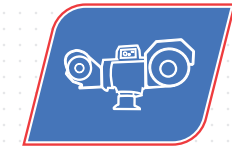




**RADIO
COMMUNICATION**



ELECTRO-OPTIC



SIGINT



PEL's **Nakul Series** of Manual Rotator Tilter (MRT) is a manual Pedestal which is typically mounted on PEL's Telescopic Masts (up to 25m high) and provides accurate manoeuvring & alignment of Radio Antenna from the ground via a rope and pulley mechanism. It incorporates an automatic locking feature designed to prevent any movement of the payload once the ropes are not being pulled in either direction.

OUR USP's



Designed for MIL
STDs



Self Locking Feature
Prevents Backlash



No Special Tools
Required for
Mast Installation



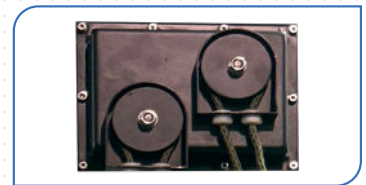
Operates Manually in
Azimuth and Elevation
via Ropes

Sailent Features

- Ideal for Directional Antenna Systems or Electro-Optic Systems
- Provides $\pm 180^\circ$ Azimuth rotation and $\pm 10^\circ$ Elevation
- Operates with rope and pulley arrangement with Auto-locking feature
- Supports operations in up to 80 kmph wind speeds
- No special tools required for MRT Installation on PEL Masts



Tilting Plate



Pulley

2+ Types of MRT
Developed

10+ Years of
Experience

100+ Production
Capacity per
Month

AS 9100D:2016 Quality certified
ISO 9001:2015 Manufacturing



TECHNICAL SPECIFICATIONS

MANUAL ROTATOR / TILTER (MRT)

Model No.	Payload (Kg)	Unit Wt (Kg)	Dimensions (mm)	Power Consumption	Rotational Range	Tilt Range	Positional Accuracy	Speed (RPM)	Control Data Interface	Wind Area (m ²)
MRT-25	25	15	200x 260 x 202 (W x H x D)	NA	Sector scan $\pm 180^\circ$	$\pm 15^\circ$	0.2°	NA	NA	0.3

CARRYING CASES: SOFT/HARD



Roto Mould/ FRP



Plastic Injection Moulding

PAYLOAD ADAPTER (OPTIONAL)



Dual Mounting

