

Analyzing and Improving Key Arm Movements

e-skin Arm Sleeve targets all athletes of sports with a focus on arm movements, e.g. volleyball, basketball and tennis. Simply by wearing it, the Sleeve captures the pitch and roll angle of wrist and elbow for real-time visualization. Analyzing and improving key arm movements will not only raise performance but also lower the risk of injury.



Smart Apparel Technology

Real-time visualization

Motion capture through simple wearing

Indoor & outdoor

Washable

Normal form

Bad form



e-skin Arm Sleeve

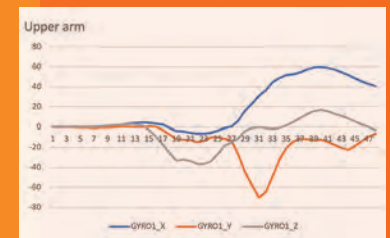
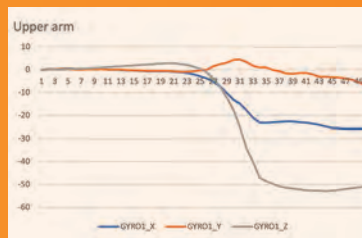
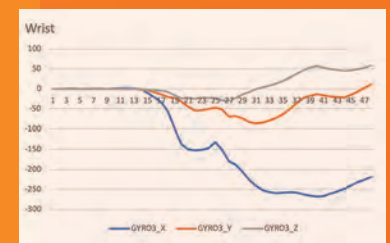
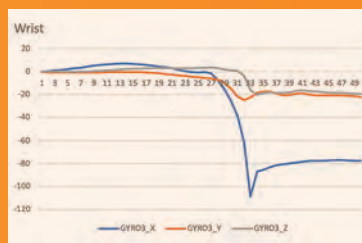
- ▶ 3 of 6-axis IMU sensors on arm sleeve
- ▶ Very comfortable
- ▶ Bluetooth wireless communication
- ▶ Fully open palm glove

Contents

Arm Sleeve	1 (Right or Left)
Hub	1

Spec

IMU sensor	3-axis accelerometers, 3-axis gyroscopes
Sensor position	Wrist, Forearm, Upper arm
Output rate	100fps
Output data	6-axis IMU raw data *Can be include calibration parameters if needed
Interface	Bluetooth 5 Output +4dBm (10-50m range)
Software	Data logger for Windows 10 Windows SDK
OS	Windows 10



*Pre-launch prototypes available for purchase.

*Specifications are subject to change without notice.