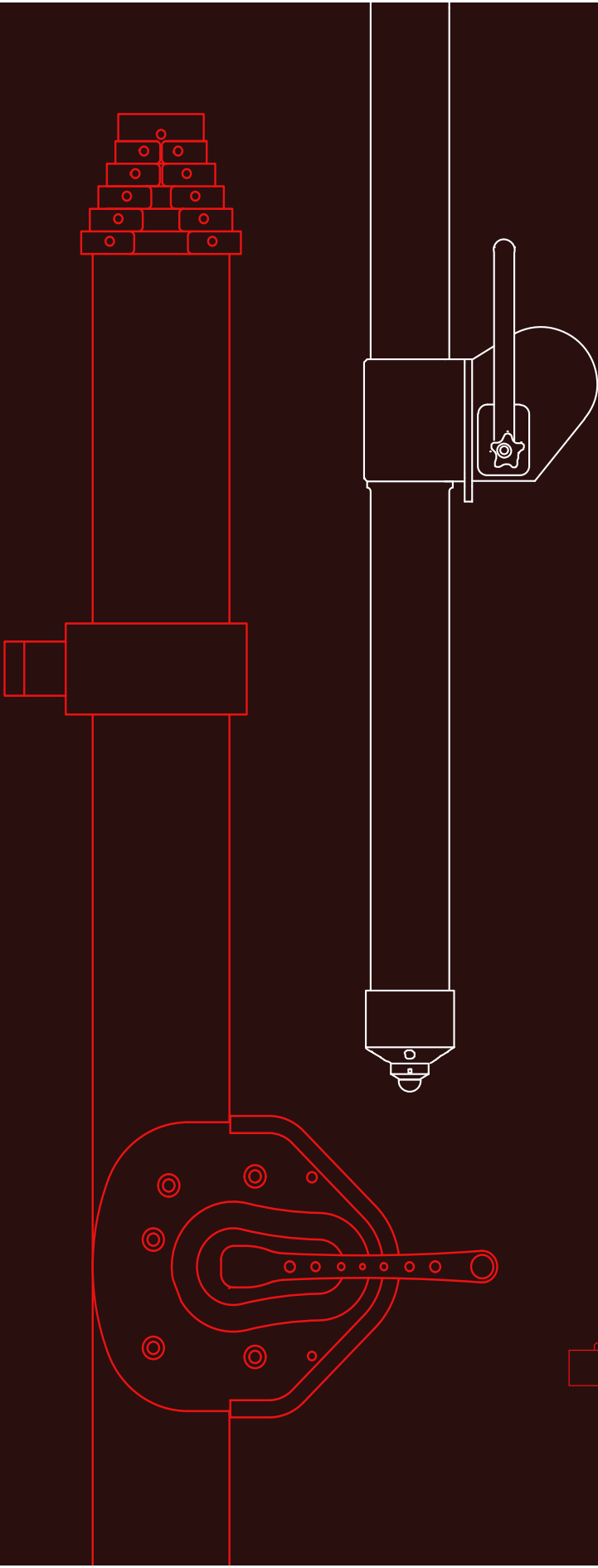
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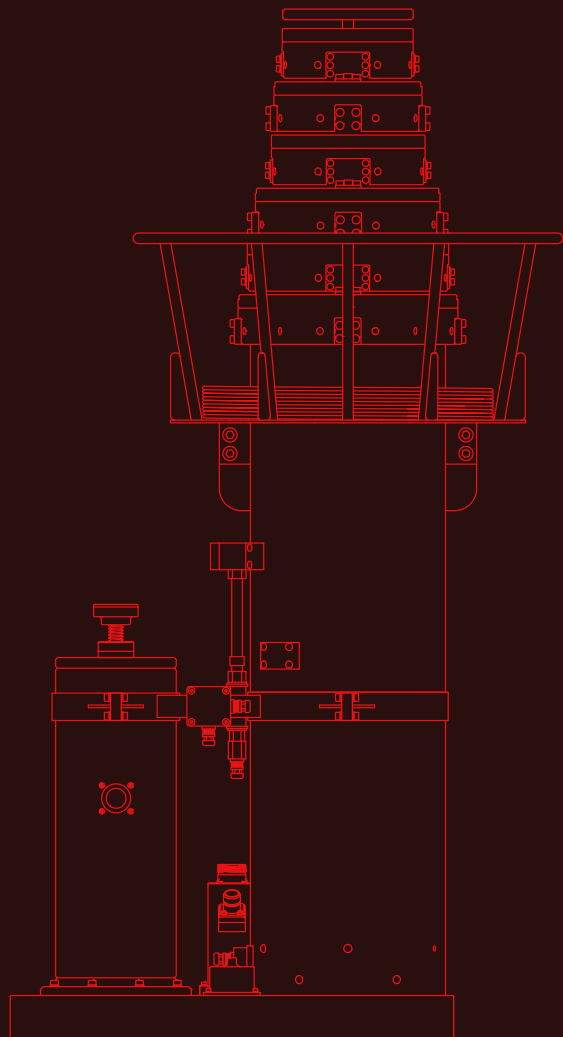
Visit our website for more information.

# Products





[masttech.com](http://masttech.com)





# MTS Series

## Electromechanical & Mechanical Mast Systems

Quick and easy installation

**Lightweight telescopic  
mast system**



**19 - 49 kg**

System weight

**up to 70 kg**

Payload capacity

**up to 20 m**

System extended height

## **MIL-STD 810 G/H** **environmental compatibility**



Electric motor  
(28 VDC) or manual

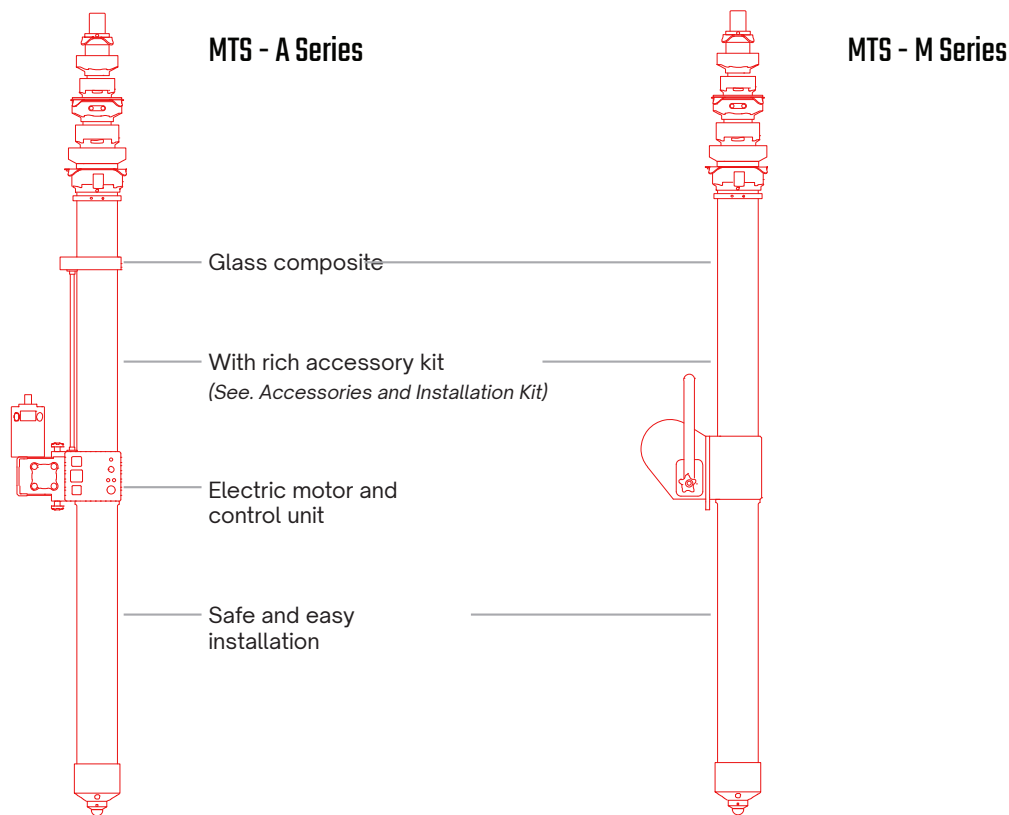


Required for installation  
whole set of accessories

MTS Series has a weight of 19-49 kg with its glass/fiber composite body structure. It is easily portable and provides the advantage of being used in the field. It offers an economical solution for payloads up to 70 kg with manual or electric motor.



# Versions



# Usage Features



**Manual**  
Easy and practical handwheel



**Electric motor**  
28 VDC electric motor



**Manual Operation**  
Manual operation in motorized version



**Bellows**  
Protective bellows

*Masttech MTS-A*



Visit our website for more information.

# MTS - A Series

	3MTS A3-1.3	4MTS A4-1.45	5MTS A5-1.6	6MTS A5-1.75	8MTS A6-2	9MTS A7-2.05	10MTS A7-2.2	12MTS A7-2.45	15MTS A7-2.9
System Height (m)	3	4	5	6	8	9	10	12	15
Extended Height (m)	2,6	3,6	4,6	5,6	7,6	8,6	9,6	11,6	14,6
Retracted Height (m)	1,3	1,45	1,6	1,75	2	2,05	2,2	2,45	2,9
Number of Sections	3	4	5	5	6	7	7	7	7
Mast Weight w/o Accessories (kg)	19	24	27	29	34	37	39	43	49
Maximum Payload Capacity (kg)	70	65	60	60	55	50	45	40	30
Maximum Wind Area for Payload (m²)	0,8								
Maximum Survival Wind Speed (km/s)	160								
Guy Radius (m)	3	4	5	6	8	9	10	12	15
Number of Guys x Levels	4 x 2					4 x 3			
Bottom Section Diameter (m)	126								
Accessories weight (kg) (Including Motor Assembly)	34					43			

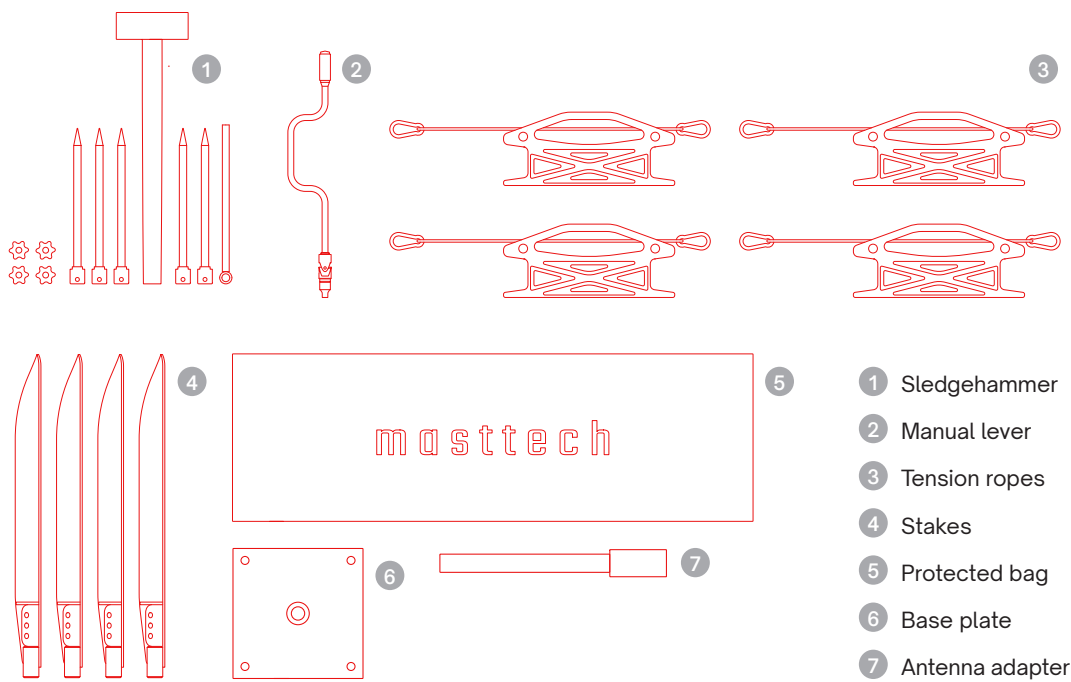


# MTS - M Series

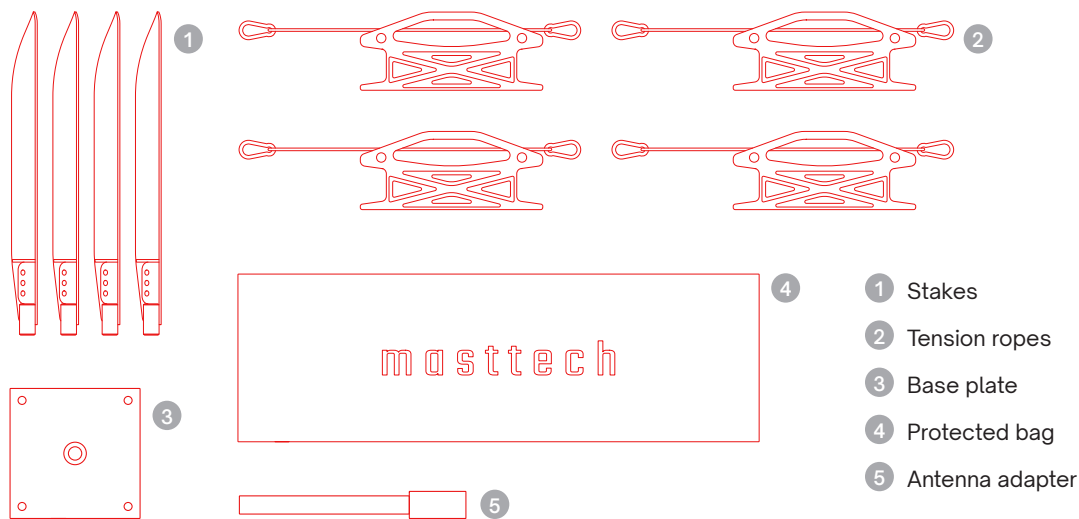
	3MTS M3-1.3	4MTS M4-1.45	5MTS M5-1.6	6MTS M5-1.75	8MTS M6-2	9 MTS M7-2.05	10MTS M7-2.2	12MTS M7-2.45	15MTS M7-2.9
System Height (m)	3	4	5	6	8	9	10	12	15
Extended Height (m)	2,6	3,6	4,6	5,6	7,6	8,6	9,6	11,6	14,6
Retracted Height (m)	1,3	1,45	1,6	1,75	2	2,05	2,2	2,45	2,9
Number of Sections	3	4	5	5	6	7	7	7	7
Mast Weight w/o Accessories (kg)	19	24	27	29	34	37	39	43	49
Maximum Payload Capacity (kg)	70	65	60	60	55	50	45	40	30
Maximum Wind Area for Payload (m²)	0,8								
Maximum Survival Wind Speed (km/s)	160								
Guy Radius (m)	3	4	5	6	8	9	10	12	15
Number of Guys x Levels	4 x 2					4 x 3			
Bottom Section Diameter (m)	126								
Accessories weight (kg) (Including Motor Assembly)	32					41			

# Accessories and Installation Kit

## MTS - A Series



## MTS - M Series



# MTSV Series



On vehicle lightweight  
telescopic mast  
systems

**27 - 49 kg**

System weight

**up to 55 kg**

Payload capacity

**up to 8 m**

System extended height

## **MIL-STD 810** **environmental compatibility**



Composite  
body



Electric motor  
or manual



On-vehicle  
use

MTSV series; It has been developed for mobile (on vehicle) use. It offers a unique solution for a useful load lifting capacity of up to 3 - 8 meters and up to 55 kg without the need for a guide rope. Providing fully automatic in-vehicle use, the MTSV Series provides the most economical solution within its limits. The MTSV Series also offers a manual operation option. No guide rope required.

## **Usage Features**



### **Motor use**

Electric motor



### **Manual Operation**

Manual handwheel



### **Vehicle Mounting Kit**

Easy-to-use mounting  
kit for vehicle mounting



### **Adapter**

Payload adapter



### **Cable Management**

Cable basket  
and cable spring



### **Sensitive Load**

Minimum load bending  
with vertical axles



# MTSV - A Series

	3MTS-A6-1.1	4MTSV-A6-1.3	5MTSV-A7-1.45	6MTSV-A7-1.6	8MTSV-A7-1.8
System Height (m)	2,9	3,9	4,9	5,9	7,9
Extended Height (m)					
Retracted Height (m)	1,1	1,3	1,45	1,6	1,8
Number of Sections	6	6	7	7	7
Nominal Voltage (Vdc)	28				
Power Consumption (kW)	0,35				
Mast Weight w/o Accessories (kg)	29	34	38	43	49
Maximum Payload Capacity (kg)	55	55	50	45	40
Maximum Wind Area for Payload (m²)	0,25				
Maximum Survival Wind Speed (km/h)	120				
Number of Guys x Levels	4 x 2				
Bottom Section Diameter	126				
Accessories weight (kg) (Including Motor Assembly)	9				

# MTSV - M Series

	3MTSV-M6-1.1	4MTSV-M6-1.3	5MTSV-M7-1.45	6MTSV-M7-1.6	8MTSV-M7-1.8
System Height (m)	2,9	3,9	4,9	5,9	7,9
Extended Height (m)					
Retracted Height (m)	1,1	1,3	1,45	1,6	1,8
Number of Sections	6	6	7	7	7
Mast Weight w/o Accessories (kg)	27	32	36	40	46
Maximum Payload Capacity (kg)	55	55	50	45	40
Maximum Wind Area for Payload (m <sup>2</sup> )	0,25				
Maximum Survival Wind Speed (km/h)	120				
Number of Guys x Levels	4 x 2				
Bottom Section Diameter	126				
Accessories weight (kg) (Including Motor Assembly)	6				

# MTHP Series



Design for sensitive loads

**Square profile design where  
vibration is minimized**

**19 - 49 kg**

System weight

**up to 80 kg**

Payload capacity

**up to 15 m**

System extended height

## Military and civil type electronic control



Suitable for  
sensitive loads



Cable  
management

The MTHP Series is designed for mobile applications up to 18 meters in the field that do not require tension ropes. Aluminum profiles are a strong and solid base for sensitive payloads. MTHP Series can be operated in two different ways. Electromechanical and manual versions are available. This series consists of a stainless steel cable carrier system; Works flawlessly in all weather conditions. Thanks to its self-locking mechanism, it is not affected by road conditions in the field.

### Features



**Manual hand crank**



**Cable management**

Cable basket and spring



**Vehicle mount kit**

1 Bottom

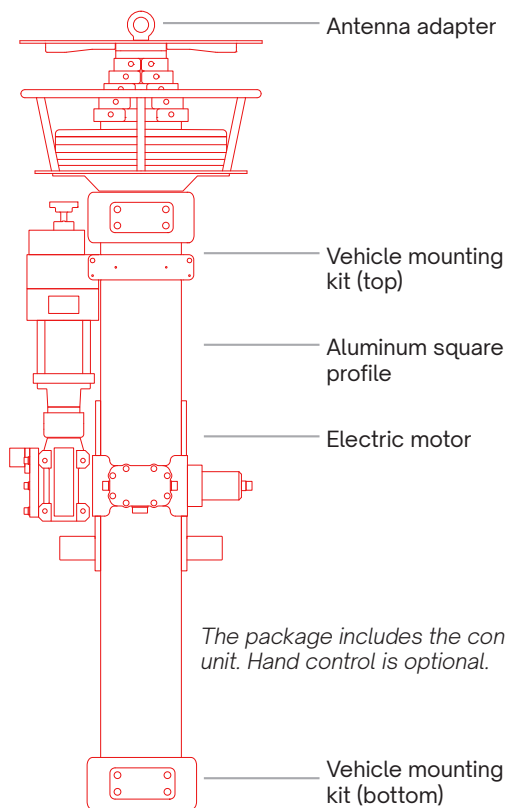
2 Top



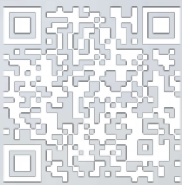
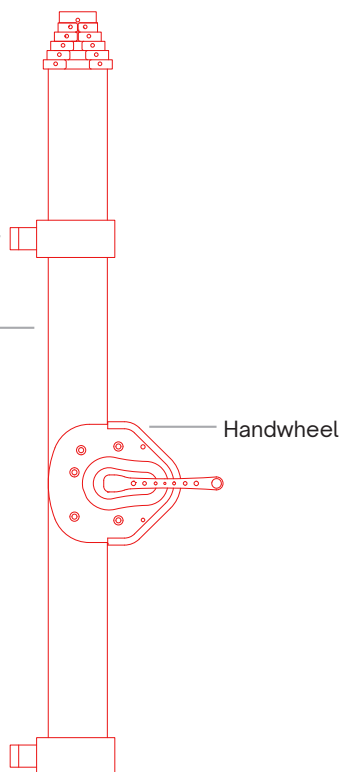


# Versions

## MTHP - A Series



## MTHP - M Series



Visit our website for more information.



# MTHP Series

	Extended Height (m)	Retracted Height (m)	Number of Sections	Power Type	Operating Voltage (V)	Payload Capacity (kg)
3MTHP-A6-1	3	1	6	Electro mechanic	28	80
4MTHP-A6-1.2	4	1,2				70
6MTHP-A6-1.5	6	1,5				60
8MTHP-A6-1.9	8	1,9				50
9MTHP-A6-2.1	9	2,1				45
10MTHP-A6-2.25	10	2,25				40
12MTHP-A6-2.55	12	2,55				35
15MTHP-A6-3.1	15	3,1				30
3MTHP-M6-1	3	1	6	Manual	-	80
4MTHP-M6-1.2	4	1,2				70
6MTHP-M6-1.5	6	1,5				60
8MTHP-M6-1.9	8	1,9				50
9MTHP-M6-2.1	9	2,1				45
10MTHP-M6-2.25	10	2,25				40
12MTHP-M6-2.55	12	2,55				35
15MTHP-M6-3.1	15	3,1				30

# MTX Series

Aluminum body

**Rugged design**



**50-83 kg**  
System weight

**up to 170 kg**  
Payload capacity

**up to 8 m**  
System extended height

## High-capacity military use



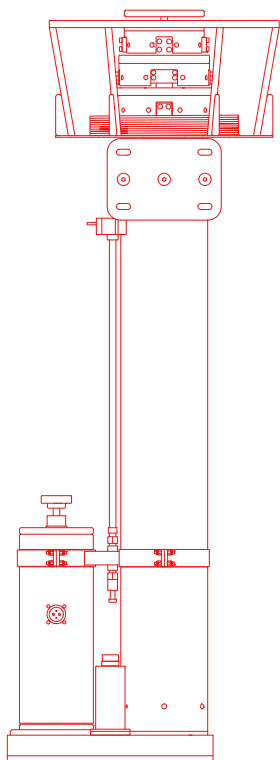
Electro  
mechanical  
mast



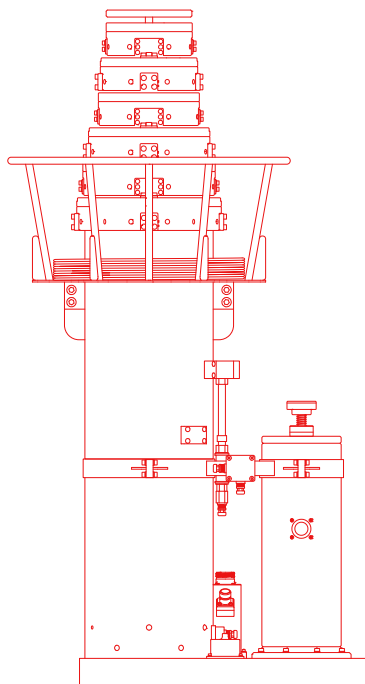
Electric  
motor

MTX It has been developed using the high-precision working design of the MTT series, which was developed mainly for military use with the highest capacity. It offers more economical solutions with its aluminum body structure. The MTX series, with a payload capacity of up to 250 kg, is offered with military and industry-specific control options. Every option offered is designed to avoid unnecessary costs and to offer optimum solutions for needs, as in our other products.

## Versions



**MTX - S Series**



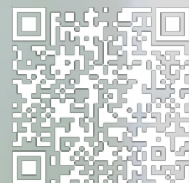
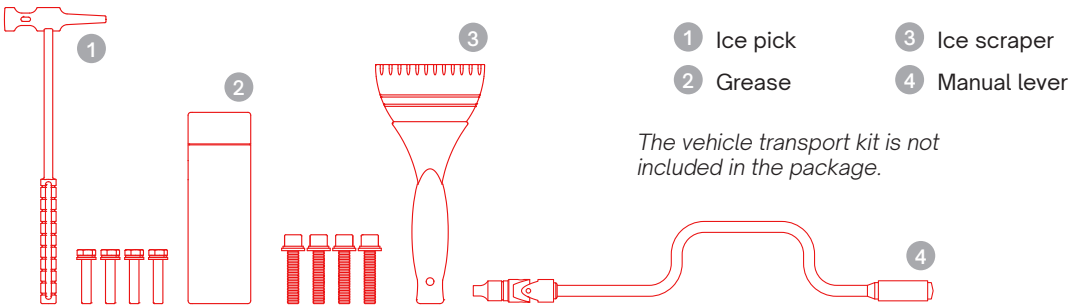
**MTX - HD Series**

# MTX Series

	2.5MTX-S4-1.15	3MTX-S4-1.15	4MTX-S4-1.4	5MTX-S4-1.65	6MTX-S4-1.87	8MTX-S4-2.4
Extended Height (m)	2,5	3	4	5	6	8
Retracted Height (m)	1	1,15	1,4	1,65	1,87	2,4
Number of Sections	4					
Mast Weight Excluding Accessories (kg)	50	53	60	65	71	83
Power Type	Electromechanic					
Operating Voltage (V)	18-32					
Locking mechanism	Automatic					
Version	Standard					
Survival Wind Speed (km/h)	120					
Rotation Accuracy (Twist)	+/-1					
Payload Capacity (kg)	170	160	150	150	130	120



# Accessories



Visit our website for more information.

# MTT Series



Carbon fiber composite body

**Rugged design**

**up to 300 kg**

Payload capacity

**3-15 m**

System extended height

## Compatible with harsh military conditions



Electro  
mechanical mast



Carbon fiber  
composite body

MTT Series; it brings a high quality solution where weight, durability and precision are important. The carbon fiber composite body provides an efficient solution for payloads. It consists of pipes driven by an electro-mechanical power unit controlled by a new generation ECU (Electronic Control Unit) certified for the toughest military conditions. HD Series can carry loads of up to 300 kg; It provides verification for sensitive electronic systems that require EMI/EMC tests. The main parts of the telescopic system work smoothly to give the best concentric deflections for minimum torsion.

## Features



Electronic control unit



Hand control (Optional)





## *Masttech MTT Series*



Visit our website for more information.



# MTT Series

	3MTT	4MTT	6MTT	8MTT	10MTT	12MTT	15MTT
Extended Height (m)	3	4	6	8	10	12	15
Nested Height (m)	1	1,25	1,5	1,8	2	2,3	2,5
Maximum Payload Capacity (kg)	250	250	250	200	175	150	125
Weight (kg) (Including Electronic Control Unit)	108	115	150	160	170	190	230
Power Type	Electromechanic						
Operating Voltages (MIL-STD-1275)	18-32						
Locking System	Automatic						
Deployment Wind Speed (km/h)	90	90	90	90	80	70	60
Survival Wind Speed (km/h)	150	140	130	120	110	110	110
Rotation Accuracy (Twist)	+/- 1 °						
Footprint	45 x 28 cm						





# MTP Series

# Pneumatic Mast Systems

Pneumatic systems  
to meet your unique  
requirements

## On-vehicle and fixed platform solutions

MTP Series products consist of pneumatic masts with a wide range of payload (5-250 kg) lifting capacity and pneumatic power systems that provide movement, which we have developed for both on-vehicle and fixed platforms.

### Product Lines



#### MTP - M

Pneumatic mast  
with manual lock



#### MTP - C

Pneumatic  
systems



#### MTPQ

Pneumatic mast  
with hand pump



#### MTP - N

Unlocked  
pneumatic mast



#### MTPQ-NN

Pneumatic mast  
with hand pump

## MTP - M Series

### Pneumatic manual locked mast



Wide selection of  
accessories



Pressure loss resistant  
locking system

It works integrated with the MTP-C pneumatic system. It can be used automatically without the need for any locking system and with a remote control if desired. Thanks to its robust structure, it works successfully in harsh environmental conditions.



Easy lock design



Pneumatic systems  
variations

*Tripod and compressor are not included in the package.*

**Long life and  
high performance**





# MTP-M Series

	Extended Height (m)	Retracted Height (m)	Number of Sections	Outer Section Diameter	Lifting Mechanism	Locking Mechanism	Maximum Operating Pressure	Payload Capacity
MTPM - A400 - 0125	4	1,25	5	10,8	Air Pressure	Manual Hand Lock	2,3	45
MTPM - A400 - 0125	4	1,25	5	12,1				80
MTPM - A400 - 0125	4	1,25	5	13,4				110
MTPM - A400 - 0125	4	1,25	5	14,7				160
MTPM - A600 - 0160	6	1,6	6	12,1				45
MTPM - A600 - 0160	6	1,6	6	13,4				70
MTPM - A600 - 0160	6	1,6	6	14,7				100
MTPM - A600 - 0160	6	1,6	6	16				150
MTPM - A800 - 0180	8	1,8	7	13,4				40
MTPM - A800 - 0180	8	1,8	7	14,7				60
MTPM - A800 - 0180	8	1,8	7	16				90
MTPM - 1000 - 0200	10	2	8	14,7				20
MTPM - 1000 - 0200	10	2	8	16				50
MTPM - 1200 - 0230	12	2,3	8	16				40
MTPM - 1500- 0270	15	2,7	8	16				30

# MTP - N Series

## Pneumatic non-lock mast

It works integrated with the MTP-C pneumatic system. It can be used automatically without the need for any locking system and with a remote control if desired. Thanks to its robust structure, it works successfully in harsh environmental conditions.



Carrying capacity  
up to 80 kg



Easy installation  
on vehicle and in  
vehicle



### Integrated use with MTP-C pneumatic system

*MTP-C pneumatic system is not included in the package.*

	Extended Height (m)	Retracted Height (m)	Number of Sections	Outer Section Daimeter	Lifting Mechanism	Locking Mechanism	Payload Capacity
MTPN - 0300 - 0130	3	1,3	3	9,5	Air Pressure	Non Locking	80
MTPN - 0400 - 0140	4	1,4	4	10,8			80
MTPN - 0500 - 0140	5	1,4	5	12,1			80
MTPN - 0600 - 0155	6	1,5	5	12,1			70
MTPN - 0600 - 0140	6	1,4	6	13,4			70
MTPN - 0800 - 0160	8	1,6	7	14,7			60
MTPN - 0800 - 0150	8	1,5	8	16			50
MTPN - 1000 - 0175	10	1,8	8	16			40



# MTPQ Series

## Quick operation with built-in hand pump



Wide selection of  
accessories



Pneumatic mast /  
manual lock system

Lightweight, cost-effective, easy-to-install systems that can be used on a vehicle or on a tripod. The manual pump specially designed for the MTPQ is supplied mounted on the mast. It is suitable for use in many areas thanks to its easy use and carrying feature.



Visit our website for more information.

# MTPQ Series



Cable Ring



Drawbar knob



Drive on stand



Tripod

*The accessories mentioned above are not included in the package.*

	Extended Height (m)	Retracted Height (m)	Number of Sections	Outer Section Daimeter	Lifting Mechanism	Locking Mechanism	Payload Capacity		
MTPQ - 0400 - 0140 - 040603	4	1,4	4	8	Hand Pump	Manuel Locking	25		
MTPQ - 0600 - 0185 - 040603	6	1,85					25		
MTPQ - 0800 - 0250 - 040603	8	2,5					22		
MTPQ - 1000 - 0310 - 040603	10	3,1					20		
MTPQ - 1200 - 0360 - 040603	12	3,6					20		
MTPQ - 0400 - 0125 - 050703	4	1,25	5	9					25
MTPQ - 0600 - 0160 - 050703	6	1,6					25		
MTPQ - 0800 - 0200 - 050703	8	2					22		
MTPQ - 1000 - 0260 - 050703	10	2,6					20		
MTPQ - 1200 - 0300 - 050703	12	3					20		

# MTPQ - NN Series



	Extended Height (m)	Retracted Height (m)	Number of Sections	Outer Section Daimeter	Lifting Mechanism	Locking Mechanism	Payload Capacity
MTPQ-NN - 322 - 00000-00	2,5	1,4	2	7	Air Pressure	Non Locking	27
MTPQ-NN - 297 - 00000-00	3	1,2	3	7			27
MTPQ-NN - 298 - 00000-00	3,5	1,4	3	7			27
MTPQ-NN - 299 - 00000-00	4	1,6	3	7			26
MTPQ-NN - 300 - 00000-00	4,5	1,7	3	7			25
MTPQ-NN - 301 - 00000-00	5	1,9	3	7			25



# MTP - C Series

## Pneumatic systems













Masttech offers a wide range of maintenance-free pneumatic systems and hand pumps specially designed for optimum operating performance. These pneumatic systems are designed for high volume air output while operating through the entire mast extension period without overheating. Each system is shipped fully assembled, tested, and factory preset.



*Color options are available.*



# MTP - C Series

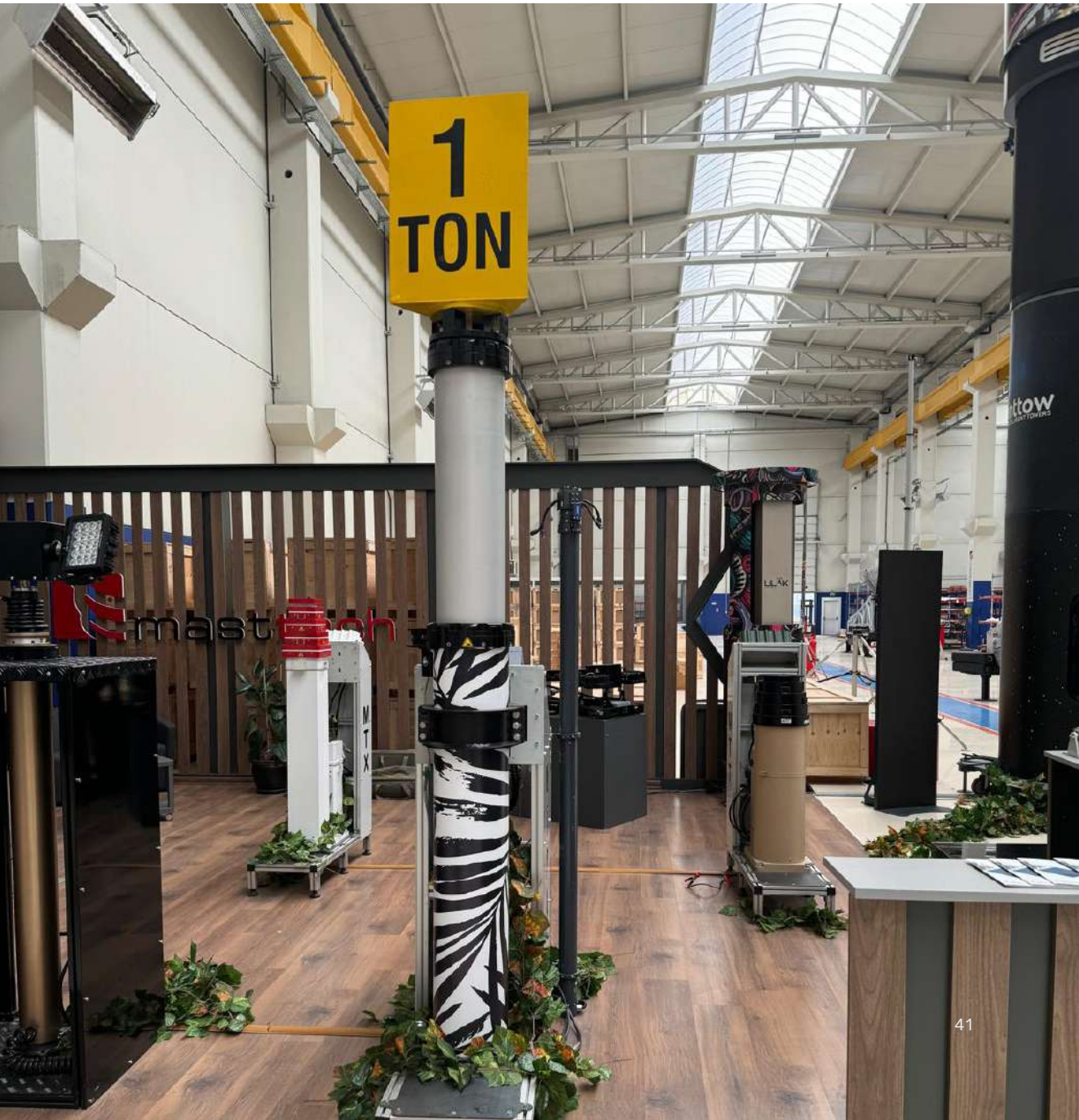
						
	MTPC-110-135	MTPC-220-135	MTPC-110-280	MTPC-220-280	MTPC-12-135	MTPC-24-135
Mast Usage	Standard use	Standard use	Heavy use	Heavy use	Standard use	Standard use
Operating Voltage	110 VAC 60 Hz	220 VAC 50 Hz	110 VAC 60 Hz	220 VAC 50 Hz	12	24
Ltr/Min	135	135	280	280	135	135
Operating Temperature (°C)	-10°C - 55°C	-10°C - 55°C	-10°C - 55°C	-10°C - 55°C	-10°C - 55°C	-10°C - 55°C
Optional Hand Control						
Protective Cabin	x	x	x	x	x	x
Air Hose Fittings	x	x	x	x	x	x
Pressure Gauge	x	x	x	x	x	x
Pressure Switch (psi)	20 ±2	20 ±2	35 ±2	35 ±2	20 ±2	20 ±2
Current (amps)	7	3.5	14	7	65	32
Weight (kg)	25	25	28	28	25	25
Dimensions (mm)	385 x 255 x 380	385 x 255 x 380	420 x 295 x 380	420 x 295 x 380	385 x 255 x 385	385 x 255 x 385



# RLS

## Remote Locking System for Pneumatic Masts

The Masttech patented Remote Locking System for Pneumatic Masts allows the user to lock and unlock the mast/payload from a safe distance. No user intervention is required to raise or lower the mast. It does not require any skill to operate the system and minimizes the risk of user-induced errors. It is eligible to lift heavy loads up to 1 ton with the Pneumatic Mast with Remote Locking System.



# Night Scan Lite

## Light Towers



Wide area lighting

**Durable and  
waterproof design**



Visit our website for more  
information.

2 m

Extended height

under 15 sec

Full extension time

# IP69k certified foldable light tower



Security  
LED light



Wired portable  
remote control

The new Night Scan Lite is a compact folding light tower that combines cutting-edge LED light technology with proven mechanical design to provide fast and reliable stage lighting. Night Scan Lite works independently and only needs 24 VDC power. No generator is needed. The lightweight design allows the light tower to be mounted on flat vehicles or on a trailer. The light can be positioned remotely. The lights are IP69k waterproof. It is guaranteed for 2 years. It has a security LED light. It does not require routine maintenance. NFPA compliant. Patent application has been filed.

	Two Light System	Four Light System
Extended Height (m)	2	
Raw (Lumens)	40,000	80,000
Light Positioner Rotation	360° / 19 sec	
Light Positioner Tilt	360° / 19 sec	
Full Extension	under 15 sec	
Operating Temperature	-20° to 70°	
Withstand Wind Speed (km/h)	160	
Weight (kg)	87	93
Maximum Amps (VDC : A)	24 VDC : Maximum 30 A	24 VDC : Maximum 40 A
Part Number	719990290-PA09	719990281-PA09

## Night Scan Series

### Night Scan Chief

Chief is a collapsible, roof-mounted light tower that requires no interior vehicle space. It is generally used in medium-sized rescues, pumper rescue, service vehicles and pickups. The Night Scan® Chief has a stand alone air system (no external air supply required) and can be used in all DC (12V / 24V DC) operations where no generator or inverter is required.

### Roof Mounted Vehicle Towers

It is a vehicle roof-mounted light tower that does not require a vehicle interior. It is generally used in heavy rescue vehicles, mobile command centers and airport RFF vehicles. Ideal for vehicles where maximum light is required. It can be lifted with an optional onboard compressor.

### Night View Vertical Light Tower

The Night View Vertical Tower is a vertically mounted light tower that can be installed inside or outside the back or side of the vehicle. It is used to lift lights and/or cameras and is often used in heavy rescue vehicles, full-scale mobile command centers, aircraft rescue and firefighting vehicles at airports, and large towing vehicles. The Night View Vertical Light Tower, which can go up to 220,000 lumens with the Sirion light package, is ideal for vehicles that require maximum light and height.

## Lighting Guide

It offers lighting options from the best brands to meet the specific needs of our customers. Virtually all electrical system requirements can be met by our lighting methods. Light packages are available in 12 and 24 Volt DC and 110 and 220 Volt AC. Currently the most versatile LED lights on the market, available in low power consumption and high lumen efficiency arrangements. Halogen packages are available for use in traditional, low initial cost lighting applications.

## LED Lamp

The LED lamps of the Night Scan family are the only LED stage lights specially designed for Night Scan light towers. These lamps have been developed to optimize the features of Night Scan towers, produce more light, use less power and illuminate more areas. Consistent and continuous lighting from the beginning to the end of the job is provided with an electronic temperature management system, large heat sinks and high quality LEDs. With the Night View lamp option according to your lumen and voltage requirements, the best lighting suitable for your needs is provided.



*Night Scan  
(open position)*



*Night Scan  
(closed position)*

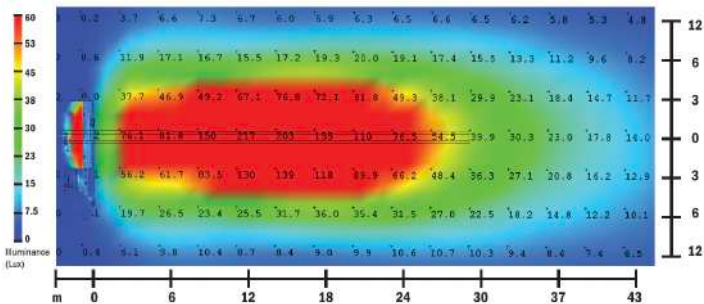




Visit our website for more information.



Photometric Light Scheme



384 sq. m in 30+ lux. more than meters of safe working space



## Why would you need a Night Scan light tower?

### Security

Safety is the number one requirement for search and rescue operations, and nighttime operations pose an even greater challenge. Night Scan light towers provide a safer working environment by illuminating the image from above, like natural daylight.

### Top Lighting

The overhead lighting reduces glare for oncoming traffic and does not dazzle occupants. Night Scan light towers allow you to customize the light intensity and cover it at any height without being fully extended. Installation flexibility is provided by three lightweight options; roof-mounted equipment, internally mounted extending to the roof, or externally mounted to the vehicle.

### Rugged Design

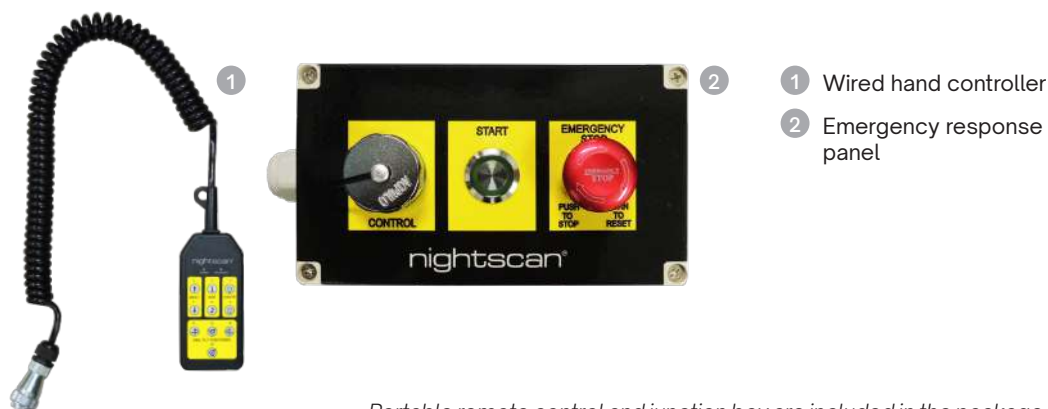
All Night Scan light towers meet or exceed all NFPA 1901-16 requirements. Made in the USA, the maintenance-free design works in virtually any environment, from dusty, hot deserts to -22°F, snowy conditions. The Powerlite dual-slant light option distributes light evenly to the front and back, providing 360° illumination of the image.

Nearly unlimited Night Scan options ensure your department meets their needs. Hilly terrains and tall buildings 30 ft. may require a light tower powered by six very powerful lamps tall. Small vehicles may be better suited to the two-lamp, 3.25-foot Night Scan model. The towers are compatible with any vehicle's electrical system with LED or halogen lamps from top brands (FRC, Whelen and Will-Burt).

Night Scan's always upright design provides the best platform for adding optional flashlights or video cameras. Video cameras can be used for image recording, training or remote monitoring of operations. Will-Burt has a wide range of video options, from simple, fixed-lens cameras to high-definition and thermal image PTZ cameras.

Choose Night Scan and work under the safest night conditions!  
**Because you need light every night!**

### Accessories



*Portable remote control and junction box are included in the package.*

## Choosing the best Night Scan for you

### Review your overall height requirements.

If your terrain is hilly or has tall trees or tall buildings, you may want a higher tower that extends up to 30 ft. Note that the mounting location will also add height. Night Scan platforms are available from 3.25' to 30'.

### How much space is there for the light tower?

If there is sufficient roof space; A lightweight, compact, collapsible, roof-mounted tower is a good option. If space is tight, an overhead vertical light tower or side-mounted vertical tower may be the best option.

### How much light do you need?

2, 4 or 6 LED or halogen lamp options are available. Total lumen can reach 220,000.

### What type of electrical system is available?

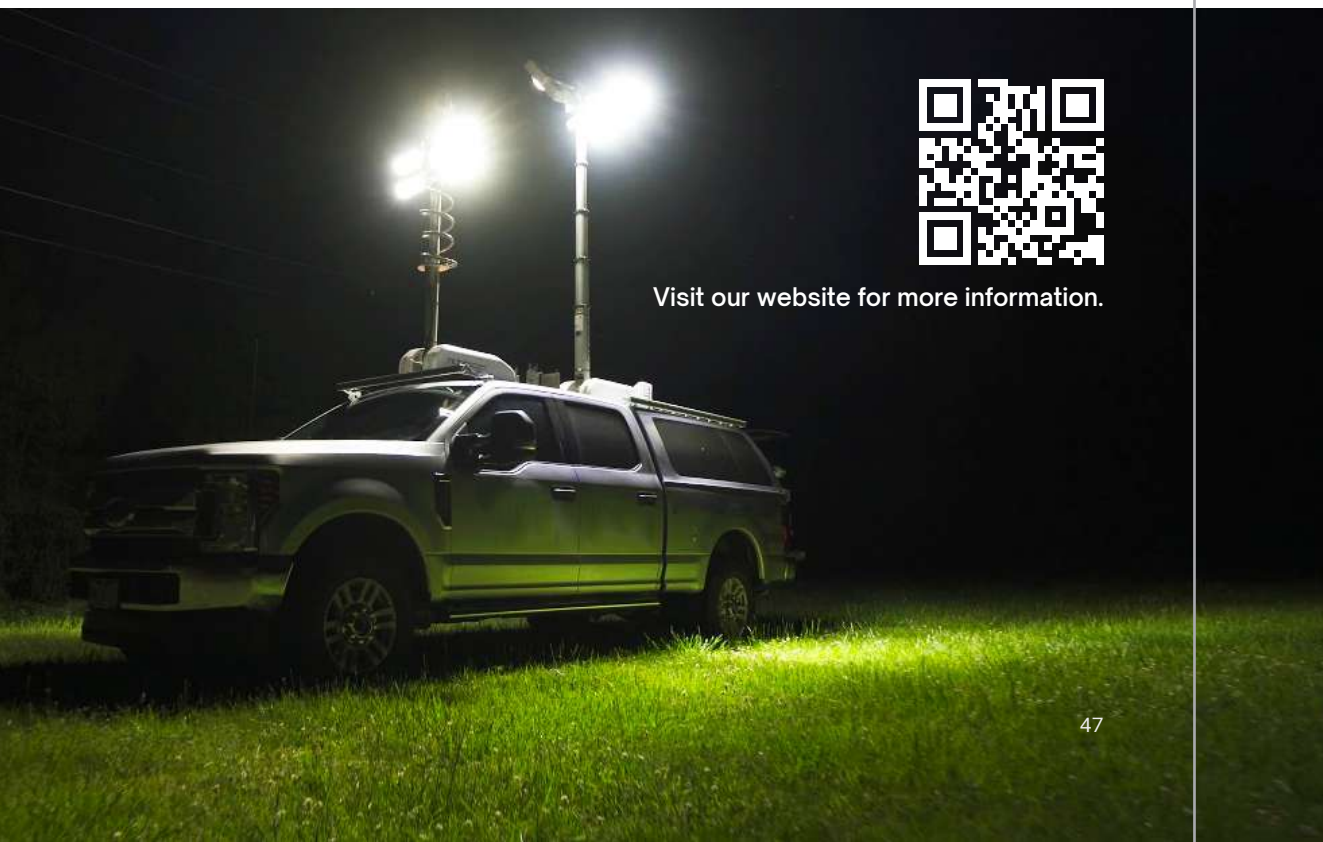
12 and 24 DC options are available for vehicle electrical systems, 110 and 220 VAC options are available for vehicles with onboard generators.

### Choose the tower remote control that best suits your needs.

Wired controllers, panel-mounted controllers, and wireless controllers are available.

### Finally, what options are needed?

Most Night Scan light towers have warning flashes and video cameras.



Visit our website for more information.



[masttech.com](http://masttech.com)

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