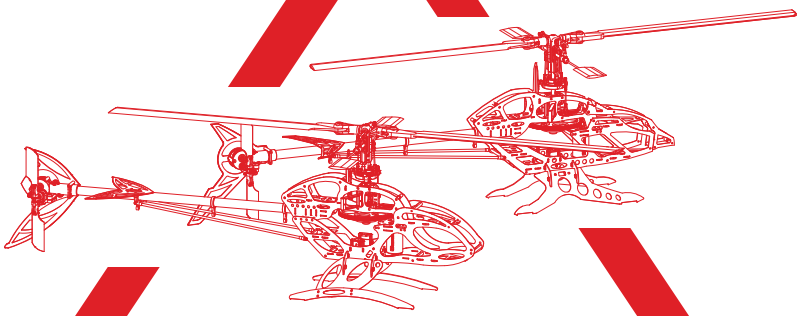
www.gazaur.com



Gazaur®

Generation of Advanced and Zenful Atypical Unique Rotormachine

# Gazaur Technology Corp.
# Taiwan

Gaeaur®

Facing Challenges & Looking Into The Future

1. Company Profile

2. Product

3. Position

4. Product Roadmap

5. Q&A

# Company Profile

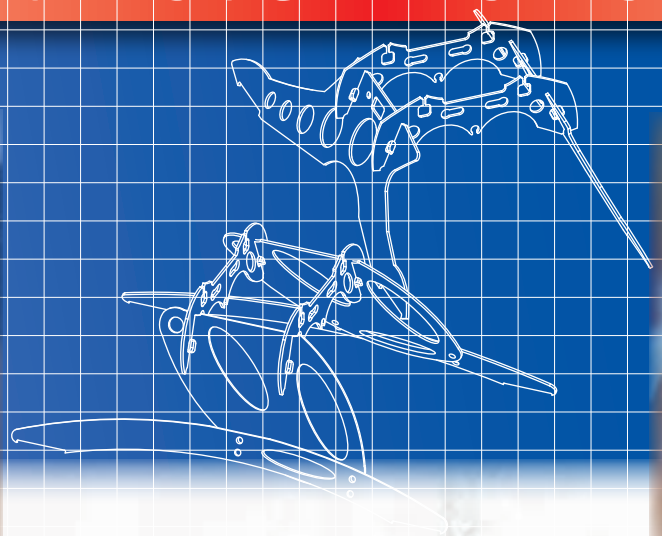


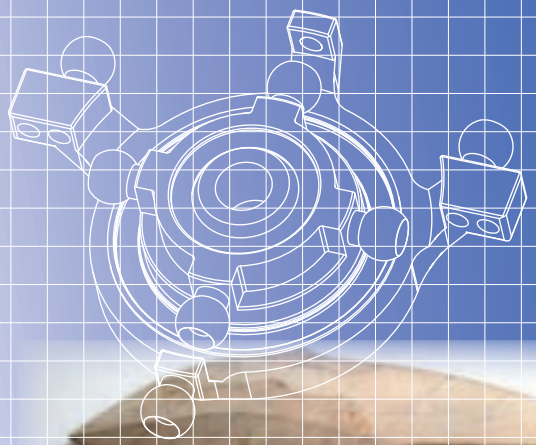
Gazaur Technology is established in 2005.

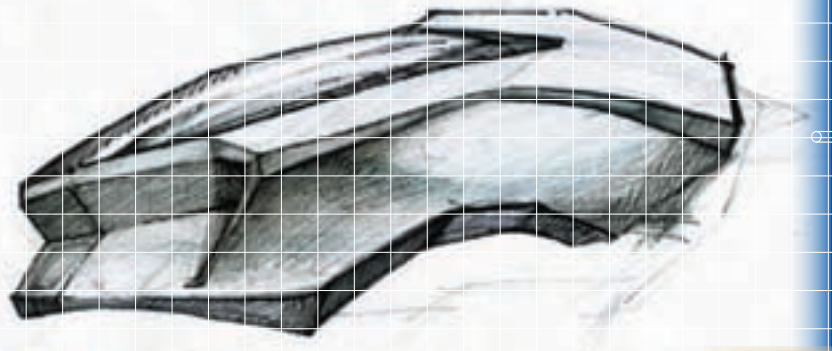
Our Supply Chains are building components for 50 more years.

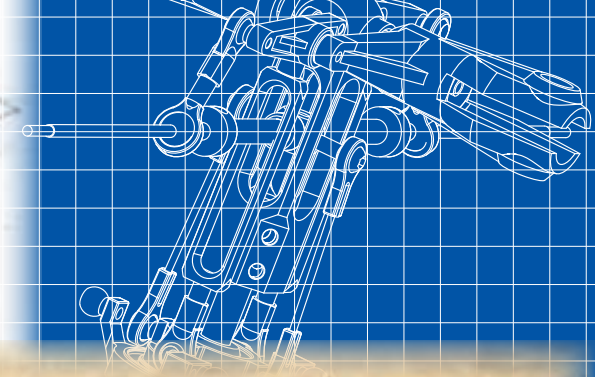
# 100% Designed and Made in Taiwan

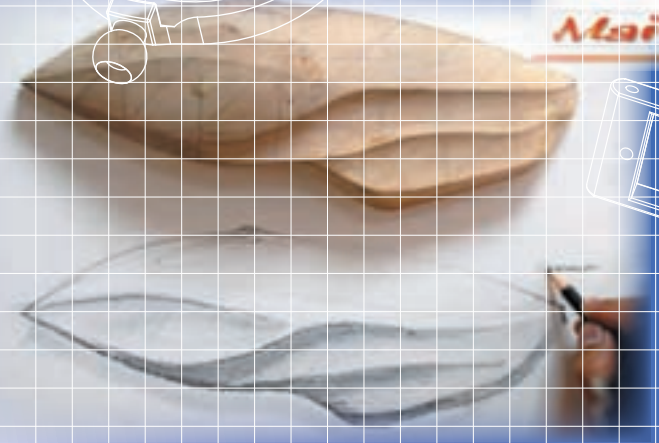
GAIZAUR®

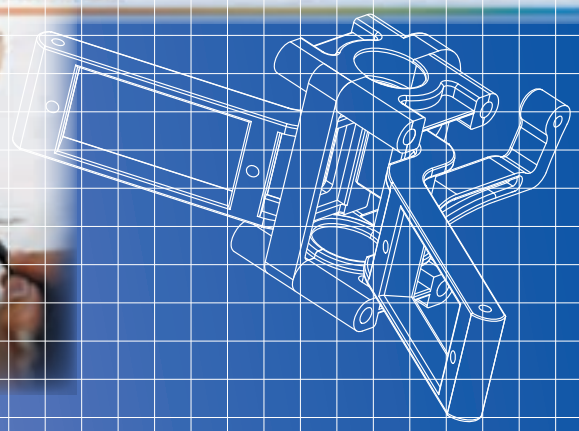








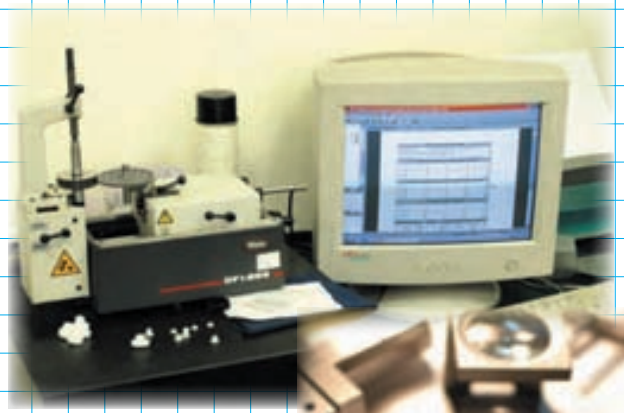


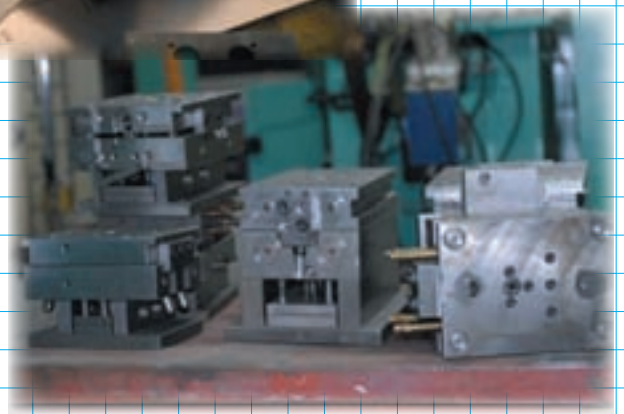


# Manufactured with Highest Standard

GAZAUR®


SGS





## Manufactured with Highest Standard

GAZAUR Technology Corp.
YEH DER ENTERPRISE CO., LTD.
CHIEN RONGL CO., LTD.

# Company Profile

Product

Support

Sales

# Gazaur Product

Gazaur®

## Poseidon 480

## Mars 480

Main rotor head 1

Structure 2

Brace frame 3

Tail Rotor Structure 4

## Revolutionary Rotor Head Design

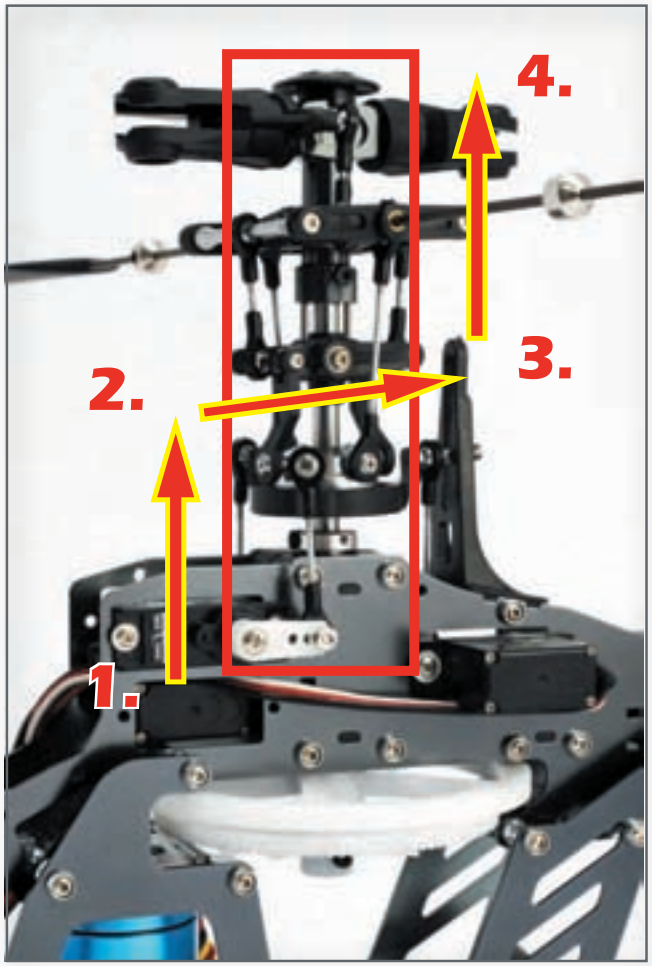
**The rotor head system is the soul of a helicopter; traditional helicopter with washout design not only adds additional weight, it also adds cross-coupling problems. To give our helicopter a new soul, we designed a single body floating type rotor head system; this system has fewer parts, less weight and a more linear movement which greatly improves flight stability.**

Main rotor head

# Gazaur Floating Type Rotor Module

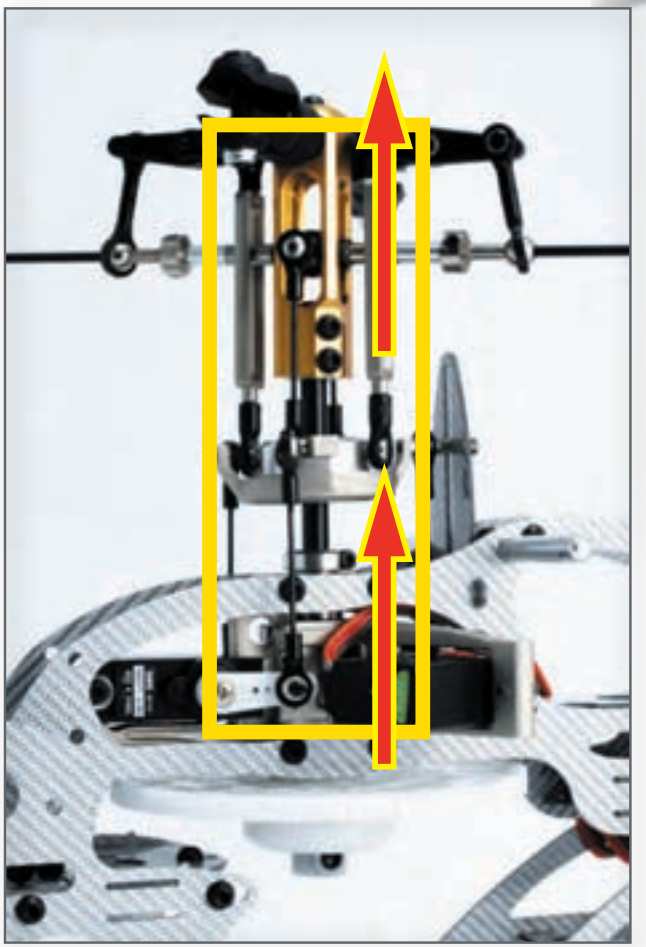
Gazaur®

**Indirect Control With High Part Count ; Easy to Develop Slop in Control Linkages.**

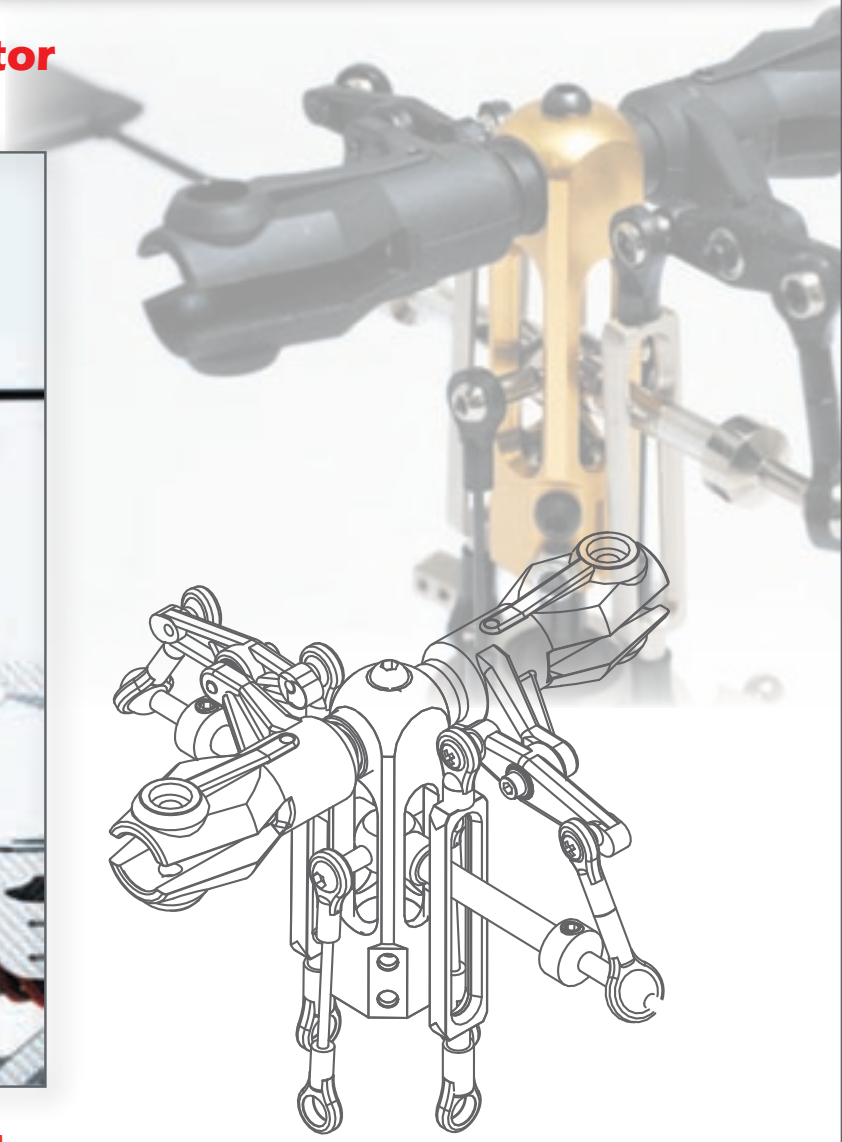



**Conventional RC Helicopter Main Rotor Head**

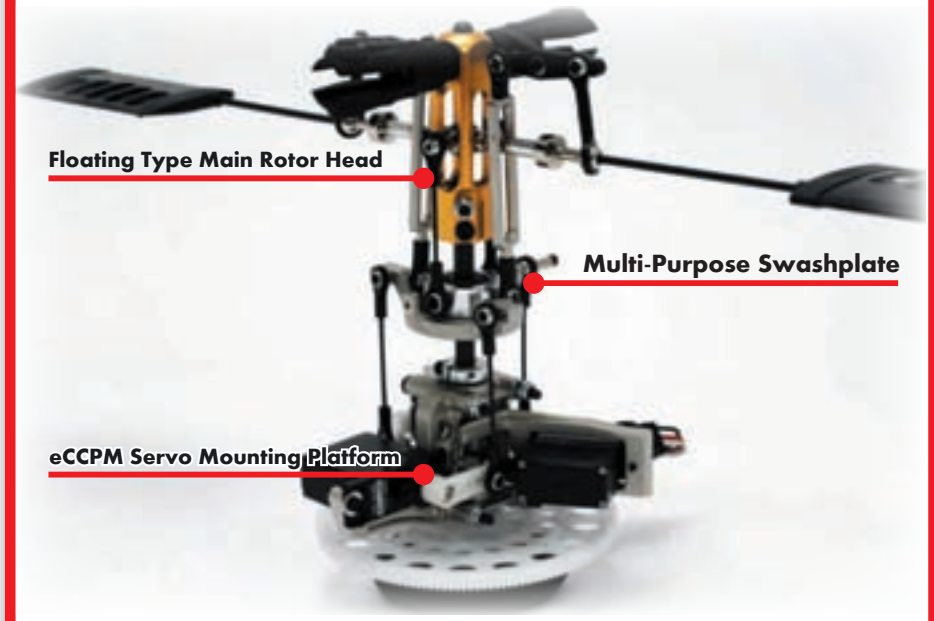
**Gazaur Floating Type Rotor Control Module**



**Direct and Precise Linear Control with Spot on Phasing Angle and Low Part Count.**



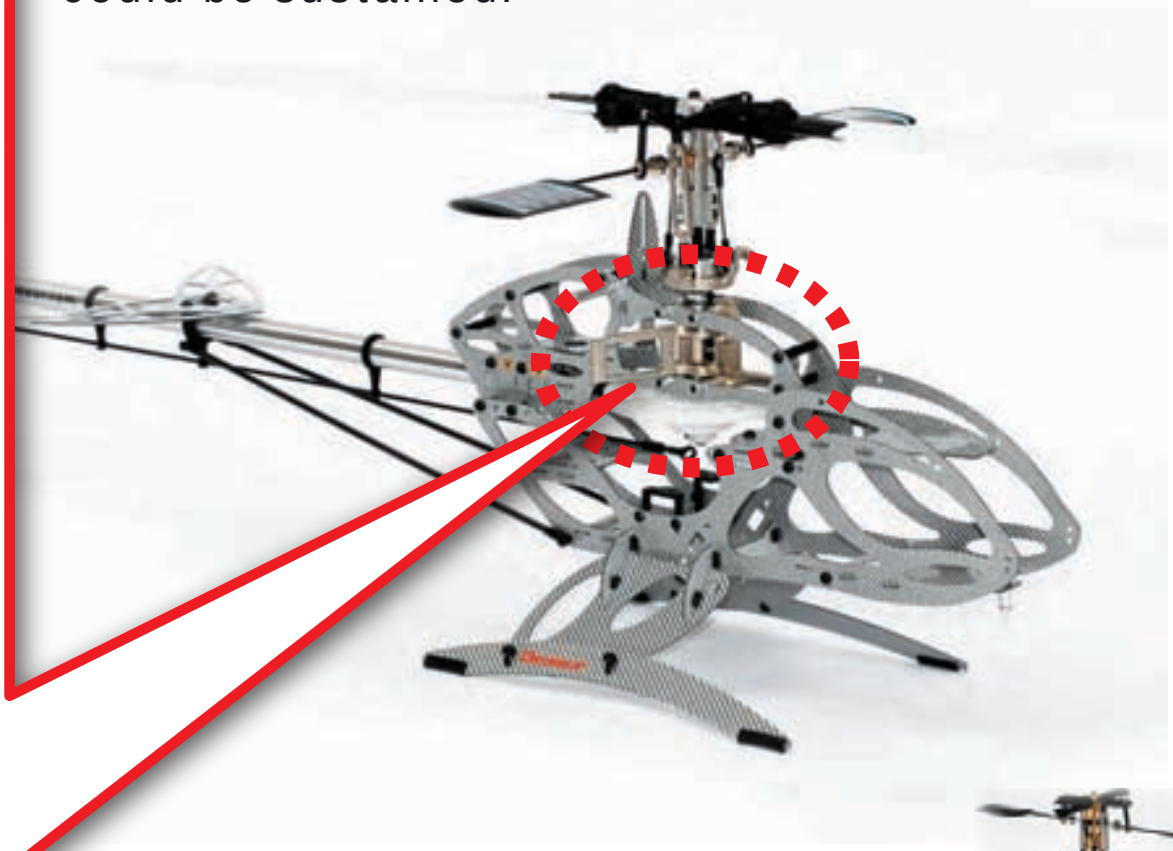
Main rotor head




**Main Shaft Supporting Tube**

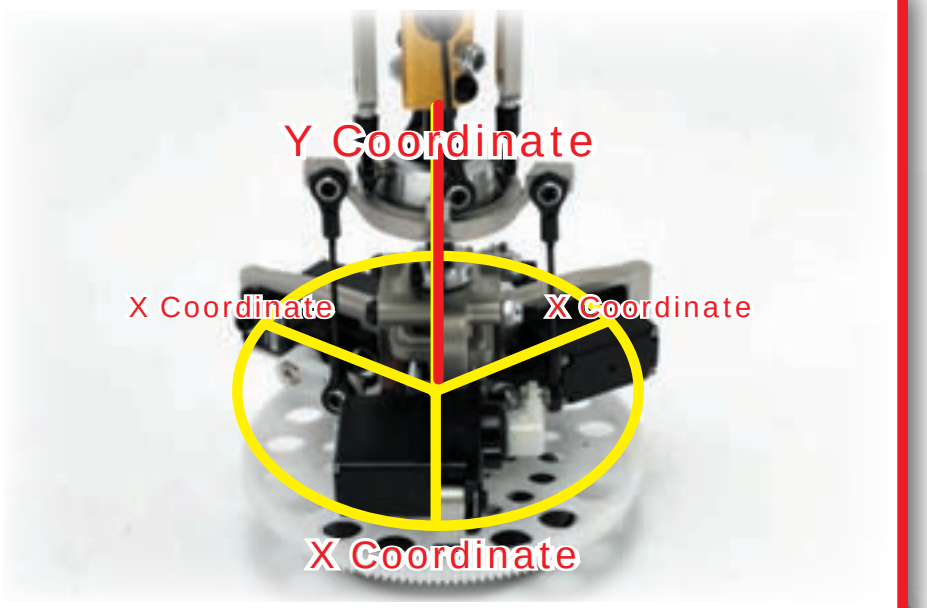
## Secret of Ultra High Speed Main Rotor: 3200 RPM

Gazaur adopted a dual bearing main mast in the center of the CCPM Servo Control Base, to support high load from main shaft at high speed. With the unique design, a dynamic load of 80Kg (@3700RPM) could be sustained.



**Main rotor head**

# Gazaur Products





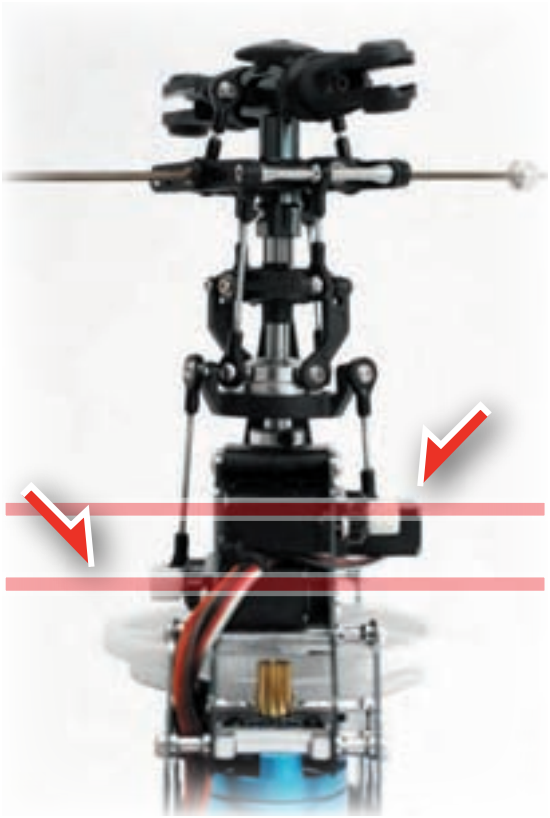
## Secret of Very Stable Flight Characteristics of Mars and Poseidon:

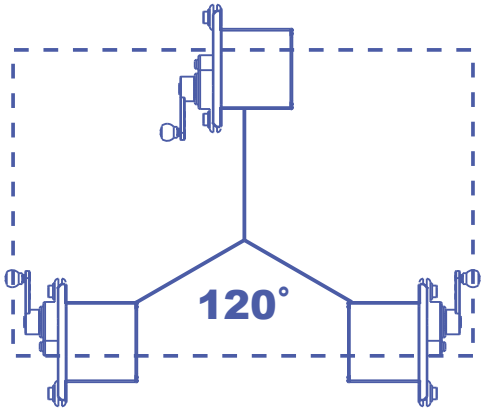
Thanks to the patented CCPM Servo Control Base from Garzaur, three CCPM controlling servos are mounted accordingly to a layout of horizontal plane and geometric symmetry. The result is giving the distinguished and very stable flight characteristics to Mars and Poseidon.

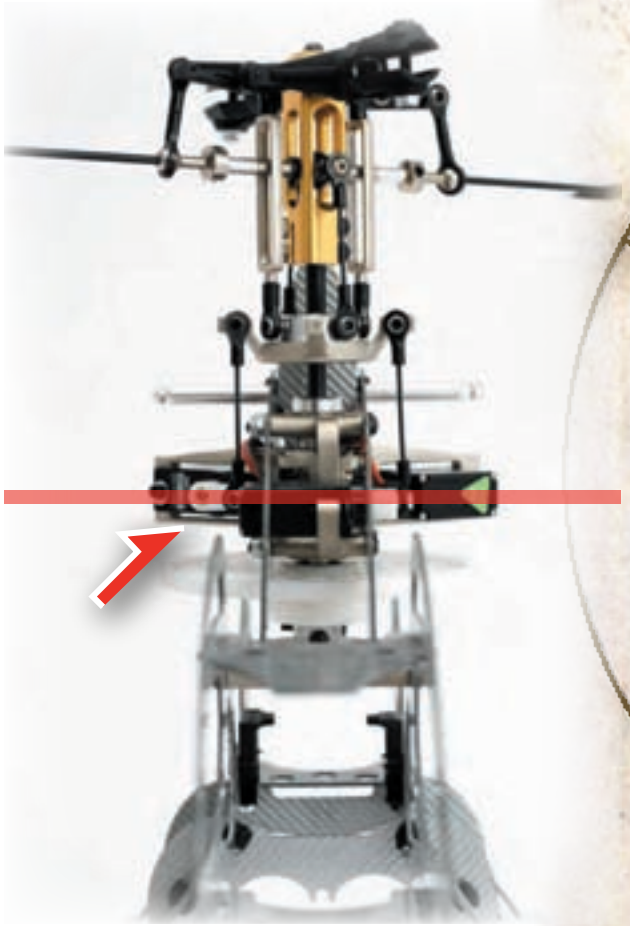
# Gazaur eCCPM Servo Control Base

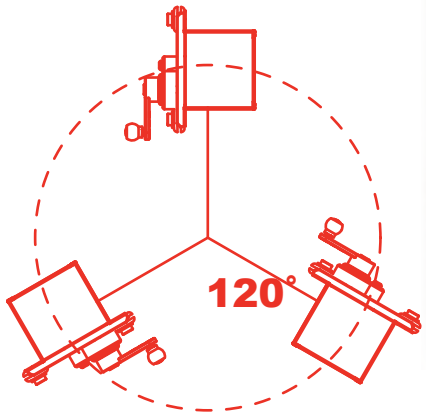
Gazaur®

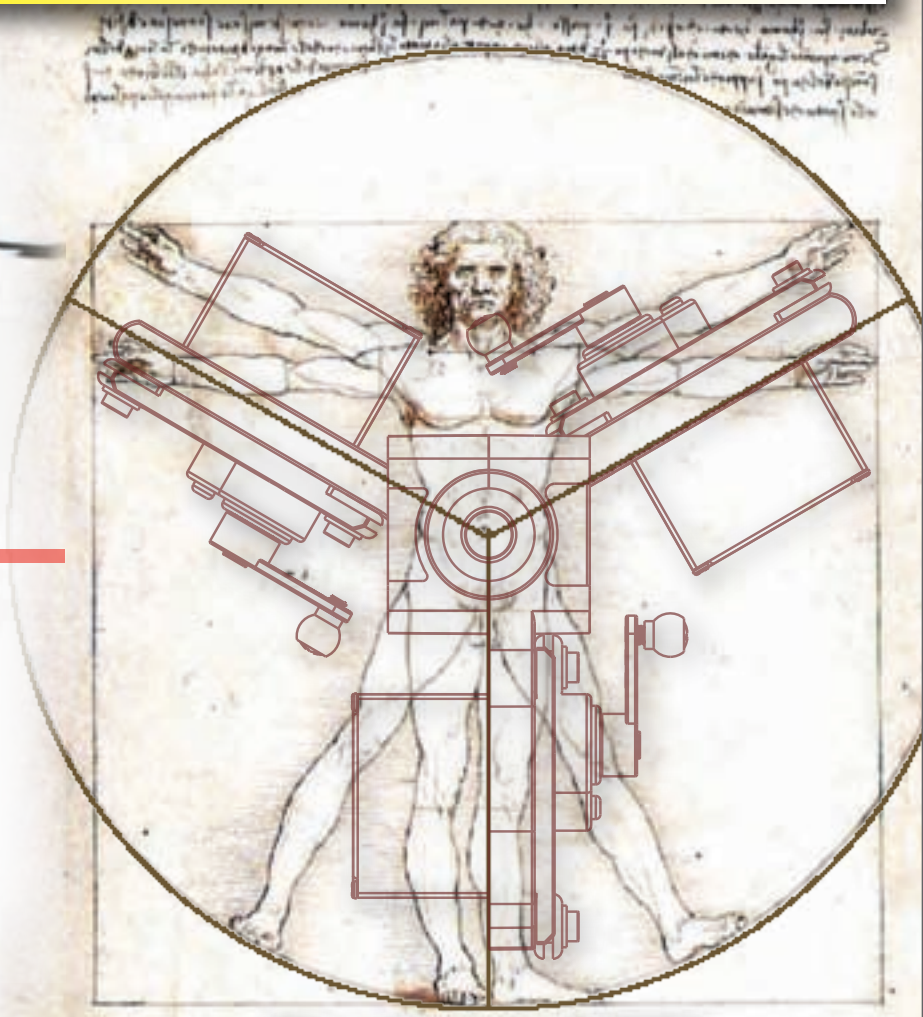
## Tradition





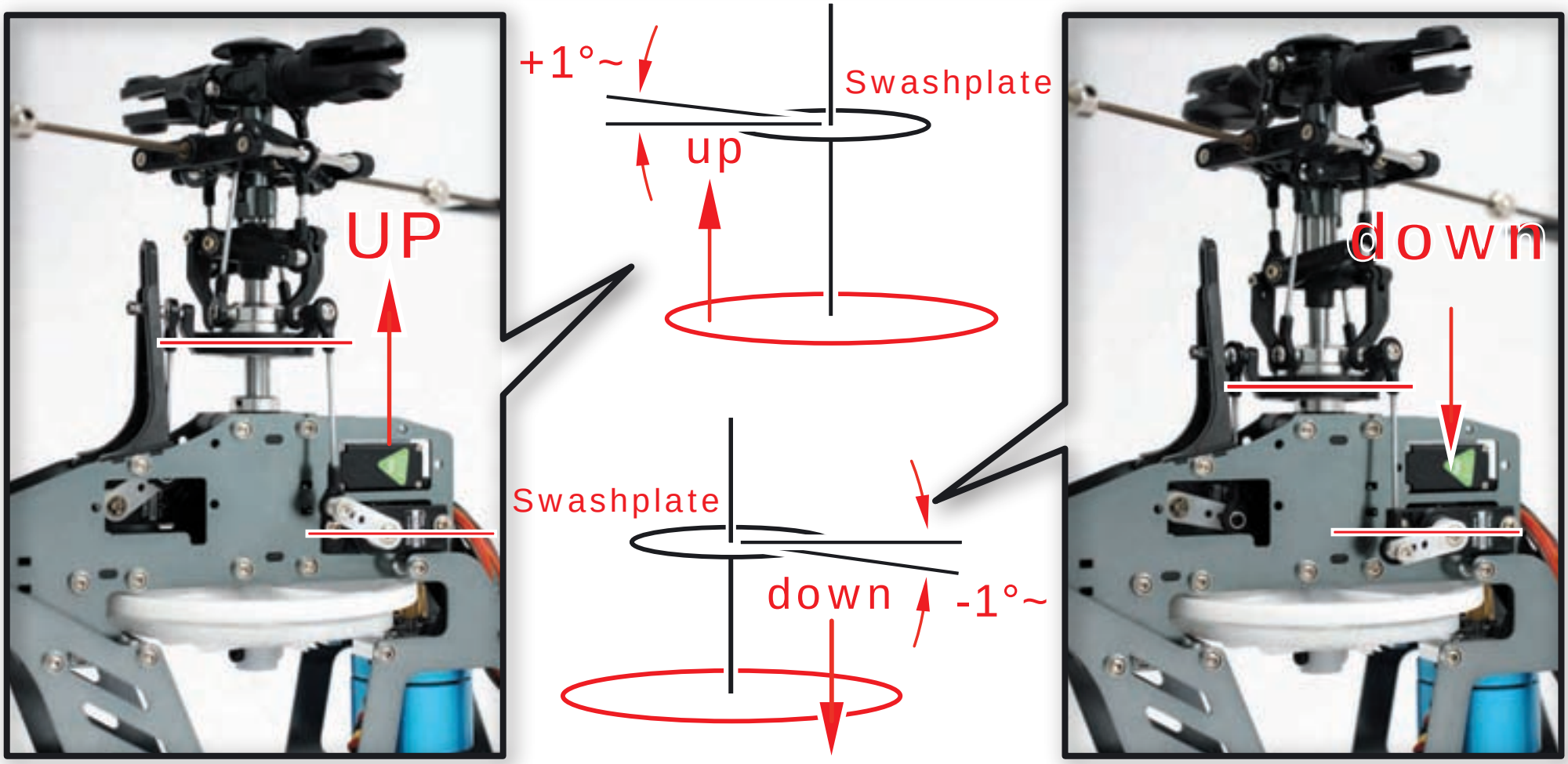


**Perfect 120°**
**eCCPM Symmetry**

**Main rotor head**

# Traditional eCCPM system

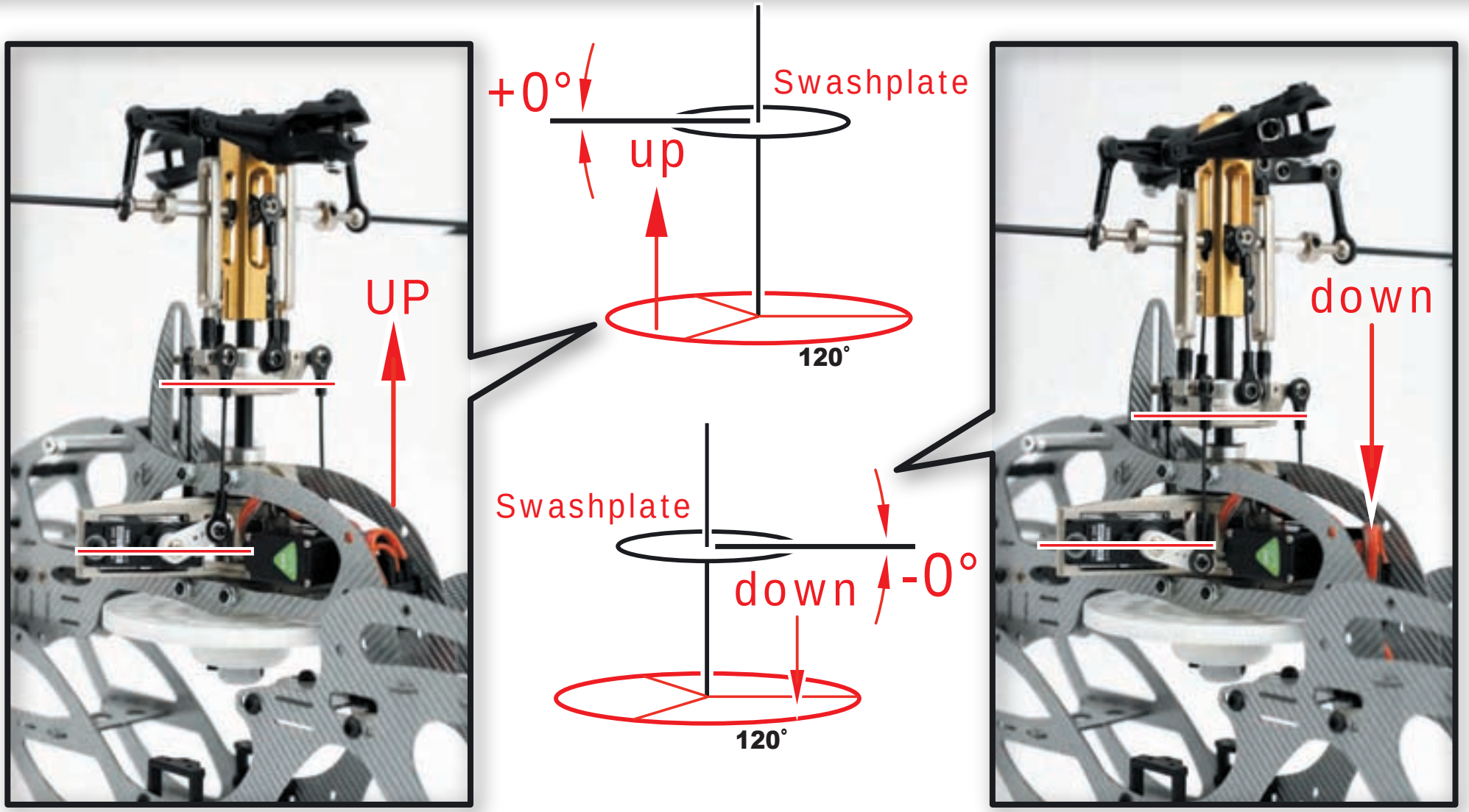



## Tilted Swashplate at Certain Pitch Settings

# The Innovation of Gazaur Electronic Helicopter

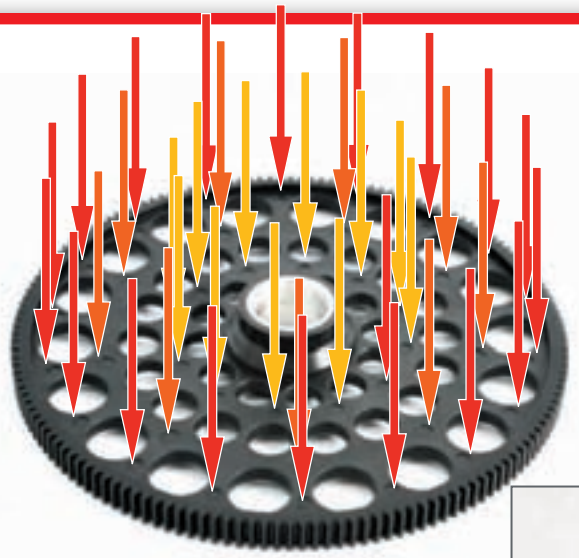
Gaizaur®

## Validation of Gazaur eCCPM System

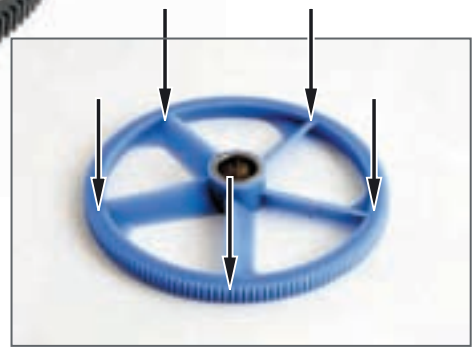



*Swashplate Remains Level Through All Pitch Range*

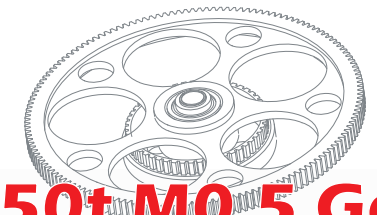
# Gazaur 150t M0.5 Gear



Gazaur Gear



Traditional



**150t M0.5 Gear**

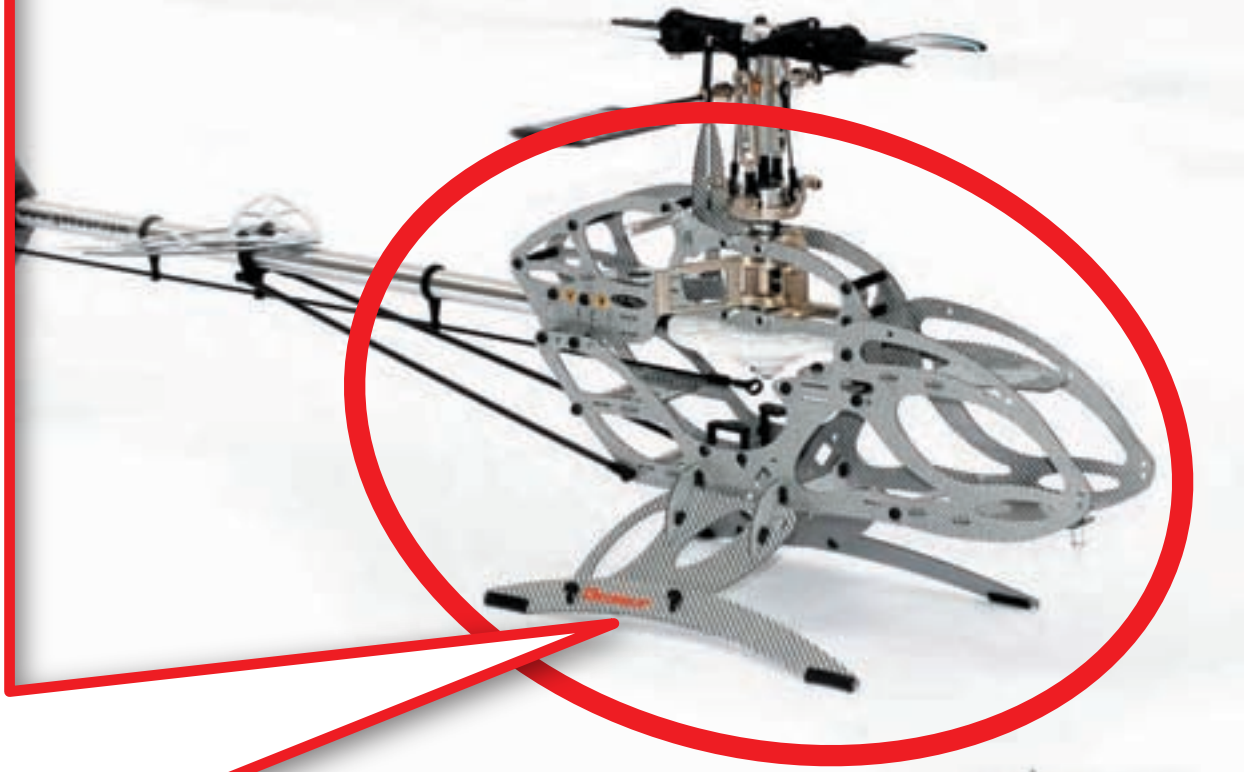
**Tolerance of Gazaur Main Gear is within ± 0.03mm**

Main rotor head

# Poseidon 480



**With fluid dynamic derived from marine mammals and subtle character lines stretching down the body**

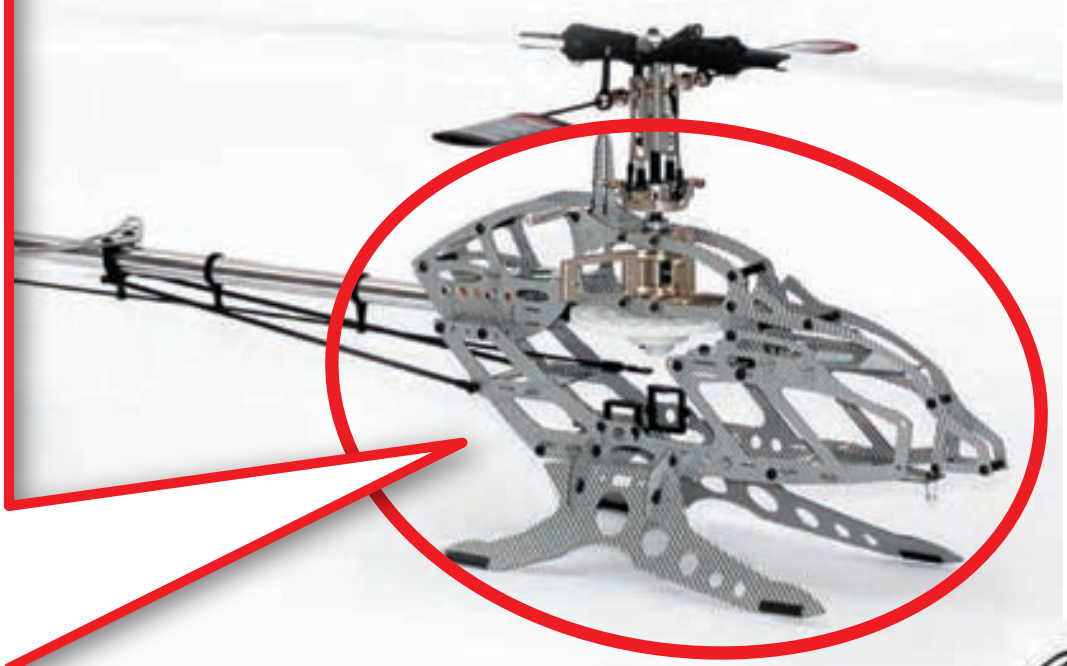


Structure

## Mars Concept Canopy:

**We derived our concept from the armor used by ancient Roman soldier which gives the canopy a powerful commanding appearance. The greatly exaggerated main air intake vent and side air intake gills help move cold air right to your power system.**

**The diamond shaped canopy provides 85% frontal coverage; the crosswind compensation effect can also be clearly felt during fast forward flight.**



# Landing Gear



**Adopting Centuries Old Proven Construction Techniques, Gazaur's innovative SSG fiberglass screw-less landing gear uses interlocking slots instead of screws; as a result, our landing gear is lighter yet stronger than traditional plastic landing gears.**

Brace frame

# Tail Rotor Structure

## Tail Speedup Gear Design

**Although this design is heavier and uses more parts, a simple test can prove its value. If you hold the main rotor and turn the tail rotor with force, our belt will not skip tooth.**

## Ultra Low Belt Speed

**Tail drive belt only turns 1.9 times when main rotor turns once. This ultra low belt speed design equal extend belt lifetime. (Calculated with MXL38T main belt drive gear and MXL 20T tail gear. 38/20=1.9)**

# Product Position

Gaizaur®

Size 1

Performance 2

Battery Power 3

Poseidon 480

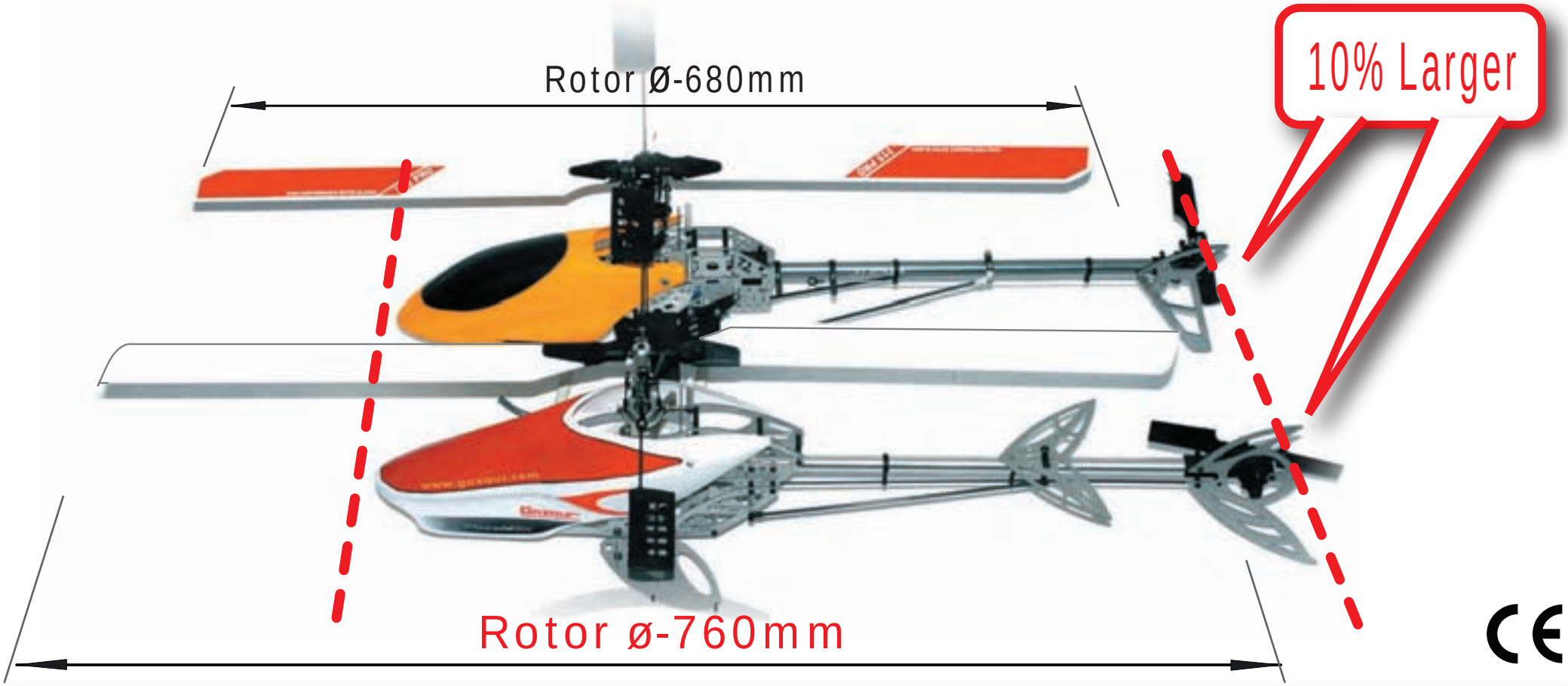
F3C

Mars 480

3D

# Poseidon Overall Size

Gaizaur®




CE

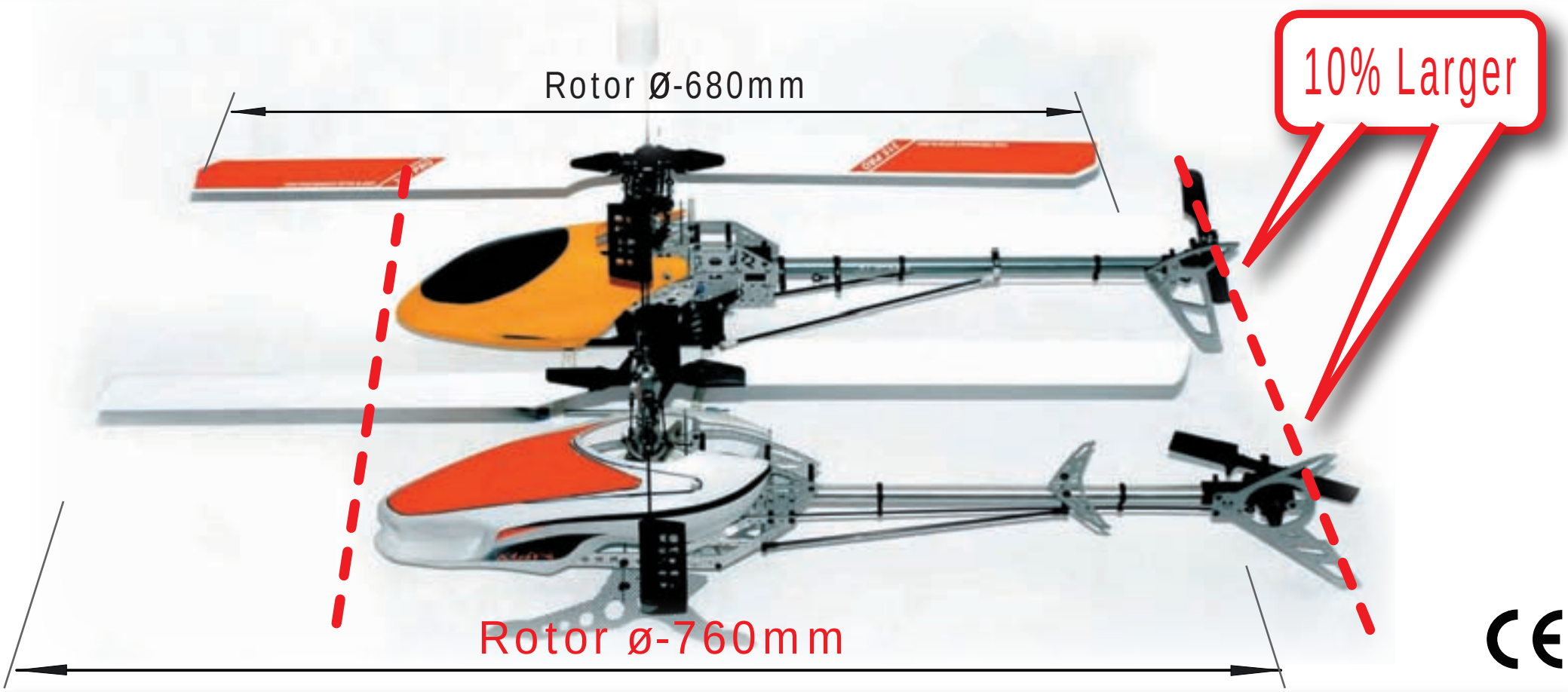
| | | | |
|---|---|---|---|
| Main rotor diameter : | Ø760mm | Flybar Paddle Diameter : | Ø310mm |
| Body Length : | 710mm | Body Height : | 230mm |
| Empty Weight : | 470g | Tail Rotor Diameter : | Ø155mm |
| Flying Weight : | 780g~820g | Gear Ratio : | 15:1:3.8(10) or 13.63:1:3.8(11) |

Equipped Weight
(No Battery) : 650g~680g

Size 1

# Mars Overall Size

Gaizaur®




CE

| | | | |
|---|---|---|---|
| Main rotor diameter : | Ø760mm | Flybar Paddle Diameter : | Ø310mm |
| Body Length : | 730mm | Body Height : | 230mm |
| Empty Weight : | 470g | Tail Rotor Diameter : | Ø155mm |
| Flying Weight : | 780g~820g | Gear Ratio : | 15:1:3.8(10) or 13.63:1:3.8(11) |

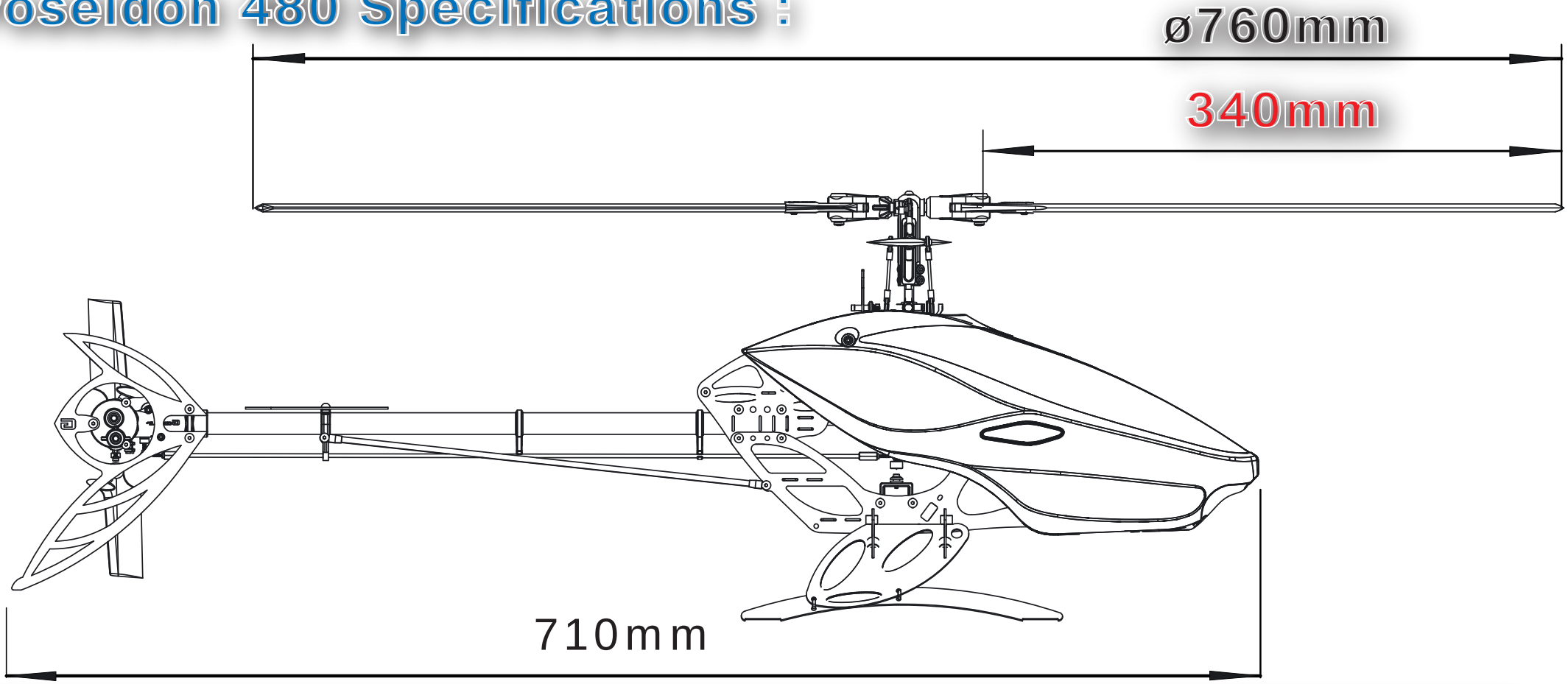
Equipped Weight
(No Battery) : 650g~680g

Size 2

# Gazaur 480 Electric Helicopter Specifications

Gazaur®

## Poseidon 480 Specifications :




| | | | |
|---|---|---|---|
| Main rotor diameter : | Ø720mm~760mm | Flybar Paddle Diameter : | Ø310mm |
| Body Length : | 710mm | Body Height : | 230mm |
| Empty Weight : | 470g | Tail Rotor Diameter : | Ø155mm |
| Flying Weight : | 780g~820g | Gear Ratio : | 15:1:3.8(10) or 13.63:1:3.8(11) |

Equipped Weight
(No Battery) : 650g~680g

**Performance** 2-1

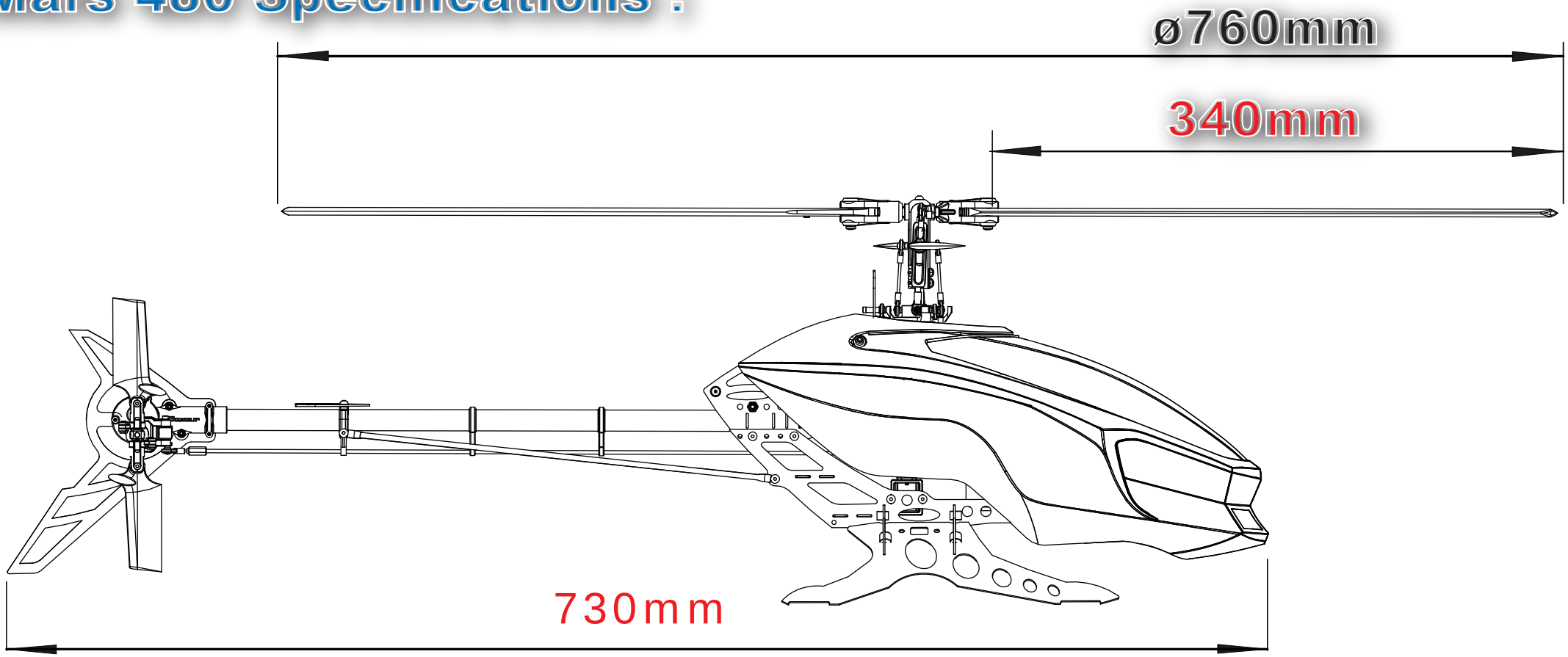
## Poseidon 480 with 11.1V Battery Power


Very Steady in Maneuvering

# Gazaur 480 Electric Helicopter Specifications

Gazaur®

## Mars 480 Specifications :




| | | | |
|---|---|---|---|
| Main rotor diameter : | Ø720mm~760mm | Flybar Paddle Diameter : | Ø310mm |
| Body Length : | 73 0mm | Body Height : | 230mm |
| Empty Weight : | 470g | Tail Rotor Diameter : | Ø155mm |
| Flying Weight : | 780g~820g | Gear Ratio : | 15:1:3.9(10) or 13.63:1:3.9(11) |

Equipped Weight
(No Battery) : 650g~680g

**Performance** 2-2

# 3D Maneuver Performance

Gaizaur®

## MARS 480 with 11.1V Battery Power

3D

High performance brushless motors and carbon main blades are suggested to use


Performance

# Battery Power and Cost

Gaizaur®


**11.1V 2100 mAh**

**450 Class Poseidon and Mars**


**14.8V 3000 mAh~**

**600 class R/C Heli**