

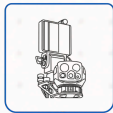
COST-EFFECTIVE, AIR-ASSISTED ELEVATION PLATFORM OPTIMIZED FOR URBAN ROOFTOP INFRASTRUCTURE AND RAPID MISSION-CRITICAL COMMUNICATION DEPLOYMENT.



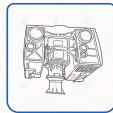
Electro-Optic



Radio COM



Integrated ISR System



Integrated C-UAS System



OUR USP'S

- Effortless hands-free elevation utilizing integrated ruggedized compressors to accelerate the deployment of mission-critical communication and surveillance arrays with zero manual labor.
- Delivers a high-performance, cost-effective alternative to complex electromechanical masts, offering a budget-friendly elevation solution for payloads in environments above -20°C.
- Optimized payload-to-self-weight ratio makes this the preferred choice for urban building rooftops and rapid "on-the-quick-halt" missions requiring high portability.
- Field-proven pneumatic design offers rapid retraction and deployment cycles, ensuring tactical teams can relocate immediately to maintain operational superiority in dynamic environments.

SALIENT FEATURES

- Versatile triple-actuation compatibility supports elevation via manual hand pumps, foot pumps, or automated compressors depending on the available mission power sources.
- Dual-reliability locking system offers both manual friction and positive locking collars to maintain deployed height indefinitely without requiring constant air pressure.
- Precision-machined internal keyways prevent telescoping sections from twisting, ensuring strict anti-rotation integrity for directional high-gain antennas and sensitive optical sensors.
- Integrated leveling system and gimbals ensure payload verticality on non-planar building rooftops, which is critical for maximizing signal propagation and sensor accuracy.



TECHNICAL SPECIFICATION

Model No.	Retracted (m)	Extended (m)	Head Load (kg)	Wind Area (m ²)	Material Grade	No. of Guy Ropes
Light Duty Mast						
PMPF-22T-1.3M-2M-10	1.3	2	22	≤ 0.25	AL / CF	-
PMPF-15T-1.7M-6M-20	1.7	6	15	≤ 0.25	AL / CF	3x2
PMPF-15T-2.5M-9M-20	2.5	9	15	≤ 0.25	AL / CF	3x3
PMPP-150V-1.1M-4.5M-10	1.1	4.5	150	≤ 0.7	AL / CF	-
Medium Duty Mast						
PMPP-250T-1.6M-5M-20	1.6	5	250	≤ 1	AL	3x4
PMPF-40T-2.8M-12M-20	2.8	12	40	≤ 0.5	AL	3x3
PMPP40V-2.5M-16M-20	2.5	16	40	≤ 0.4	AL	3x4
Heavy Duty Mast						
PMPP-50T-3.6M-18M-20	3.6	18	50	≤ 0.5	AL	3x4
PMPP-150V-2.2M-10M-20	2.2	10	150	≤ 1	AL	3x4
PMPP-25T-4M-25M-20	4	25	25	≤ 0.2	AL	4x5
PMPP-10T-4M-30M-20	4	30	10	≤ 0.2	AL	4x5
PMPP-XX-X.YM-XYM-XX	Custom product available on request					



ACCESSORIES

Base Plate | Nails | Pegs | Hammer | Guy Rope | Foot Pump | Erection Stand | Tool-kit | Carrying Case

AS 9100D Certified

PRECISION ELECTRONICS LTD.

"We always know who we are working for"

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