A BRIEF SELECTION OF OVER 1400 DIFFERENT TYPES OF MASTS AVAILABLE . . .
We are launching some new innovative products to our ever expanding range of masts.

We are now offering extremely strong steel winch up box section masts, fibreglass masts and lightweight carbon fibre mast systems.

We have also launched a large extra strong mast support frame system for mobile on site deployment of masts up to 250mm.
PORTABLE MASTS

Extending between 2m and 20m in height, our pneumatic portable masts are available in three base tube diameter sizes: Ø66mm, Ø80mm and Ø101mm. Each mast is constructed from 2mm anodised aluminium and therefore very robust. The masts come complete with integral hand pump, full 2 year guarantee, clampable collars, quick release air outtake valve and head load adapter.

Also available with a fixed bolt down base. Please order with mast.
<table>
<thead>
<tr>
<th>Base Tube Diameter</th>
<th>Extended Height</th>
<th>Retracted Height</th>
<th>Number of Sections</th>
<th>Max Head Load</th>
<th>Weight with Hand Pump</th>
<th>Product Code</th>
<th>Top Tube Diameter</th>
<th>Weight</th>
<th>Top Tube Diameter</th>
<th>Weight</th>
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<th>Top Tube Diameter</th>
<th>Weight</th>
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<tr>
<td>Ø 66mm or 2' 5/8&quot;</td>
<td>2.963 / 9' 8 3/4&quot;</td>
<td>1.070m</td>
<td>4</td>
<td>16kg</td>
<td>6kg</td>
<td>CP54-11</td>
<td>Ø 45mm</td>
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<td>8kg</td>
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<td>9kg</td>
<td>CP56-05</td>
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<tr>
<td>Ø 66mm or 2' 5/8&quot;</td>
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<td>11kg</td>
<td>CP56-07</td>
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<td>6kg</td>
<td>11.5kg</td>
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<td>6</td>
<td>11kg</td>
<td>16.5kg</td>
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<tr>
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<td>12.028 / 39' 5 1/8&quot;</td>
<td>2.305m</td>
<td>7</td>
<td>7kg</td>
<td>19.1kg</td>
<td>CO57-08</td>
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<td>Ø 80mm or 3' 1/8&quot;</td>
<td>13.023 / 42' 8 1/2&quot;</td>
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<td>6kg</td>
<td>20kg</td>
<td>CO57-09</td>
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<tr>
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<td>2.775m</td>
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<td>5kg</td>
<td>22kg</td>
<td>CO57-11</td>
<td>Ø 38mm</td>
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</table>
Please consult our technical team when purchasing a mast with your head load size and weight. They will be able to assist you with guying, windage and deflection charts to ensure we supply you with the right kit for your individual requirement. Remember to order a lubrication set, see page 24.
PORTABLE MASTS IN USE

Call the Total Mast Solutions customer service team now on +44 (0)1509 416972 to discuss how we can best help you.
www.totalmastssolutions.com  sales@totalmastssolutions.com
PORTABLE MASTS MOUNTING OPTIONS  
- a Brief Selection

NEW QUICK RELEASE/INTEGRAL TRIPOD – QPOD

Our strongest and most versatile tripod. 2 zinc plated versions are available- QPOD S has a retracted height of 1130mm and a 1100mm adjustable leg radius (weight 13kg) suitable for masts up to 12 metres or QPOD L has a retracted height of 1480mm and a 1500mm adjustable leg radius (weight 18kg) for masts up to 20 metres and some of our keyed mast range. 3 x Telescopic legs, a telescopic central foot and upper clamp receiver are included. Easy to deploy on uneven ground. Has 2 carabiners to attach weight bags. Integral or quick release from mast function. Quick release wheels are available.

QPOD S - £539.00  QPOD L - £548.00

Please remember to order a QPOD to mast adapter clamp - £39.00
A super strong Stainless Steel version of QPOD L and S is now available

Mast and tripod carry strap £21.00

QPOD ACCESSORIES

TRIPOD STEP SHELF

Constructed of aluminium tread plate, the step shelf simply attaches to the tripod for holding equipment, a step to access clamps or to install equipment on taller retracted masts. Available for

QPOD S - £97.50  QPOD L - £121.00

Weight 2.5kg  Weight 5.5kg

QUICK RELEASE TRIPOD WHEEL BASE

1. Specifically designed to enable quick and easy movement of masts and can be used with masts with quick release integral tripod.

£159.00

Weight 3kg

420mm x 440mm x 170mm

Quick release double grab handle available £48.50

2. Optional Pneumatic wheel base also available £210.00

Weight 4kg

520mm x 600mm x 300mm
ADJUSTABLE DRIVE ON MAST MOUNT - ZINC PLATED

The fully adjustable drive on vehicle mounting system is ideal when the tripod mount is not convenient. Simply, drive on using front or rear wheel. The mounting post can be adjusted forward, backwards and side to side to allow level deployment of the mast and stowed flat when not in use.

Weight - 12kg
Size - 880 x 270 x 215mm.
£424.00

Upper support system available for increased stability £88.00

Soft ground spreader board £24.00
900mm x 300mm x 18mm

Padded drive on bag available - £98.00
PORTABLE MASTS MOUNTING OPTIONS - a Brief Selection

ADJUSTABLE TOW HITCH MOUNT - ZINC PLATED

1. Available for masts up to 115mmØ. The universal vehicle mounting system attaches to the tow hitch of any vehicle. It is fully adjustable for vertical deployment of the mast when parked on uneven ground. **£421.00**

Weight - 11kg  Size - 875 x 270 x 220mm.

Upper support system available for increased stability  **£88.00**

Padded tow hitch mount bag available  **£98.00**

2. Universal model available for a tow ball  **£531.00**

QPOD / DRIVE ON OR TOW HITCH COMBO - ZINC PLATED

If you intend to use a mast in a public place, we would strongly advise our tripod / drive on or tow hitch combo. The tripod occupies a large area and can be a trip hazard. Using a drive on or tow hitch mast mount will occupy a much smaller area. Supplied with one quick release mast mounting post that fits both systems.

Combined weight - 32kg.  **£834.00**

ADJUSTABLE BOLT DOWN MAST MOUNT - ZINC PLATED

It can be easily fixed to trailers or onto a suitable concrete base. For bigger/heavier masts extra lateral steel supports are available. Fabricated from strong steel box section and of rugged design, the entire assembly is zinc coated and the pivot is quick release or can be anti tamper (locked into position).

The mast can be stowed horizontally for transport. See this on a trailer, p20.

Weight - 12kg  Size: 450 x 450 x 870mm.  **£335.00**
LAMP POST/STREET FURNITURE MAST MOUNT

The mast mounting bracket that fits to all diameters and shapes of lamp posts, etc. Commonly used for traffic analysis, air quality and noise monitoring. Strong steel construction - fully zinc coated. Suitable for masts up to 4”Ø and up to 17m extended.

Weight - 5kg. £176.00
780mm x 220mm x 160mm

MOUNTING POSTS & WALL MOUNTING BRACKETS

Numerous wall mounting brackets are available and can come with spacers to allow masts to be mounted away from the wall to avoid overhanging soffits & guttering. The standard distance from a wall is 215 mm (8.5” in the UK) other sizes can be ordered—zinc plated. Weight - 5kg. £188.00

ALSO AVAILABLE...

GALVANISED BOX SECTION STEEL MOUNTING POSTS

These can be concreted into position then the mast is mounted on quick release brackets for rapid deployment. Many sizes available depending on the mast size.
PORTABLE MASTS MOUNTING OPTIONS
- a Brief Selection

MOUNTING CLAMPS
A large range of upper and lower mounting clamps are available for all diameter masts for easy installation to walls, vehicles, ISO containers, roof racks etc.

EXAMPLE PRICE FOR 101mm QUICK RELEASE WALL MOUNT BRACKET £82.00
EXAMPLE PRICE FOR 101mm LOWER MAST MOUNTING BRACKET £42.00
Quick release or fixed versions available

ROOF RACK CLAMPS
Useful for transporting a mast on your roof rack. The clamps are quick release and sold in pairs. A mast head protection cover should be ordered with this item to protect the mast in transport (see page 27).
Price example for a pair of 101mm roof clamps - £164.00

GRAB HANDLE FOR MASTS
These rubber handles make moving the mast around much easier, available to fit brackets on mast sizes 66mm, 80mm and 101mm Ø.
£23.00 excluding clamp
The HIPERPOD Range

HIPERPOD STANDARD & PREMIER FEATURES
- Simple to deploy by a single person in under two minutes
- Integral automatic tensioning guys for optimum stability
- Fully adjustable, peg-able feet for uneven terrain
- Integral tripod - easy to deploy in minutes
- Strong powder coated aluminium construction with 6 sections
- Strong tube collar clamps that do not damage tubes when tightened
- 3 x Telescopic fully adjustable legs with 1.96m diameter leg spread
- 3 x Pivoting peg-able feet with separate pivoting guying points
- Mast is fully rotatable when extended from base tube
- Strong quick release head load adaptor with 1/4 or 3/8 Whitworth thread or male end adaptors
- Top carabiner and steel cord to secure head load
- Padded carry bag included

HIPERPOD COMES WITH:-
1 x Mast with Integral Tripod
3 x Adjustable telescopic peg-able Feet
1 x Equipment Carry Bag
1 x Padded Mast Carry Bag
1 x Stabilisation Weight Bag
1 x Magnetic Spirit Level
1 x Guying Set with Carabiner plus guy adapter
3 x Guy Ropes Tension Cleats
3 x Cable Management Straps
3 x Ground Stakes & Mallet
1 x Quick Release Headload Adaptor

Key Points:-
- Powder-coated aluminium for the Standard and steel for the Premier
- Lightweight
- Portable
- Affordable
- Multi-function
- Durable
- Adjustable Footprint

OPTIONAL ADDITIONAL EQUIPMENT:-
1 x Stand on Stabilisation Stirrup Foot Strap Set £33.50
1 x Quick Clamp, Flexi Arm and Screen Bracket £30.00
3 x Weight Bags £43.50
3 x Ground Spikes £14.75
3 x Soft Ground Spreader Plates £47.60
1 x Antenna Adapter 25mm x 300mm £45.00
1 x 1 metre Mast Height extender £64.00

Due to the Hiperpods light weight and compact size it has proven to be very popular across the world with search and rescue organisations, professional communications companies, emergency lighting plus much, much more. Extremely easy to set up and operate making the Hiperpod ideal for fast deployment.
LIGHTWEIGHT PUSH UP MASTS
with integral tripods

PERPOD Standard

- Robust aluminium construction
- Extended height up to 7.3m
- Retracted height 1.6m
- Product weight 7.5kg
- Max. head-load 3.5kg
- Base tube diameter 45mm
- Tube wall thickness 1mm
- Air cushioned for smooth safe retraction
- Fully adjustable legs

£640.00

PERPOD Premier

- Sturdy steel construction
- Extended height up to 7.3m
- Retracted height 1.73m
- Product weight 11.3kg
- Max. head-load 10kg
- Base tube diameter 50mm
- Tube wall thickness 1.5mm
- Option of internal cables
- Fully adjustable telescopic legs

£795.00
KEYED MASTS – A BRIEF EXPLANATION

All our keyed masts are built by our expert craftsmen using the best quality materials. The tube wall thickness ranges from 3.5mm minimum to 6mm. This gives maximum strength and durability. They are fully anodised for protection even against the most harsh of elements. Each mast is thoroughly tested in our quality control department prior to dispatch ensuring complete customer satisfaction. Many masts can be supplied with internal spiral cables - numerous types are available - see p25.

We have over 950 different sizes in our range and can also rapidly design and build special sizes on request. All our masts can withstand the most severe of weather from arctic conditions through to the heat and sand storms of a desert. The working temperature is -30 degrees to +60 degrees Celsius.

All systems come with a quick release air intake valve and an over pressure auxillary air outtake valve as standard. We guarantee our masts for 2 years and the supply of spare parts for 15 years. Our group produce over 10,000 masts a year and this scale of production ensures we are the most competitive mast manufacturer on price. Rapid delivery of quality products ensures we are the trusted supplier to military, governments, fire & emergency services, the communications industry, security companies and many other applications. All masts are clear anodised as standard (silver). Other anodised colours also available.

Hundreds of different retracted and extended heights available up to 40m / 131ft
KEYED MAST ACCESSORIES

MANUAL MAST ROTATIONAL HAND WHEEL
Supplied in 2 halves. They simply clamp around the mast to give manual mast rotation. Available for all diameter of keyed masts.

KEYED MAST WALL MOUNTING BRACKETS
These make fitting a keyed mast to a wall or other structure very easy. Upper and lower mounting bracket available. Reinforced versions are available for larger diameter masts. These brackets feature an inner PTFE slip ring to allow mast rotation facility.

LOWER MOUNTING BRACKETS
The lower mounting bracket is available in all keyed mast sizes. Constructed from zinc plated steel.

ROTATING GUYING EYES
Commonly used on keyed masts with mast rotation function to stop guys from rotating with the mast. Sizes and prices vary depending on the mast they are used on. Please contact us for further details.

ROOF MOUNTING BEARING/BRACKETS
Supplied in 2 halves. These brackets simply clamp around the mast. They have pre drilled bolt holes for fixing the mast to roofs of vehicles. There is a PTFE slip ring on the inner face to allow the base tube to rotate. All of our masts have a rubber seal ring fitted as standard that can be slid down to the roof bearing to form a water tight seal. These roof bearings are available in sizes for our whole mast range.

PRICES FOR THESE ITEMS ARE SUBJECT TO THE RELEVANT MAST DIAMETER PLEASE CALL FOR MORE DETAILS
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<tr>
<th>Base Tube Size</th>
<th>Extended Height (m)</th>
<th>Retracted Height (m)</th>
<th>Number of Sections</th>
<th>Max Head Load Weight</th>
<th>Mast Weight</th>
<th>Product Code</th>
<th>Top Tube Diameter (mm)</th>
<th>Classic or Standard Model</th>
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<td>6.4kg</td>
<td>CZ33-01</td>
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<td>Standard</td>
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<td>Ø 77mm</td>
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Prices for Compact masts are the same as Standard masts.

A new range of super strong masts are now available with super strong collar clamps which will allow up to an impressive 500kg head load. Contact us for prices.
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<th>Base Tube Size</th>
<th>Extended Height (m)</th>
<th>Retracted Height (m)</th>
<th>Number of Sections</th>
<th>Max Head Load Weight</th>
<th>Mast Weight</th>
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We also sell a portable mast lifting/pivoting crane to manoeuvre masts up to 250mm

‘Keyed’ refers to the keyway which runs the entire length of the mast to prevent the tube sections from turning independently. The entire mast can be rotated from the base, or a separate rotation device can be mounted to the top tube.
POPULAR & VERSATILE SYSTEMS...

The mast is fixed into the roller carriage with a quick release clamp enabling rapid removal when deployed away from the vehicle onto a tripod. Comes with tow hitch mast level assembly, full instructions and fixing kit. Fits to the nearside of a standard vehicle’s roof rack for easy, safe deployment.

MANY DIAMETERS AND MAST HEIGHTS ARE AVAILABLE WITH THE FAST MAST SYSTEM UP TO 20M/65FT

(PLEASE SEE P4&5 FOR EXAMPLES OF MAST SIZES)

OUR MOST POPULAR SYSTEM

17m / 55.77ft Fast mast roof roller box system complete with mast and tow hitch assembly £2,950.00 plus mast price - Fixing kit and stand pump are included.

See the demonstration video on our website
UNIVERSAL FAST MAST 
ROOF ROLLER BOX SYSTEMS

AVAILABLE FOR THE FOLLOWING MAST DIAMETERS
115MM OR 4.52”
152MMØ OR 5.94”
200MMØ OR 7.9”
250MMØ OR 9.76”

OUR MOST POPULAR SYSTEM
26m / 85.30ft Universal fast mast roof roller box system complete with 152mm mast, tow hitch assembly and compressor
£4,160.00 plus mast price

Full user training with certificate available for all systems FREE of charge
TRAILER MAST SYSTEMS

LIGHTWEIGHT TRAILER (LAY FLAT TYPE)
SUITABLE FOR MASTS UP TO 12 METRES
IN THE 101MM Ø RANGE AND A
LIMITED RANGE OF KEYED MASTS

Fully built with pivoting base & support, outriggers, jacks, aluminium decking & lockable storage box £2,980.00

Flat pack version for self build / export customers, complete with trailer, pivoting base & support, outriggers, jacks & aluminium decking £2,730.00

Prices exclude mast – choose a mast to suit your application
See p4, 5, 16, 17 for mast examples and check with us for suitability

MEDIUM TRAILER (PIVOTING FRAME TYPE)
SUITABLE FOR MASTS UP TO 20
METRES IN THE 101MM Ø RANGE
& UP TO 15 METRES IN THE
115MM Ø RANGE

Fully built with galvanised pivoting frame, outriggers, jacks, aluminium decking & lockable storage box £3,480.00

Flat pack fully galvanised tubular version for self build/export customers, complete with pivoting frame, outriggers and jacks- £1,540.00

SUPER STRONG TRAILER
MAST SYSTEM

Fully galvanised twin wheel trailer (3m x 1.7m bed), braked with overrun, aluminium decking, 4 x outriggers with manual jacks, full electrics, lights to UK standards, spare wheel, fully galvanised pivoting mast deployment frame, 1 x onboard steel lockable equipment storage box, 12V 173ltr/min compressor, battery & charger & full guying set. Fully built £7,950.00 plus mast price

Flat pack version for self build / export customer – excluding trailer & steel lockable equipment storage box £4,800.00 plus mast price

Please remember to ask about our guying sets when ordering a trailer system as depending on the mast, one or two sets will be required
Additional to our diverse range of Portable and Keyed mast systems, we also supply specialist masts for particular applications.

1. **AQUAMAST**
The patented system Aquamast is a brand new product to our range. It enables fire control in high buildings and in smaller streets, where larger fire trucks do not have enough space to enter.

2. **AUTOMATIC ROOF MASTS**
Roof masts can be operated either manually or electronically. The manual roof masts are easily mounted on the vehicle roof and can be 90° tilted, manually or electrically. Our automatic roof masts can be operated via a wired or wireless handset to control and rise to vertical and extend functions. They have an inbuilt compressor and internal wire within the mast to power the lamps. 12V or 24V versions are available. (See the roof mast on the front cover).

3. **MECMAST**
The MecMast is the new mechanical telescopic mast driven by an electrical motor. The MecMast provides an excellent solution for specially designed antennas, cameras and other specific equipment used for Communications and Surveillance. The mast requires no guying and can support heavy top loads up to 500kg.

4. **INVERTED MASTS**
Our masts can be used inverted (downwards) by utilising a winch and guy ropes - usually while mounted on a QPOD or fixed to a structure. They have proved an invaluable tool within the offshore oil industry as they are used for underwater inspection and installation monitoring without the need for a diver entering a very dangerous environment. They are also used in other industries for inspecting inside shafts, vessels and pipes. Portable masts of any size can also be inverted using our standard QPOD with an adapter kit.

We are constantly receiving new and interesting applications for telescopic masts. We have the capability to rapidly design and build a system that is specific to your requirements.
We offer a wide range of mast systems to accommodate many applications. We can produce specialist systems to suit the individual client’s requirements.

**LIGHTING MASTS**

Our lighting systems are light weight, portable and simple to operate making them the ideal solution for a vast array of industries including:

- Event and crowd lighting
- Site lighting
- Sports pitch lighting
- Temporary street and car park lighting
- Incident and accident lighting
- Emergency services lighting

As well as the portable systems we can also design and manufacture bespoke vehicle, trailer and fixed lighting mast systems. Our expert design team work closely with the client to assist in designing a turnkey system for any lighting project.

We also have an extensive selection of floodlights and power sources available from specialist suppliers that we work closely with enabling us to offer the customer the complete solution.

**LASER SCANNER MASTS**

We have been working closely with world leading 3d laser scanning companies to produce a Custom made mast system to aid in the use of scanning. Our systems have proven to significantly help when laser scanning buildings and large areas. Please call our team to discuss your individual scanning application.

**WIND TURBINE AND RENEWABLE ENERGY MASTS**

Our mast systems can now be coupled with a wind charger and solar panels to create a portable renewable station. rapid deployment means the mast can be erected in less than a minute. Weither it be for mobile lighting or to generate onsite power we can help you with your requirement. Our mast systems can now be coupled with a wind turbine and solar panels to create a portable solution.

**ANTENNA AND COMMUNICATION MASTS**

Ranging from 3-40 metre masts we are able to provide a suitable system for antenna mounting. We can offer extremely strong masts to mount larger antennas or portable systems for HAM radio antennas. We already supply some of the world leading communication companies with mast systems to aid their businneses.
MAST ACCESSORIES

12V, 73LTR/M COMPRESSOR

Size: 27cm x 21cm x 11cm. Weight: 5kg.
This robust oilless twin cylinder 12 volt - 30 amp compressor delivers an impressive 73ltr/m air flow, has a thermostat overload protector and is suitable for masts up to 152mm (or 6”) diameter. It comes with an 8 metre quick release coiled air pipe with a pressure gauge/regulator and air outtake valve for mast retraction. It has a 2.5m cable with inline fuse and crocodile clamps for attaching to a standard vehicle battery or alternatively to automotive jumpstarters/inverters. A carry case is also included. £297.00

Note - A 173ltr/min compressor is also available for larger masts with remote handsets - £675.00

Available in 12 volt (60 amp max) or 24 volt (32.5 amp max)

Numerous other compressor types are available and we stock a full range of air pipe and parts.

STAND PUMP

Free standing pneumatic hand pump can be used with all mast systems. Zinc coated steel base. Comes with a quick release air valve adapter and non return valve. £166.00

Full range of air parts and accessories available please see our website for the full range

INTEGRAL LAPTOP TRAY

These can be attached to any of our mast systems and are quick release. The laptop tray is formed from robust stainless steel and acts as a platform for your equipment. When ordering this with a Q Pod please let us know as a special bracket will be required.
The QPod S version fits into the mast adaptor bracket
The QPod L version features a sliding bracket that fits to any of the 3 legs to position the tray in a comfortable viewing position for the user.
505mm (19¾”) x 350mm (14”), 3kg £137.00
MAST ACCESSORIES

ROBUST WEIGHT BAGS
Specifically designed to fit a standard 25kg bag of sand / aggregate inside. They have two strong webbing bands each with four loops to either secure onto a tripod leg or attach a guy rope to when deploying a mast on hard ground - a set of 3 is recommended. £18.50 each
We also stock fold away water bladders to use in our weight bags £11.50 each

MAST & TRIPOD CARRY BAGS
- Various sizes available
Formed from robust padded material these bags make transporting the mast easy and are also useful for protecting the mast during transport. Rigid flight cases also available to order.
Mast Bag prices starting from - £78.00
Tripod Bag starting from - £70.00
Please contact us for more details

OPEN CABLE CLEATS
These allow rapid installation of cables and retain them neatly against the side of the mast.
2 versions are available, 40mmØ and 80mmØ internal diameter – zinc plated
40mm - £9.40 each  80mm - £16.00 each

GUY ROPES
Generally masts only need top section guys but for taller masts a 2nd or in some cases a 3rd set may be required. Available in 9m, 12m, 15m, 21m, 30m Set of 3 EXAMPLE PRICE - 21m £92.00

MAST LUBRICANT KIT
Comprising of 2 types of lubricant. One is a specifically formulated grease to lubricate all internal parts of the mast when servicing. The other is a restoration lubricant, formulated by TMS to provide a simple solution to re-grease the inside surfaces of an aluminium pneumatic telescopic mast without having to return it to the manufacturer or fully dismantle the mast. The restoration lubricant’s unique chemical composition means that it can be used on almost any mast including those with a natural rubber air seals, as well as our masts which use synthetic rubber air seals. It is a cost effective remedy to rejuvenate your mast. £43.00
MAST ACCESSORIES

TRIPOD SPREADER PLATE
Stainless steel plates useful for deploying tripods on soft ground. Comes as a set of 3.
Each plate weighs 750gms, 220mm x 160mm
£52.00

ANGULAR GROUND STAKES
Angular zinc coated steel stakes for securing guy ropes.
Set of 3  565mm £62.00, 750mm £72.00

GROUND STAKE REMOVER
designed to lever ground stakes out of soft ground with ease, comes with a spreader plate
Weight 6kg length- 144cm £96.00

TRIPOD STAKES
Angular zinc coated steel stakes for securing tripod legs and guy ropes.  Set of 6  330mm £54.00

ANTI CLIMB SPIKE
Protects against malicious tampering and safeguards valuable head loads.
£62.00

INTERNAL CABLES
We have a large range of internal spiralled cables with numerous cores and combinations of power / data / coax. These are not available for all masts. The cables terminate in a junction box at the mast base. £POA

1. AUXILLARY EQUIPMENT CARRY CASE
For guys, stakes and accessories, keeps your accessories tidy.
60mm x 28mm x 26mm and £29.00
2. Rigid Equipment flight-suitable carry cases available in various sizes.
Please contact us for prices.
1. **1M HEIGHT EXTENDER**

Available in 1 metre or 1.5 metre lengths and enables you to gain that extra height, fabricated from strong stainless steel.

1m - £83.00  
1.5m - £109.00

2. **ANTENNA ADAPTORS**

We stock a range of quick release adaptors to fix your equipment, such as antennas and Wifi boosters. They are made from strong stainless steel and the standard protruding length is 300mm but special sizes can rapidly be produced - a simple drawing is required. We recommend using a rotating guying eye adaptor with antenna adapters to allow you to rotate the mast for directional antennas whilst the guys remain static.

**EXAMPLE PRICE**  
23.75mmØ to 50mmØ, 300mm long  £68.00  
Rotating Guying eye price £19.00  
Many other sizes available

**SPECIAL MAST HEAD ADAPTERS**

Our fabrications team can rapidly produce custom made adapters for numerous types of specialist equipment. These are usually made from strong stainless steel. We can also manufacture adapters for multiple devices. Intermediate adapters can be attached on to the collars of a mast if required.

1. **3D laser scanner adapters**

We fabricate mast adapters for FARO, LYCA and all other laser scanners. Strong stainless steel. **£136.00**

2. **Yaesu rotator bracket** **£87.00**

**LATERAL EXTENDER**

This allows a camera or other device to be mounted 3 metres away from the centre of the mast. It is telescopic and produced from strong yet lightweight stainless steel and has two mounting positions for horizontal or vertical mounting. This has many applications but is mainly used for roof inspections to look behind parapet walls and chimneys etc. One tension able guy rope is used on the opposite end to the camera to create stability and counterbalance force. **£380.00**
MAST HEAD COVER WITH HAND PUMP COVER
Available for all masts, numerous sizes are available. It is used to protect the mast’s top sections when the mast is retracted and not in use, or when the mast is being transported on vehicles either vertically or horizontally. A pump cover for the integral hand pump is available.

Headcovers
Up to 5 sections  £36.20
6-12 sections  £58.20
Hand pump cover  £12.50

ANTI INGRESS / FROST / DUST PROTECTION SLEEVE
These can be used to protect the extended mast sections from rainwater / salt water entering the mast tubes or to stop the build up of ice on tubes and collars also to protect against dust / sand in desert conditions. Available for all diameter masts.
They come in 2m, 3.5m and 5m lengths to allow fitting to differing tube lengths and to allow guying where required. The different lengths can be easily identified by drawstring clamps:
Blue = 2m    Black = 3.5m    Yellow = 5m

Advisory note – Please be aware that these sleeves add to side loading (windage) and we advise that further guys may be necessary. Please talk to our sales team for more advice.
An ingress sleeve mast head adapter is available to form a water tight seal at the top of the mast.
EXAMPLE PRICE FOR 5M 101Ø MAST  £87.00

MAGNETIC LEVEL
Useful for levelling tripods, drive on and masts.  £9.50

LUMP HAMMER/RUBBER MALLET
Used for driving ground stakes into the ground. Rubber mallets, lump hammers and sledge hammers available.
Lump hammer:  £9.00
Rubber mallet:  £7.00
Sledge hammer:  £29.00
STANDARD PAN & TILT UNIT
This unit will achieve ultra smooth, accurate horizontal and vertical panning. It weighs 0.8kg and can hold up to 2.7kg. AC/DC operation. Commonly used for photography and video applications. A weatherproof cover is available as an additional item. 2 other items that should be ordered with this device are the camera ball head and a mast to pan and tilt adaptor.

Power Source: 4 x AA Batteries or 6V DC
Tilt Range: 30°
Pan Range: 340°
Weight: 800grams (28oz)
Size: L145mm x H115mm x W103mm
Max Camera Weight: 2.7kg

We strongly advise purchasing a second pan and tilt with handset as a back up because if damaged you will not be able to operate. £138.00

Waterproof cover for pan & tilt unit available £35.00

STANDARD BALL HEAD
Suitable for compact and light weight cameras. The plate has a ¼” Whitworth male thread and the base has a 3/8” female thread. £19.99

UPGRADE BALL HEAD
Engineered to perfection, with quick release plate for rapid removal of cameras or other equipment, integral spirit level, super strong clamps for heavier cameras, plate has 1/4 inch whitworth male thread, base has 3/8 inch female and comes with reducer insert for 1/4 inch. £38.34

PAN AND TILT ADAPTOR
Quick release mast to pan and tilt adapter allowing you to rapidly change equipment over if required. Double and treble adaptors are also available. Made from stainless steel. £48.00

FREE MARKETING PACK.
Contains a raft of useful information, marketing materials, full user training, certificate of competence and useful tips to get you off the ground.
WIRELESS CONTROL FOR SLR CAMERAS & PAN & TILT - CAMRANGER

With this unit you can fully wirelessly control DSLR cameras and if you purchase the wireless hub you can also operate the pan and tilt unit wirelessly all through an app on a smart phone or tablet. We recommend ordering an additional battery for back up. It will work up to 50 metres distance and its weight is around 250grams. It simply plugs into your camera and pan and tilt unit.

CAMRANGER UNIT £269.00
PAN & TILT CONTROL UNIT £119.00
SPARE BATTERY £28.00

Special features include:
Live view Image capture - Movie recording - Focus stacking - Intervalometre / time lapse - Touch focusing - View full resolution images - Change settings HDR - Wireless file transmitter

CAMRANGER WATERPROOF SUPPORT BAG
Specifically designed to support both the CamRanger and PT (Pan and Tilt) Hub (including wires) within a waterproof bag with drawstring access and velcro straps. Includes 1 x Quick Release Carabiner + Support Ring with Zip Tie for easy installation. £25.00

PHOTOGRAPHY CABLES
Fully pre protected with a machine applied braid covering. The cables are top quality and comprise of a pan and tilt cable with a 7 pin din plug – female end at the bottom and male plug at the top, a CAT5 data cable with 2 boosters which terminate with standard USB plug at the bottom and mini USB (standard for most cameras) at the top end. The cables come with a support ring at the top to alleviate stress on the camera and pan and tilt sockets.
21m - £112.50 31m - £143.00

QUICK CLAMP / FLEXI ARM AND BRACKET
Useful for attaching screens, cameras and other devices. The flexi arm is suitable for other hardware that you need to support hands free: £42.00
If you require a mast for a short period of time or would like to try before you buy, we have a selection of our most commonly chosen systems for hire. The various options give you the complete set of kit you will need and can be dispatched overnight. We are also able to tailor any system to your specific requirements.

- All systems can be either collected or dispatched overnight and come in strong freight boxes. Freight, packing and admin price is approximately £55.00 each way for UK mainland customers.
- Full user training available with certificate of competence for collections.
- Equipment dispatched in purpose made strong wooden crate with hinged lid to enable safe delivery and return.
- Easy payments – Credit card, bank transfer or PayPal – All prices are excluding VAT.
- A deposit will be required which is fully refundable on the return of undamaged equipment.
- Long term hire rates are available, please ask for further details.
- Experienced sales team for help and advice.

The systems available to hire are adaptable for many applications whether it be temporary lighting, wifi and mobile signal boosting, security monitoring and temporary communications.

DUE TO OUR HIRE SERVICE’S CONTINUED SUCCESS, HIRE A MAST WILL BE AVAILABLE THROUGH OUR AGENTS IN OTHER COUNTRIES VERY SOON.
## Telescopic Mast Rental Made Easy...

### MAST SIZES

<table>
<thead>
<tr>
<th></th>
<th>MAST SIZES</th>
<th>MAX HEADLOAD</th>
<th>PRODUCT WEIGHT</th>
<th>TOP TUBE DIAMETER</th>
<th>PRODUCT CODE</th>
<th>1 WEEK HIRE</th>
<th>2 WEEKS HIRE</th>
<th>3 WEEKS HIRE</th>
<th>4 WEEKS HIRE</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>7.3m Hiperpod Standard 45mm ø 1.590m Retracted</td>
<td>3kg</td>
<td>7.5kg Inc. Integral Tripod</td>
<td>25mm</td>
<td>HP7-6</td>
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<td>7.3m Hiperpod Premier 50mm ø 1.73m Retracted</td>
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<td>11.3kg Inc. Integral Tripod</td>
<td>25mm</td>
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<td>3</td>
<td>6m 80mm ø 1.460m Retracted</td>
<td>16kg</td>
<td>12kg</td>
<td>45mm</td>
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<td>17.5kg</td>
<td>66mm</td>
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<td>30kg</td>
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<td>80mm</td>
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<td>10.5m 101mm ø 1.700m Retracted</td>
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<td>32.8kg</td>
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<td>18m 101mm ø Trailer Mounted Mast System</td>
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<td>CM58-12</td>
<td>£459.00</td>
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### Mounting Systems
- Drive-On (12kg 880x270x215mm)
- Tow Hitch (11kg 875x270x220mm)

### Tripods
- C Pod (21kg 1490x160x190mm)
- Q Pod S (13kg 1130x210x140mm)
- Q Pod L (18kg 1470x210x140mm)

### Photography Package
Pan & Tilt Unit (Weight 0.8kg, Carries up to 2.7kg) + 21/31m Cables (Use your own camera)

### Weight Bags (Set of 3)
Please note that 6 bags may be required for taller masts

### 12v 73ltr/min Compressor - Weight 4kg

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Other systems available for hire including various height trailer mounted masts...
COMPANY PROFILE

Based in the heart of England, Total Mast Solutions have rapidly expanded and have a solid distributor network in many countries, supplying only top quality mast solutions to an increasing global customer base.

Ongoing new designs and development puts us at the forefront of our industry. We are constantly launching innovative and interesting solutions to meet our client’s requirements. We have the capacity to rapidly supply lightweight and affordable portable masts with a range of mounting options through to our Giant 10”Ø mast which reaches a staggering 40 metres for vehicle or other mounting applications. Amongst our prestigious customer base are military, emergency services, photographers and videographers, plus various government organisations worldwide. Such high profile work has ensured we remain the world’s premier supplier of pneumatic masts for hundreds of applications.

THE ROYAL VISIT

Our innovative work and expert capabilities were recognised when HRH The Duke of York, The Lord Lieutenant and Lord Mayor of Leicester visited us. We were able to display our product development and range with practical demonstrations and informal discussions. The Duke of York has a keen interest in photography and enjoyed his tour of our showroom and workshop.

ABOUT US

We manufacture an ever expanding range of over 950 high quality, pneumatic, telescopic masts. Numerous base tube diameter sizes are available along with every conceivable extended and retracted size increment between 2m and 40m to suit any application. We produce and consistently develop an extensive range of innovative mounting solutions and mast accessories, which can be tailored to suit your requirements. Express worldwide delivery, quality and affordability are key to our company ethos.

Call the Total Mast Solutions customer service team now on +44 (0)1509 416972 to discuss how we can best help you.

www.totalmastsolutions.com  sales@totalmastsolutions.com

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