



**Lighterpropeller**

# Company Overview



**Lighterpropeller** specializes in carbon fiber composite 12 years and know better how to design a suitable product to you.

Providing one-stop service from mold design and processing to product design and processing. We also know better how to control the cost by different process.

Support ODM and OEM, 4000 units of propellers for one week.

The company has significant cost advantages and maintains high quality control of the product, 100% dynamic balancing tests on propellers before shipment. We are the biggest supplier behind T-motor and many other famous brands.

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**Entire processes and equipment**



# Mold processing

*Lighter*

## Mold processing

High precision CNC machining machine ensures precise and error free dimensions for each mold





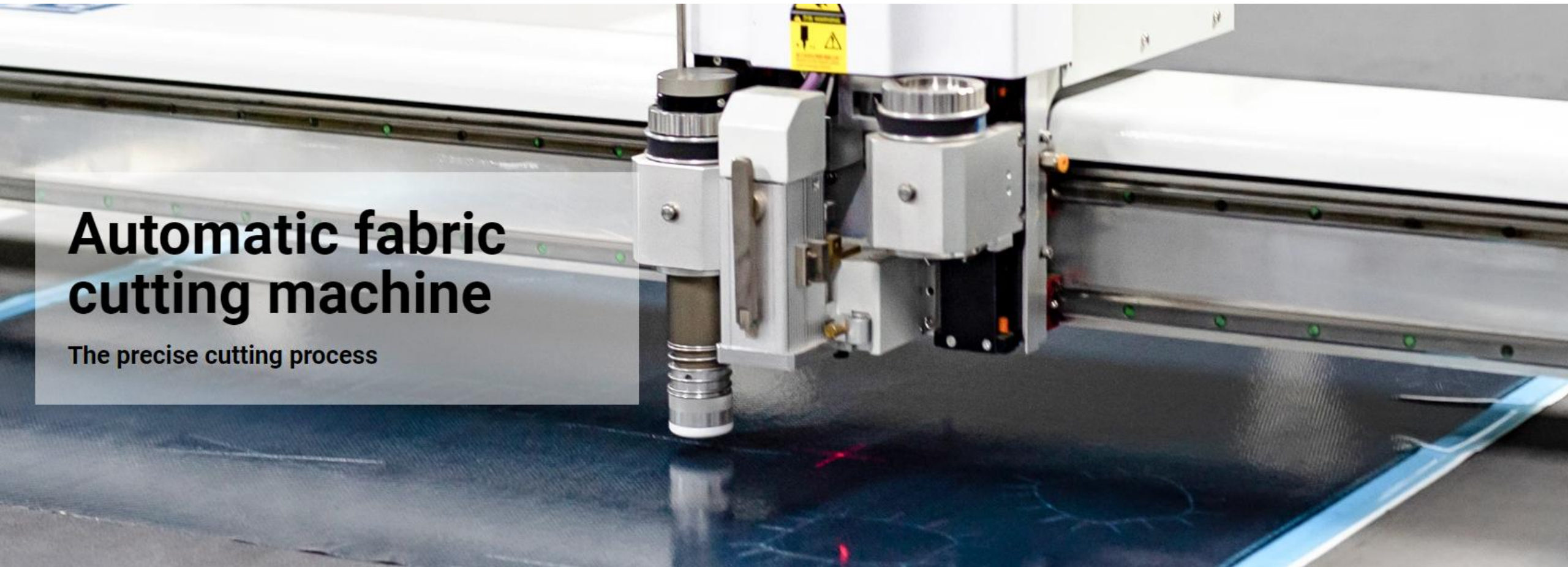
## CNC for foam core

Foam core as an important component of a propeller, must ensure its correct machining



## Automatic fabric cutting machine

The precise cutting process



# Molding

*Lighter*



**Molding**



# Edge trimming

*Lighter*



A close-up photograph of a CNC machine's end mill tool performing edge trimming on a dark, textured composite material. The material is held in a custom-machined orange-colored aluminum fixture. The machine's spindle and tool are visible, with the tool bit in contact with the workpiece. The fixture has some handwritten markings, including "1924", "-136.7", and "AP15".

Edge trimming



# Sample-M series

Lighter





# Sample-MU / V / EF/GF series

*Lighter*



# MU

**Multirotor Ultra  
Light Propeller**

**Ultra-lightweight**  
with a weight reduction of  
**20%-50%**

## Multirotor Ultra Light Propeller

Model Selection

24\*6.4; 25\*6.6; 26\*6.9; 27\*7.2; 28\*5; 29\*7.7; 30\*8; 32\*8.5; 34\*9; 36\*9.5; 38\*10; 40\*10.5;



# M

**Multirotor Propeller**

**Efficient**

*with higher efficiency  
meeting various needs*

## Multirotor Propeller

**Model Selection**

14\*5; 15\*5; 16\*5.5; 17\*6; 18\*6; 19\*6; 20\*6; 21\*6.5; 22\*6.5; 24\*7.5; 26\*8.5; 27\*9; 28\*9; 29\*9.5; 30\*10.5;  
32\*11; 34\*11.5; 36\*12; 40\*13; 42\*17; 45\*18; 47\*19; 52\*20; 57\*22; 62\*25; 73\*30;

# V

**VTOL Propeller**

**High tensile force**  
with an increase of  
**15%**  
in tensile strength

## VTOL Propeller-Vertical Takeoff and Landing

Model Selection

16\*6.5; 17\*7; 18\*7; 19\*7.5; 20\*8; 22\*8; 24\*9.5; 26\*10; 27\*11; 28\*11; 29\*11.5; 30\*12.5; 32\*13; 34\*13.5;  
36\*14.5; 40\*15; 42\*18; 45\*19; 47\*19;

# EF

**Electric Powered  
Fixed Wing  
Propeller**



**Lightweight  
and  
efficient**

## Electric Powered Fixed Wing Propeller

### Model Selection

8.5\*6; 8.5\*6.5; 10\*5; 11\*4; 11\*6; 12\*6; 12\*10; 13\*5; 13\*5.5; 13\*6; 13\*6.5; 13\*7; 14\*6; 14\*7; 14\*8; 14\*7;  
14\*10;  
14.5\*10; 15\*4.5; 15\*6; 15\*7; 15\*8; 15\*10; 16\*3; 16\*8; 16\*10; 16\*12; 17\*8; 17\*10; 17\*12; 18\*8; 18\*10;  
18\*12;  
19\*8; 19\*10; 19\*12; 20\*10; 20\*11; 20\*13; 20\*13; 20\*14; 20\*15; 20.5\*12; 20.5\*13; 20.5\*14; 20.5\*14.5; 21\*10;  
21\*13.5; 21\*14;  
21.5\*13; 22\*10; 22\*11; 22\*12; 22\*13; 22\*16; 23\*10; 24\*9; 24\*10; 24\*12; 24\*13; 24\*16; 25.5\*13; 26\*8; 26\*10;  
26\*12; 26\*13;  
27\*10; 27\*12; 27\*13; 28\*10; 28\*12; 28\*13; 29\*10; 29\*11; 29\*12; 30\*12; 32\*10;



**GF**

**Gasoline Powered  
Fixed Wing  
Propeller**



**Sturdy  
and  
durable**

## Gasoline Powered Fixed Wing Propeller

**Model Selection**

16\*8; 16\*9; 16\*10; 17\*6; 17\*6.5; 17\*7; 17\*8; 17\*10; 18\*6; 18\*7; 18\*8; 18\*9; 18\*10; 18\*11; 18.5\*6; 19\*8;  
19\*10;  
20\*6; 20\*7; 20\*8; 20\*9; 20\*10; 20\*11; 20\*12; 20\*13; 20\*15; 21\*8; 21\*10; 21\*12.5; 22\*8; 22\*9; 22\*10; 22\*11;  
22\*12;  
23\*8; 23\*9; 23\*11; 23\*12; 24\*8; 24\*9; 24\*10; 24\*11; 24\*12; 25\*9; 25\*10; 25\*11; 25\*12;  
26\*8; 26\*9; 26\*10; 26\*11; 26\*12; 26\*13; 27\*9; 27\*10; 27\*11; 27\*12; 27\*13;  
28\*8; 28\*9; 28\*9.5; 28\*10; 28\*11; 28\*12; 28\*13; 28\*14; 29\*9; 29\*10; 29\*11; 29\*12; 29\*13; 29\*14;  
30\*9; 30\*10; 30\*11; 30\*12; 30\*13; 30\*14; 30\*15; 31\*10; 31\*11; 31\*12; 31\*13; 31\*14; 31\*16;  
32\*10; 32\*11; 32\*12; 32\*13; 32\*14; 32.5\*12; 33\*11; 33\*12; 33\*13; 33\*14; 33\*16;  
34\*12; 34\*13; 34\*14; 34\*16; 36\*13; 36\*14; 36\*16; 38\*18;