



### GENERAL DESCRIPTION

6.5m self-supported telescopic mast, controlled from inside an armoured vehicle.

### APPLICATION

This mast is particularly designed for supporting heavy loads such as EW antennas.

Its remote controlled operation from inside the vehicle allows for deployment of antennas in snipers environment (mast fully automatic).

### CONSTRUCTION

In order to obtain the best compromise between weight and rigidity, mast pillars are made of FW carbon fibber reinforced Epoxy resin composite material which provides both lightness and high mechanical resistance.

All metallic parts are protected against corrosion.

### MAST MECHANISM

In order to meet the very severe requirements of military programs, COMROD has developed a telescopic mast with a belt drive system which controls the mast upwards as well as downwards. This is a unique feature for most of the telescopic masts get jammed during retraction.

Moreover, this system does not need to be air-proof or waterproof as dust, sand and water are circulating through the mast and evacuated through the bottom cap.

The LMT 362/6.5-3 is using the latest technology in belt-driven masts which give the following advantages:

Heavier top load capacity

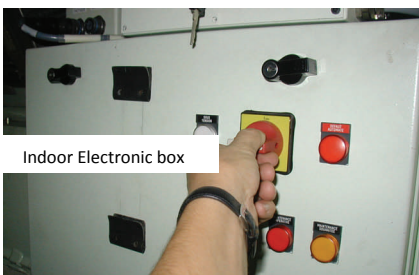
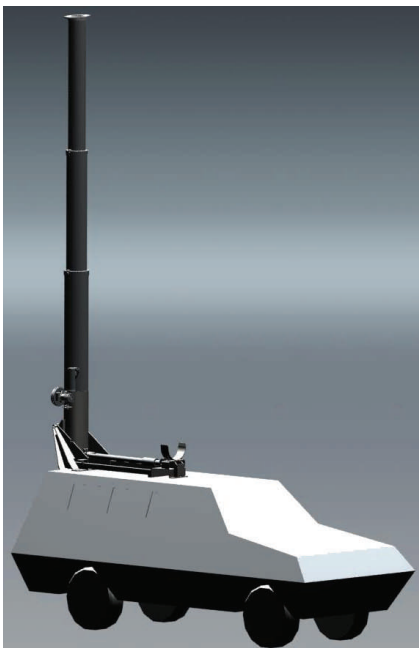
Belt fully inside the mast for better protection against U.V.

Easy maintenance

belt changed without dismounting tubes – Can be performed on the field

Tubes are deployed always in the same order

Multiple sensors allows for controlling deployment steps and verticality of the mast (alert system for personnel safety).



## MECHANICAL SPECIFICATION

Height (extended)	6.5 m (mast only)
Height above vehicle roof	650 mm
Max. headload	250 kg, 1.4 m <sup>2</sup>
Deployment:	
Tilt to vertical position	3 minutes
Mast extension	1 min 30 sec
Electrical feed	24 V/DC, 80 A
Emergency operation	A wheel is provided for manual operation in case of electrical failure
Wind:	
Operational	90 km/h
Survival	120 km/h
Pointing Accuracy	±1° (depending on headload)
Temperature range:	
Operational	-35° to +65°C
Storage	-40° to +70°C

## WEIGHT AND DIMENSIONS

Description	Weight	Dimensions
Mast with its platform	560kg	3000x900x650mm
Electronic Control Box	30kg	600x400x200mm
Remote control	2.5kg	85x440x80mm

## KIT CONTENTS

Description	Qty
Telescopic mast	1
Mechanical system for tilting, deployment and fixation to the vehicle	1
Micro sequencing device and Electronic control box to control mast and EW antenna (if applicable) deployment	1
Mast head Cable support	2
Emergency box	1
Accessories bag	1
Alert system in case of wind speed or slope exceeding	1

