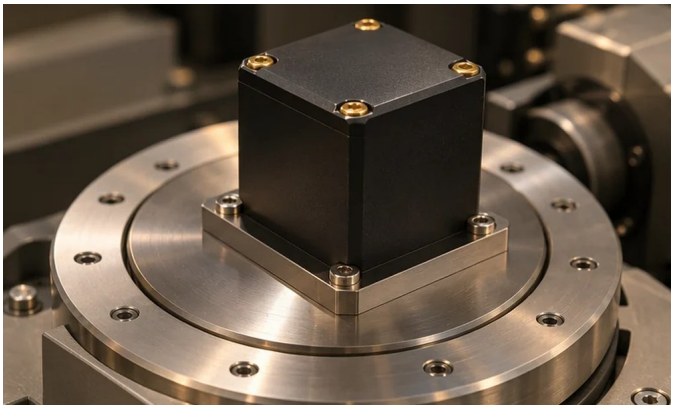
INERTIAL SENSING

Gyroscope & IMU Integration

Rotation and acceleration measurements for host equipment.



Application illustration / sensor integration

Motion measurement

A gyroscope measures angular rate. An inertial measurement unit (IMU) combines this with acceleration measurements. SAKIGAR helps define how the sensor, its mounting and its output will work with the host equipment.

Integration scope

Measurement objective	Define the rotation or acceleration to be observed and the axes the host needs.
Sensor selection	Match the measurement range, sampling needs and operating environment to the application.
Mechanical integration	Establish the mounting position and the relationship between sensor axes and equipment axes.
Data interface	Agree the output format, units, axis conventions and timing requirements with the host-system team.

Applications

Platform motion measurement, instrument integration and vibration studies.

Project enquiries

Share the intended measurement, available mounting space and host interface. Include the required range and sampling rate if known.