

MECMAST

- COMPACT
- WITH BRUSHLESS MOTOR



MECMAST COMPACT / MECMAST WITH BRUSHLESS MOTOR

The preservation of high-quality standards and the design of innovative mast systems which are reliable, long-lasting and at the same time easy to use have always been the main objectives of Fireco's research activities.

We are passionate about creating cutting-edge solutions. What inspires us most, is the idea of finding the perfect solution for virtually every application. That's why our engineers are continuously working on all product details in order to provide the industry not only with the most comprehensive, but also with the most versatile and customizable line of telescopic masts.

We are proud to present the latest results of this ongoing commitment to continuous improvement, the new electro-mechanical **Mecmast Compact** and the classical **Mecmast** in a new **product version with a brushless motor**.

MECMAST COMPACT



The Mecmast Compact is our engineers' answer to the growing demand for robust and precise mast systems with comparatively small retracted heights that can be installed on special vehicles. This new mast solution does not have collar rings between the sections. All tubes can thus be fully retracted.

The result is an extremely compact configuration in the folded state which makes this mast the perfect solution for innovative vehicle systems in the military business, e.g. Unmanned Ground Vehicles (UGVs).



MAIN FEATURES

- Standard design with base block with brushless motor.
- Sections can be equipped with sand scraper rings.
- PIN head that fully retracts into the mast.
- Locking keys inside the pistons leaving a smooth outer surface.
- Product design without stop tubes.
- Locking pins enclosed inside the pistons.

ADVANTAGES OF THE COMPACT DESIGN

- The locking pins enclosed inside the pistons give the mast a more rigid and robust design and diminish the torque.
- Increased lifting capacities:
 - 5.3m/min and lifting capacities of 300-400kg;
 - 3m/min and lifting capacities of up to 1000kg.

MECMAST WITH BRUSHLESS MOTOR

The brushless motor which is a key component of the new Mecmast Compact series, will also be available as a new product feature for the classical Mecmast. If compared with the regular Mecmast models, the versions with the brushless motor will give you some advantages the most important of which you can find listed below:



KEY ADVANTAGES OF THE BRUSHLESS MOTOR

- Considerable reduction of electrical noise.
- Higher performance efficiency.
- Power 1.4kW.
- Longer lifetime, as there are no brushes that would be subject to wear.

IMPACT OF THE BASE BLOCK WITH THE BRUSHLESS MOTOR ON THE OVERALL DESIGN

- More compact base structure giving us the possibility to have lower retracted heights (-53mm).
- Improved MTBF / MTTF values.
- Possibility to regulate the extension speed and to improve the mast's lifting capacities:
 - 10.7m/min and lifting capacities of 100-150kg;
 - 3,7m/min and lifting capacities of up to 800kg.

ITALIAN HEADQUARTERS

Fireco S.r.l.

Via E. Fermi, 56 - 25064
GUSSAGO (BS) - ITALY
Tel.: +39 030 3733916
Fax: +39 030 3733762
info@fireco.eu
www.fireco.eu

BELGIUM

Fireco Systems N.V.

Diestersteenweg, 142
3510 KERMT (HASSELT) - BELGIUM
Tel.: +32 11851602
Fax: +32 11851604
info@fireco.be
www.fireco.be

FRANCE

Euromast S.a.r.l.

ZA du Pontet - 90, Allée des Erables
73420 DRUMETTAZ - CLARAFOND - FRANCE
Tel.: +33 479349215
Fax: +33 479349215
fireco@euromast.fr
www.euromast.fr

SPAIN

Hisfamast, S.L.

C/Estafío, 30
28510 CAMPO REAL (MADRID) - SPAIN
Tel.: +34 918733733
Fax: +34 918765141
info@hisfamast.com
www.hisfamast.com

USA

Fireco US

1740 N Gateway Blvd
FRESNO, CA 93727, US
Tel.: +1 559 353-2823
Fax.: +1 559 255-7012
info@firecousa.com
www.firecousa.com

MALAYSIA

Fireco Asia Sdn Bhd

9, Jalan TP 3/2, Taman Perindustrian UEP
47620 SUBANG JAYA - MALAYSIA
Tel.: +603 8011 2300
Fax: +603 8081 2367
gc@fireco-asia.com
www.fireco-asia.com

AUSTRALIA

EVTA Group PTY LTD

12 Meek Street,
NEW GISBORNE, VICTORIA, 3438 - AUSTRALIA
Tel.: +61 354207444
Fax: +61 354207834
info@evtagroup.com.au
www.evtagroup.com.au