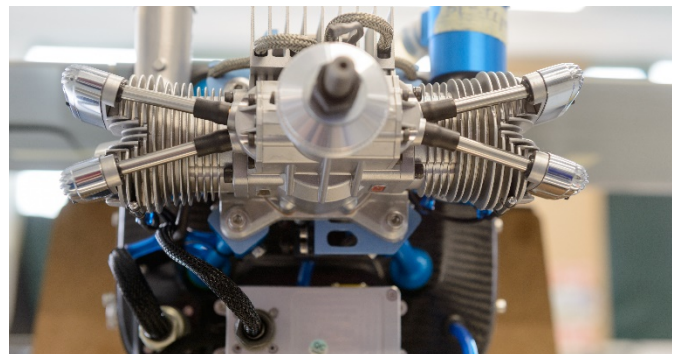
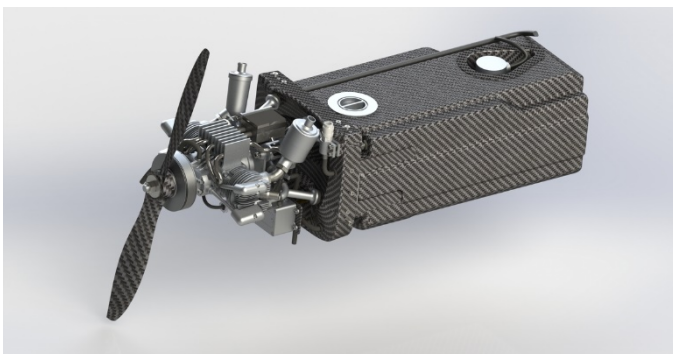


## UAV ENGINE UNIT

Our UAV propulsion module comes as a fully integrated solution. All systems come as one unit for easy installation and maintenance. Our module is fully compatible with Pixhawk family autopilots. The engine unit has a remote start, so you can start your UAV engine with just one click or push of a button, an electric generator to power up all electric equipment on board of your drone. We equipped our engine units with a fuel level sensor, engine temperature sensors, air temperature sensors, RPM sensor to provide you with the full and required information. In our system installed an additional option that can automatically restart the engine during the flight. Our team can customize and integrate the UAV engine module to meet all of your needs.

### UAV engine unit:

- Internal Combustion Engine;
- Propeller;
- Motor Mount;
- Starter-Generator;
- Fuel tank;
- Spare parts;
- Transport case.



### TECHNICAL SPECIFICATIONS:

#### Features and advantages Engine Saito FG-61 TS:

- |                                 |                |
|---------------------------------|----------------|
| • RPM Range:                    | 1500-6300 RPM; |
| • Power:                        | 4.8 HP;        |
| • Engine operation temperature: | 100-120° C;    |
| • Propeller:                    | 22*12";        |
| • Fuel tank capacity:           | 12 L;          |
| • Empty weight:                 | 5,2 kg;        |
| • Maximum working altitude:     | 3000 m;        |

**System Specifications:**

- |   |                           |
|---|---------------------------|
| • Onboard power supply:                       | Nominal voltage - DC 24V; |
| • Independent channels numbers:               | 30;                       |
| • Maximum current on the independent channel: | 2-3A selectable;          |
| • Reverse polarity protection;                |                           |
| • Overcurrent protection;                     |                           |
| • Onboard battery:                            | 6S LiPo;                  |
| • Maximum voltage:                            | DC 25.2V;                 |
| • Battery capacity:                           | 5400 mAh;                 |

**Main features of starter/generator:**

- Remote engine start;
- Direct drive permanent magnet;
- Brushless motor starter/alternator;
- 150W output electrical power;
- Built-in battery charge balancer;

**Dimensions:**

