



Electro Screw
Mechanical Mast
Product Albums





Electro Screw Mechanical Telescopic Mast

Product Album
Rev 04



Tianhe Telescopic Mast Factory Co.,Ltd.

www.telescopic-masts.com www.tianhemast.com

Tianhemast China: www.wz-th.com

Electro Screw Mechanical Telescopic Mast

Electro Screw Mechanical Telescopic Mast Model (Auto&Manual)					
Model Number	Extended Height(m)	Retracted Height(m)	Section Number	Payload Capacity(kg)	With Guy Rope Payload(kg)
MEE-60*5	6	1.74	5	60	65
MEE-60*6	6	1.56	6	60	65
MEE-80*5	8	2.21	5	55	60
MEE-80*6	8	1.96	6	55	60
MEE-90*7	9	1.8	7	55	60
MEE-100*6	10	2.36	6	50	55
MEE-100*7	10	2.14	7	50	55
MEE-120*6	12	2.76	6	45	50
MEE-120*7	12	2.48	7	45	50
MEE-140*7	14	2.83	7	40	45
MEE-160*7	16	3.17	7	40	45

MEE-90*7 110kg payload capacity successfully tested without guy rope.We recommend the loading according to model table when practical operating

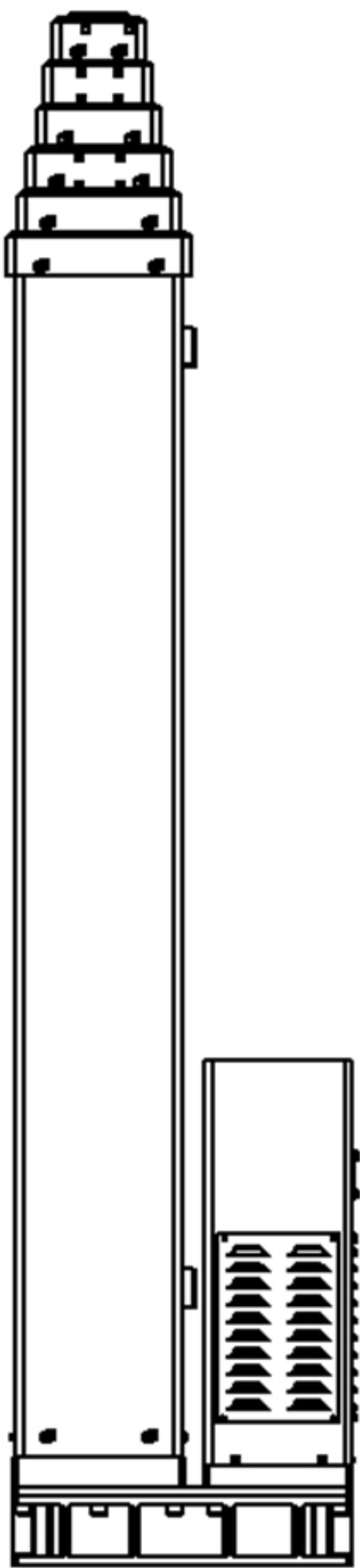
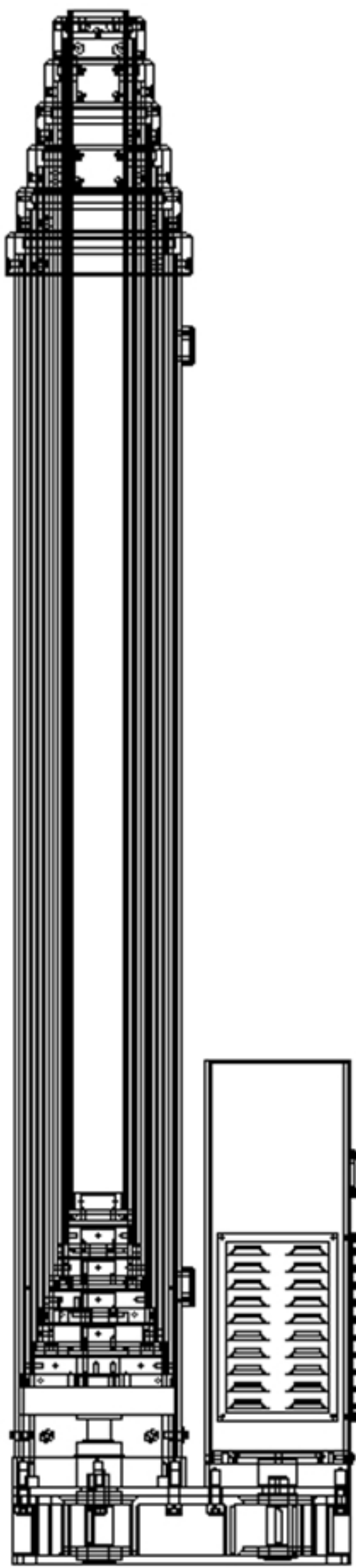
The Tianhe telescopic mast factory announces the development of high performed electro screw mechanical telescoping mast is a revolutionary screw-drive mast in elevation industry.

Tianhe electro screw mast is designed and suitable for illumination, communications, reconnaissance, and surveillance applications. The mast allows fixed installation or mobile mountings for trailer or special purpose vehicle.

Built with alloy aluminum 6005T5, which is high strength,well tensile rate,strong hardness status to composite tubes and mast collars.The electro screw mechanical telescopic mast is designed and tested to meet extremly environmental standards for operations in -50°to 80°conditions.

Tianhe MEE is a more rugged version of the pneumatic and winch mechanical mast. The payload capacity of MEE-90*7 can be easily up to 110 kg with guy rope.

The non-locking sections that is provided enhanced reed switch system to provide height read-out and control the mast tubes to the safety height from over extending.



Detailed Introduction of Electro Screw Mechanical Mast

1.guying line mounting stake

2.mast collar

3.mast body

4.reducer motor

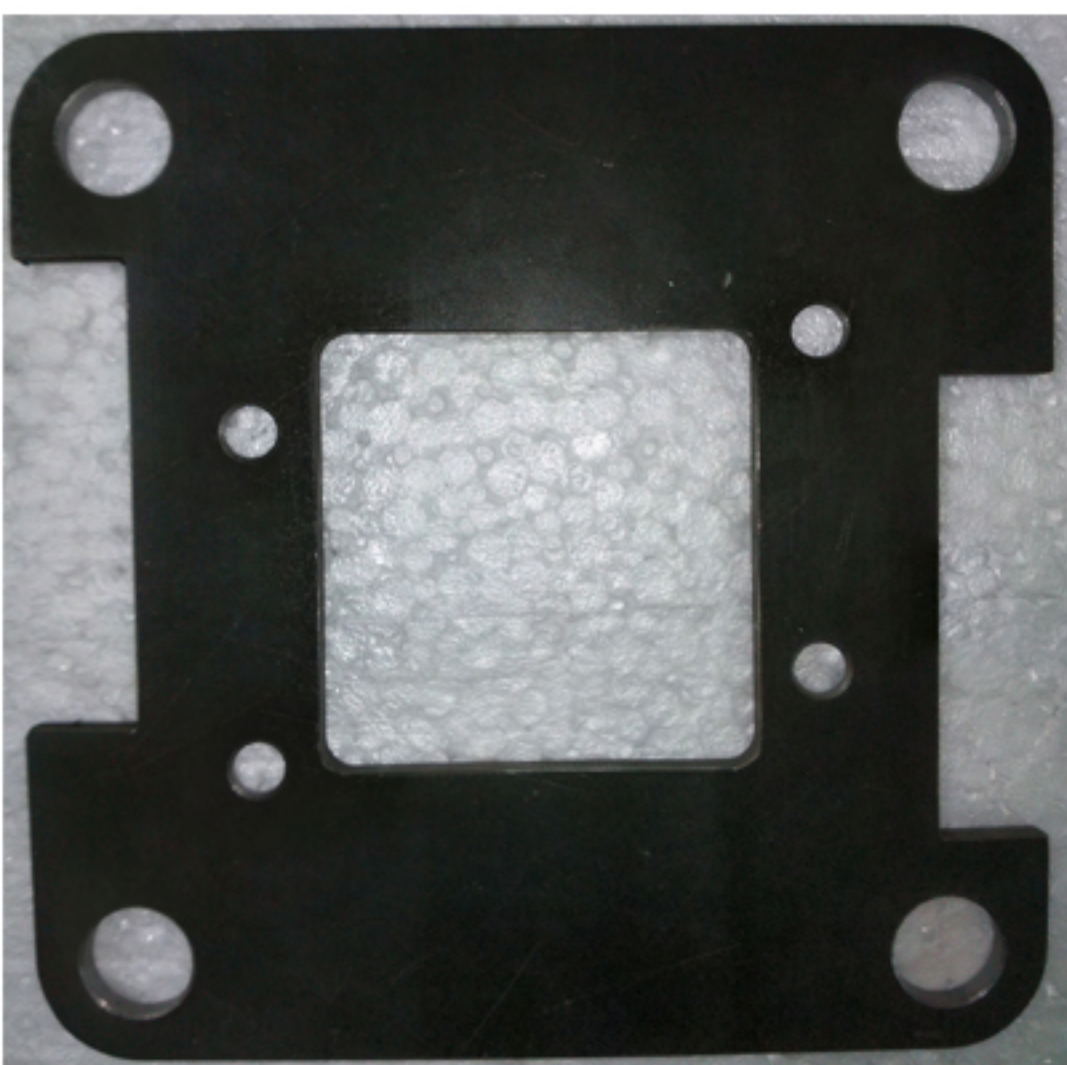
5.hand winch core

8.mast trapezoid screw
(inside the mast tube)

6.motor base

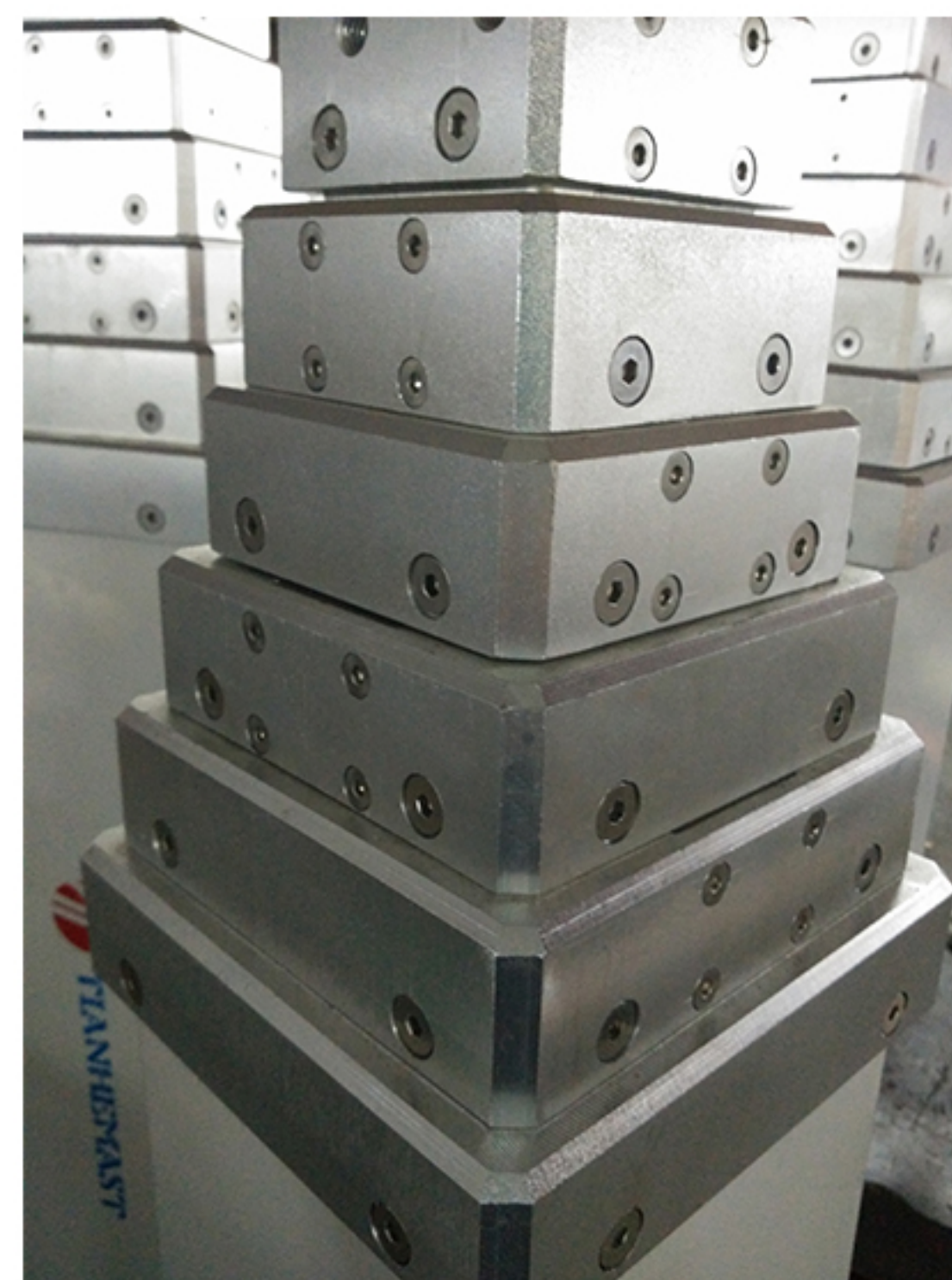
7.electro screw mast driving box

1.




1×4 guying lines (1layer
4 ways) mounted
stake,improvnig the
mast payload capacity
greatly!

2.



Wire ropes and pulley
system built inside the
mast collar to prevent
from bad weather and
extreme environment
made the collar look
more smooth.
Sand blasting,anodized
against corrosion and
acid rain.


3.



We exclusively use alloy aluminum 6005T5 to build the mast body and clear, the strength and hardness of this material is much better than all our rival's.

Mast body is anodized, heat-treated harden coat and plastic spraying

4.



Cycloid reducer

Big transmission ratio

Efficient transmission

Compact construction and small size

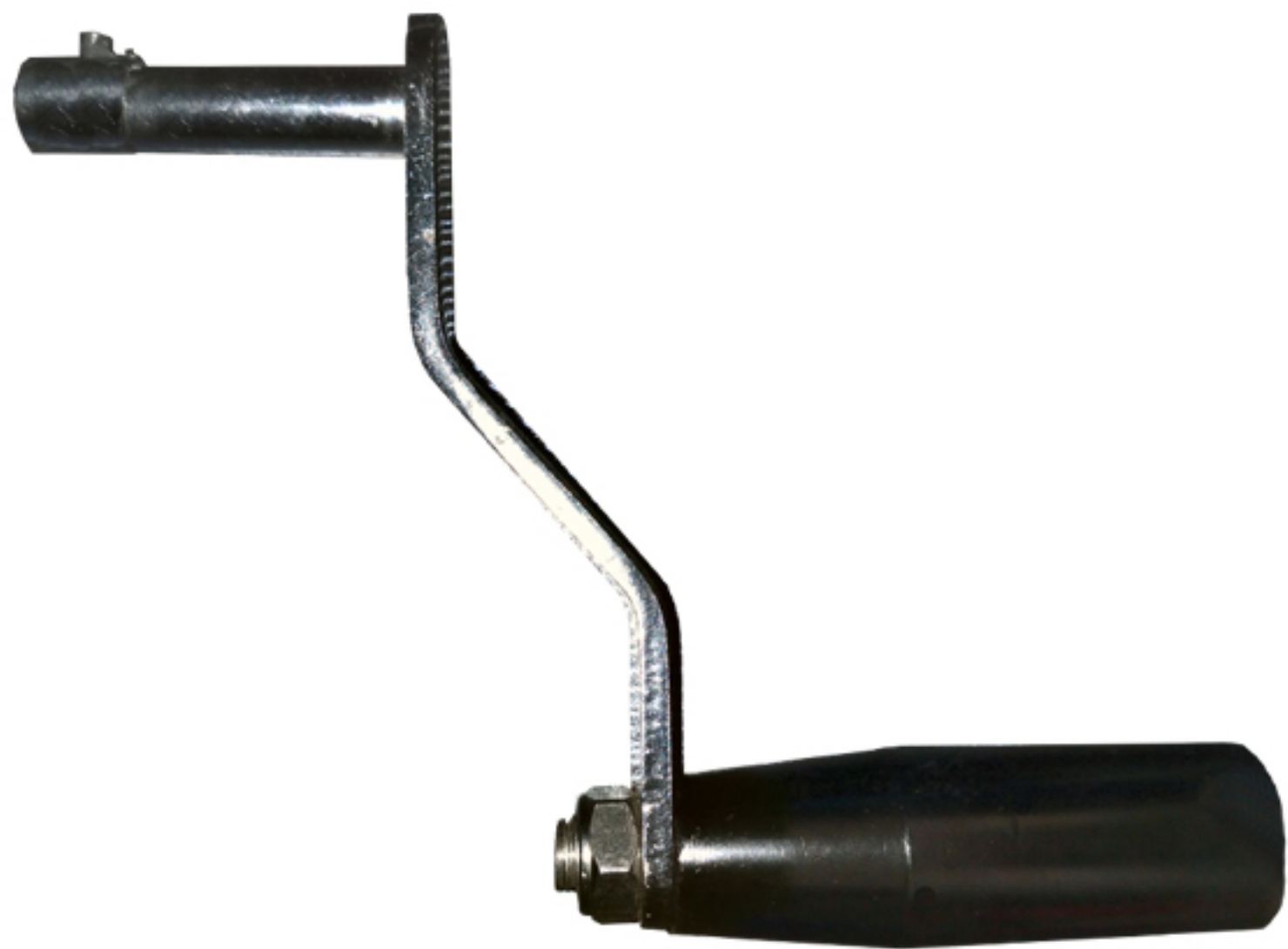
Few fault, long life

Smooth and reliable operation

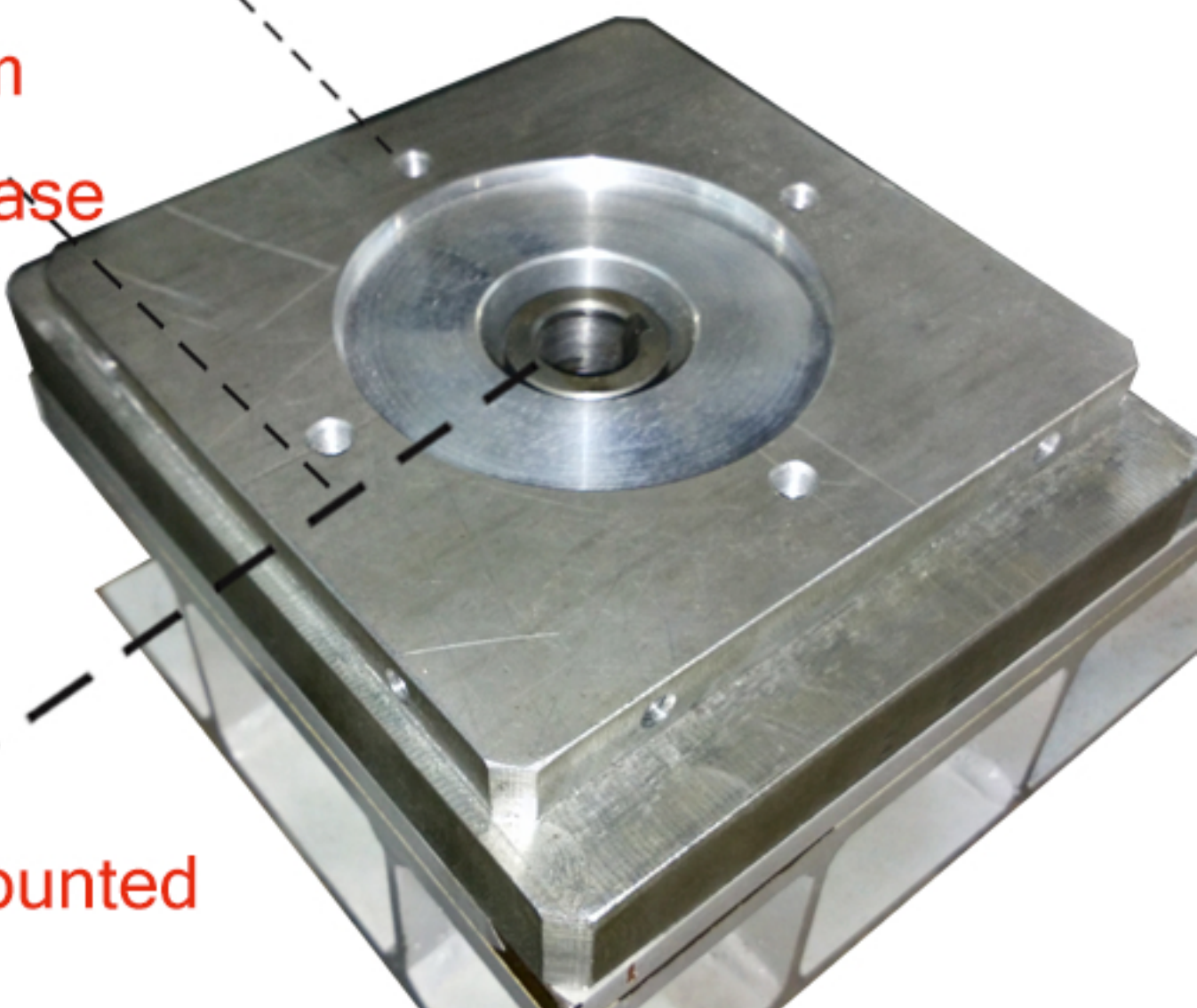
Strong overload capacity

The machine uses a special grease, suits temperature -50 ° to 80 °

5. The reducer motor can be operated by winch when the power is out.



6.



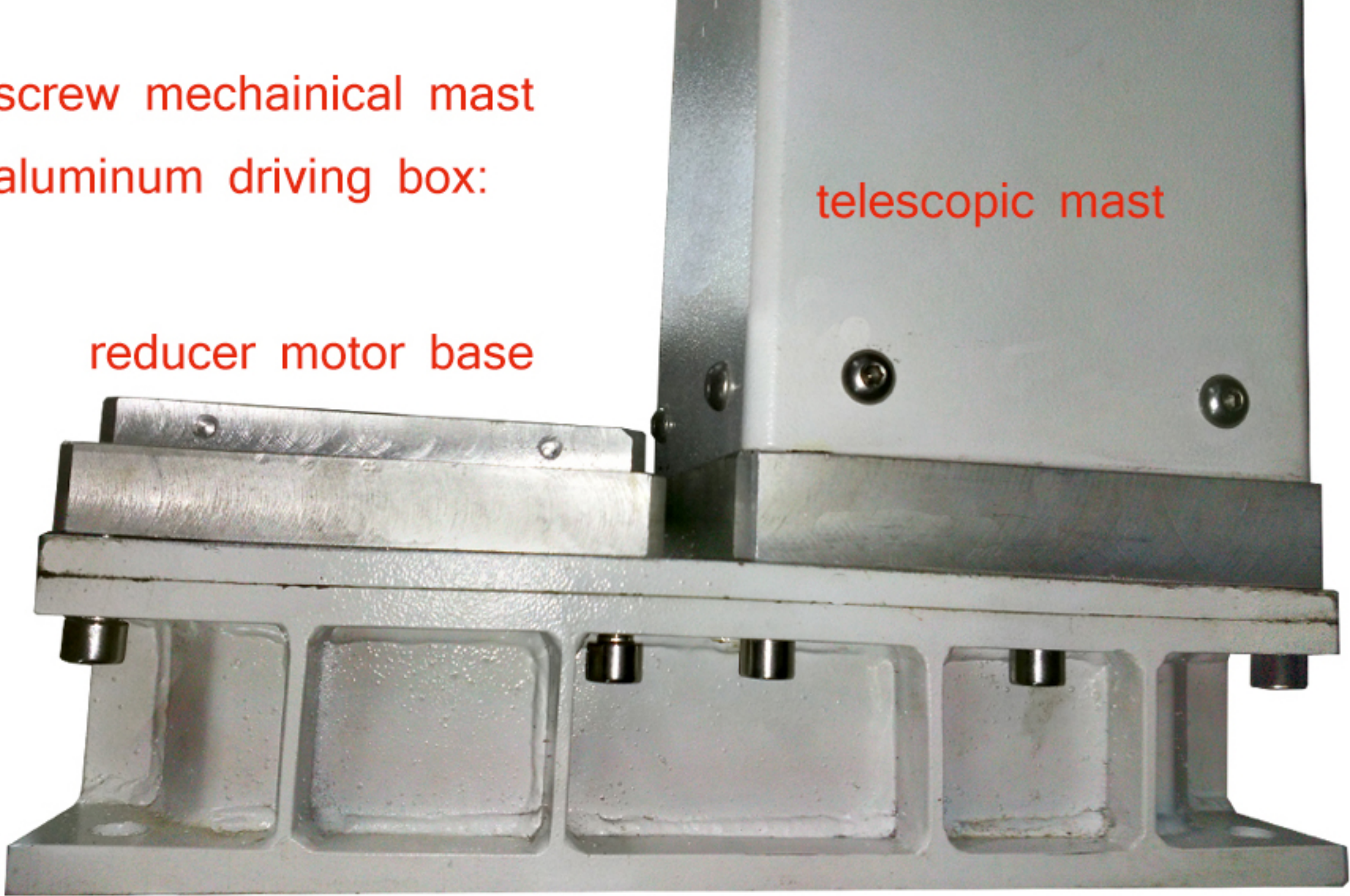
M8 screw to fixation

alloy aluminum reducer motor base

base without reducer motor mounted

7.

electro screw mechanical mast alloy aluminum driving box:




telescopic mast

reducer motor base

sideview:


driving box supply power from reducer motor to electro mast.

Fix the mast and reducer motor base to ensure the stability when they are working.



frontage:

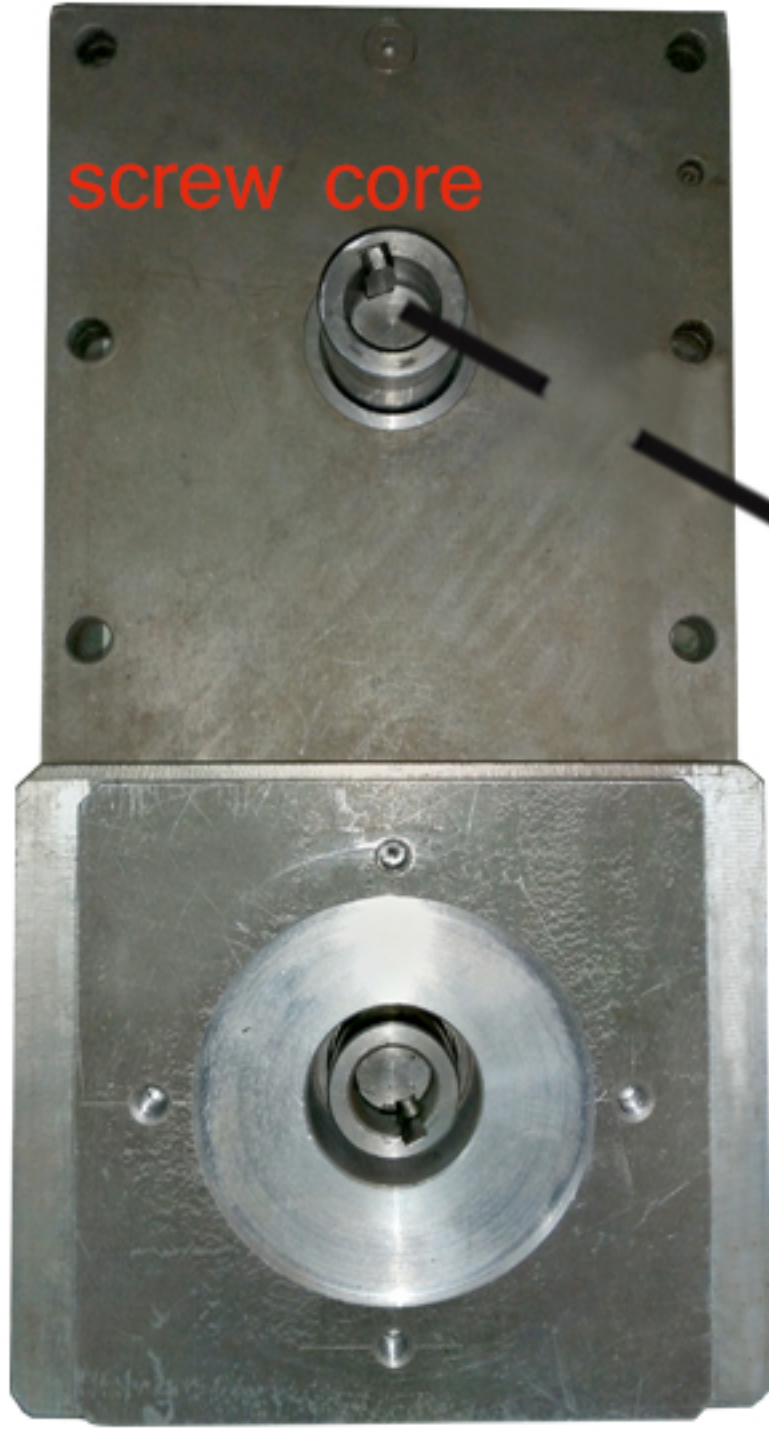
8.




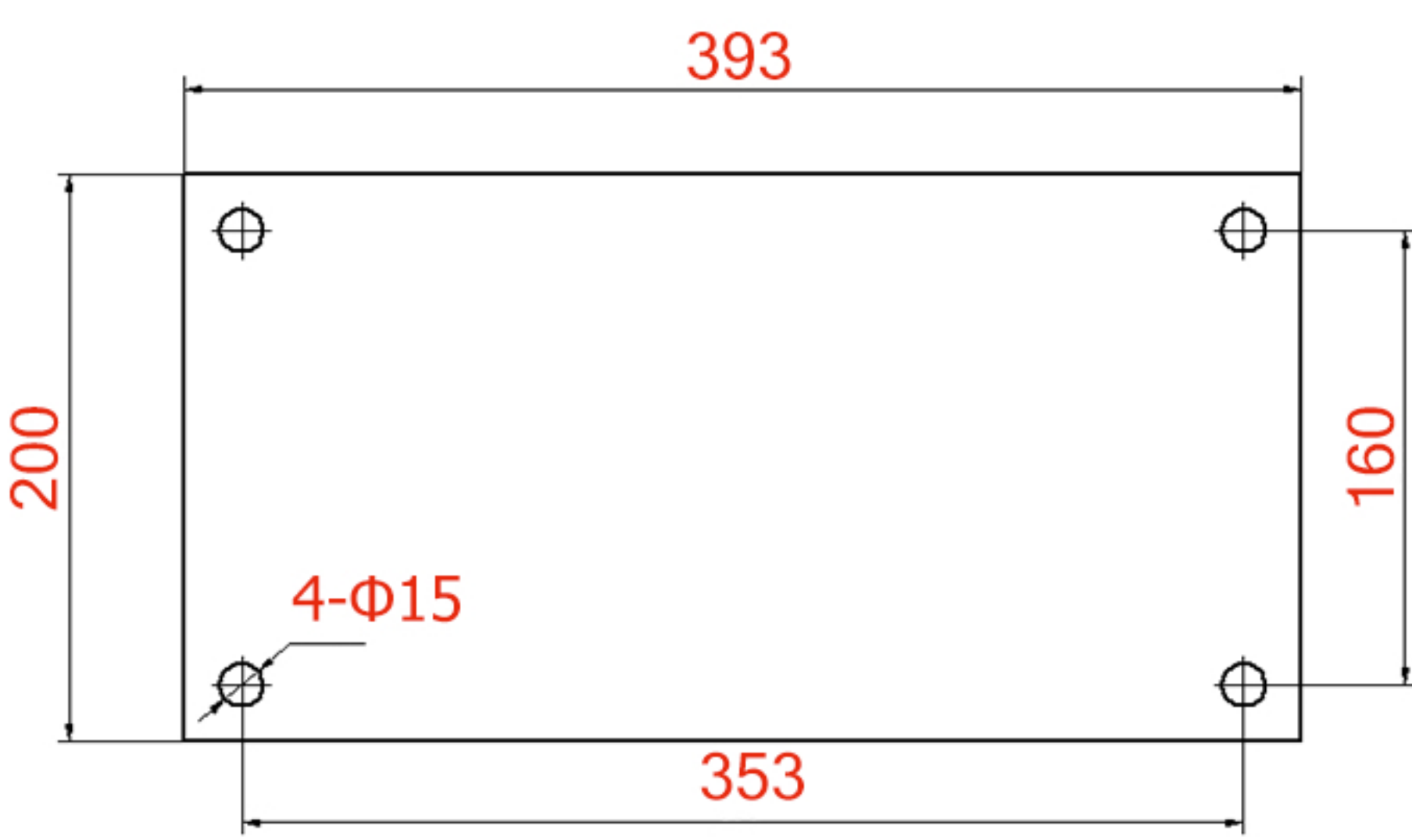
electro mast trapezoid screw

Driving box transports the power from reducer motor to trapezoid screw, the rotating of screw drives the elevation and subsidence of electro screw mechanical mast.

upside







393

200

160

4-Φ15

353

Base Mounting Dimension of MEE-90*7

