(ω) WOAZ

SMART SPORTS PRODUCTS

by 3Pigs Inc.

IoT DEVICES & SERVICES
WWW.3PIGS.CO

For Your Happiness

3pigs

ABOUT US

3pigs

3Pigs provides a new and diverse range of smart devices and services with our belief that new technological advancements can lead people to happiness.

SMART DEVICES

INTELLIGENT SERVICES

FUTURE CONTENTS

We provide new IOT devices based on differentiated HW/SW development technology.

We provide personalized services based on various information gathered from IOT devices.

Following the evolution of UX environments, we provide future-oriented content optimized for various platforms.

ABOUT WOAZ

(W)
WOAZ

The word "WOAZ" means a limitless world existing between 0 and 1. It's a new brand providing advanced smart sport devices and services for sport lovers. WOAZ will be the new name symbolizing future sport innovation.

SMART DEVICE

We provide smart devices optimized for various sports games based on IMU sensors capable of processing data at 500 frames per second using our rich experience in HW design.

WOAZ CLOUD

We build customized service platforms for various customers through a data analyzing engine using deep learning technology, based on a cloud platform that saves data gathered from the devices of many users in real time

PERSONALIZED CONTENTS

We provide customized content services considering various sports games and customer's characteristics based on the analyzed data from Personalized Sports Contents WOAZ Cloud.

WOAZ BASEBALL

The smart baseball tracks your pitching.

SPEED

ROTATION AXIS

SPIN

WRIST UTILIZATION

SMART BASEBALL

WOAZ baseball has a small built-in IMU sensor module developed using the latest sensor technology. Whenever a user pitches the baseball, it analyzes 10,000 sensor data points in real time and provides information on quality and pitching gesture.

REAL BASEBALL

WOAZ baseball has the same standard weight and size. The same high-quality leather used in professional baseball is used in making the handmade WOAZ baseball. Users can hardly feel any difference between the WOAZ baseball and a real baseball when pitching.

	Standard	WB100
Diameter	72-74(mm)	72(±1%)
Weight	142-149(g)	145(±2%)
Stitch	108	108

APPLICATION

We provide a free application with various functions installed, to make pitch training more convenient and successful. We also offer apps for Apple Watch.

WIRELESS CHARGING

We provide a wireless charging model and a wired charging model from which to choose.

Available on the
App Store

ANDROID APP ON
Google play

WB100
(wired)

WB200
(wireless)

WOAZ SOFTBALL

The smart softball tracks your pitching.

SMART SOFTBALL

WOAZ softball has a small built-in IMU sensor module developed using the latest sensor technology. Whenever a user pitches the softball, it analyzes 10,000 sensor data points in real time and provides information on quality and pitching gesture.

SPEED **ROTATION AXIS** **SPIN**

REAL SOFTBALL

WOAZ softball follows the standard size and weight of softball and uses leather in the handmade production process. During pitching, you can hardly feel any difference between this softball and a real softball. WOAZ softball is available in two sizes - 11inches and 12inches.

	WSK200	WSA100
Circumference	11 inches	12 inches
Weight	170(g)	192(g)
Skin	Cowhide	Cowhide

APPLICATION

We provide a free application with various functions installed, to make pitching trainings become more convenient and successful. We also offer apps for Apple Watch.

Available on the **App Store**

ANDROID APP ON **Google play**

FASTPITCH CORE

WOAZ softball core uses our very own, self-designed core and maximizes the softball's durability and usability to protect the inner sensor and provide the correct weight of an official ball. Also, our ball strength meets the requirements of the American Softball Association (ASA).

WSK200 (11inches) **WSA100** (12inches)

WOAZ CORE

Motion Sensor System for Smart Ball.

SMART CORE

WOAZ core is a sensor system for creating your own smart balls. WOAZ core consists of a sensor for wireless charging, SDK for application development, and a platform for various services and data analysis.
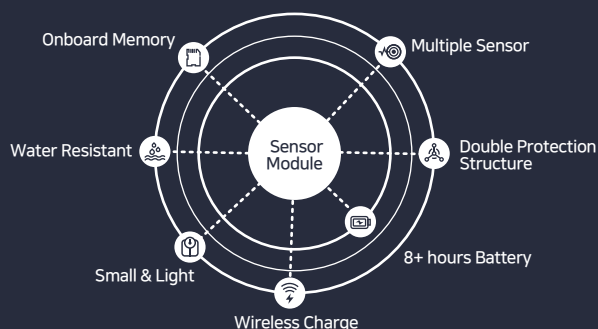
Sensor Module

SDK

Wireless Charger

SENSOR MODULE

It is equipped with the HW module which can sample 500 frames per second and allows measurement of detailed movements by using the latest sensor technology. It also has strong durability and waterproof function through the dual structure of PVC inner material and silicon outer material. Lastly, wireless charging function is also provided for the user's convenience.

Onboard Memory
Multiple Sensor
Water Resistant
Sensor Module
Double Protection Structure
Small & Light
8+ hours Battery
Wireless Charge

APPLICATION SDK

In order to create a successful smart ball, SW development that meets the need of various users is essential. For this purpose, WOAZ CORE provides a SDK which enables easier SW development.
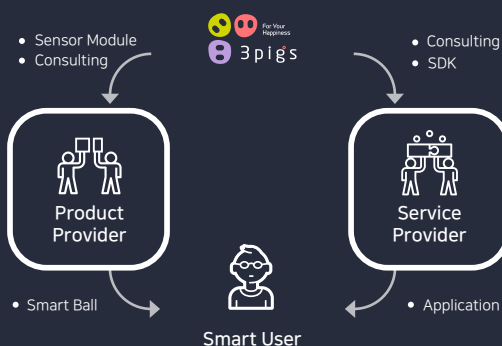
Analytics Engine

App SDK

Platform Interface

Device Manager

CUSTOMIZING PROCESS

- Sensor Module
- Consulting

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- Consulting
- SDK

Product Provider

Service Provider

- Smart Ball

Smart User

- Application

WOAZ PLUS

Motion Tracking Device for Multisports.

MOTION TRACKING SENSOR

Using the same sensor module as WOAZ Baseball's, data can be analyzed at more than 500 frames per second in real time. In consideration of analyzed data and service purpose, real-time mode and save mode can be implemented into one device based on the built-in memory and Bluetooth function.
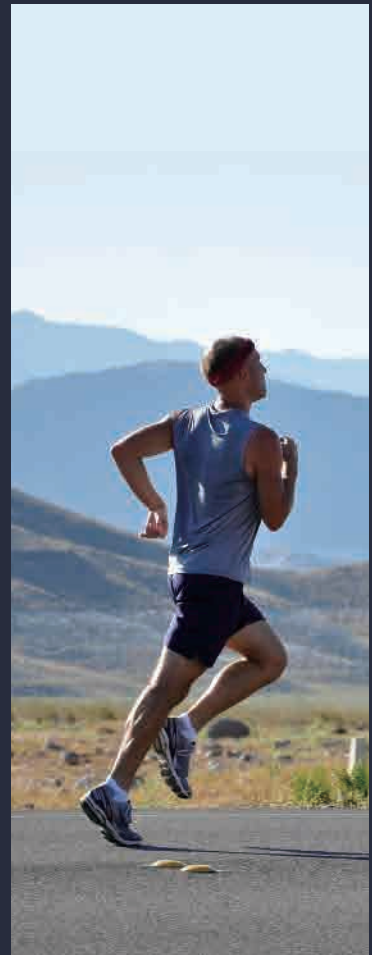
MULTI-SPORTS

With a powerful motion analysis function, it is a multi-purpose sport sensor for jogging, cycling, boxing, and various sports games. It also provides analyzed results specialized for each sports through the degree of movement and motion analysis.

CLOUD PLATFORM

Various motion data gathered from all devices can be used to analyze more advanced information over time, using an intelligent analysis platform based on deep learning technology. We can also provide customized reports and training content for each user through comparative evaluation with other users or professionals.

THIRD PARTY EXTENTION

We can provide reports by designing training programs composed of different motions, and monitoring users performing the training. We also support extended service development through a platform that can store and manage activity results.

WOAZ, SMART SPORTS PLATFORM BY 3PIGS INC.

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(w) WOAZ

WOAZ BASEBALL

A step closer to perfect pitching.

SMART PITCH–TRACKING BASEBALL

SMART BASEBALL

Smart baseball with the state of the art sensor technology.

WOAZ Baseball has a miniaturized built-in motion sensor module developed using the latest sensor technology. Whenever you pitch a WOAZ baseball, the sensor core analyzes around 10,000 data points to evaluate the pitch quality and the throwing motion.

SPEED **SPIN** **WRIST UTILIZATION** **ROTATION AXIS** **MOVEMENT**

Wireless Charging

REAL BASEBALL

Same weight and size as a regulation baseball.

WOAZ Baseball has the same standard weight and size. The same high-quality leather used in professional baseball is used in making the handmade WOAZ baseball. Users can hardly feel any difference between WOAZ Baseball and a real baseball when pitching. Also, users can choose to charge the ball by either wireless charging or USB.

WB100
(Wired)

WB200
(Wireless)

AUTO-CLIPPED VIDEO

Share your performance with your coaches and friends.

Try recording your pitching motion by using the video function. This function analyzes pitching movements in real time and auto-clips the video to include only the relevant parts. It automatically compiles your pitching results under your name.

APPLICATION

A powerful tool for effective training.

We provide a free app full of functions that are geared for making pitching training more efficient and effective. The product also comes with an Apple watch app.

Available on the
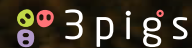**App Store**

ANDROID APP ON
Google play

SPECIFICATIONS

MODEL	WB100	WB200
DIAMETER	2.85 in / 72 mm	2.85 in / 72 mm
WEIGHT	5.1 oz/ 144 g (± 2%)	5.1 oz/ 144 g (± 2%)
PLAYING TIME	Up to 10 hours	Up to 10 hours
STANDBY TIME	Up to 48 hours	Up to 48 hours
CHARGING METHOD	USB Port	Wireless
MEMORY	-	8 MB
SENSOR	Dual accelerometers / Gyroscope / Magnetometer	Dual accelerometers / Gyroscope / Magnetometer
APPLICATION	iOS 8 or higher, Android 5.0 or higher	

WWW.WOAZ.CO

WOAZ

WOAZ SOFTBALL

A step closer to perfect pitching.

SMART PITCH-TRACKING SOFTBALL

SMART SOFTBALL

Smart softball with the state of the art technology.

WOAZ softball has a miniaturized built-in motion sensor module developed using the latest sensor technology. Whenever you pitch a WOAZ softball, the sensor core analyzes around 10,000 data points to evaluate the pitch quality and the throwing motion.

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(11inches)

WSA100
(12inches)

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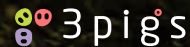**App Store**

ANDROID APP ON
Google play

SPECIFICATIONS

MODEL	WSK100	WSA100
CIRCUMFERENCE	11 inches	12 inches
WEIGHT	6.0 oz/170 g (± 2%)	6.75 oz/ 190 g (± 2%)
PLAYING TIME	Up to 10 hours	Up to 10 hours
STANDBY TIME	Up to 48 hours	Up to 48 hours
CHARGING METHOD	Wireless	Wireless
MEMORY	8 MB	8 MB
SENSOR	Dual accelerometers / Gyroscope / Magnetometer	Dual accelerometers / Gyroscope / Magnetometer
APPLICATION	iOS 8 or higher, Android 5.0 or higher	

WOAZ

WOAZ CORE

Physics inside.

MOTION SENSOR SYSTEM FOR SMART BALLS

SMART SOLUTION

For any sport played with a ball.

WOAZ core is a sensor platform for creating your own smart balls. WOAZ core consists of a sensor with wireless charging, SDK for application development, and a platform for various services and data analysis.
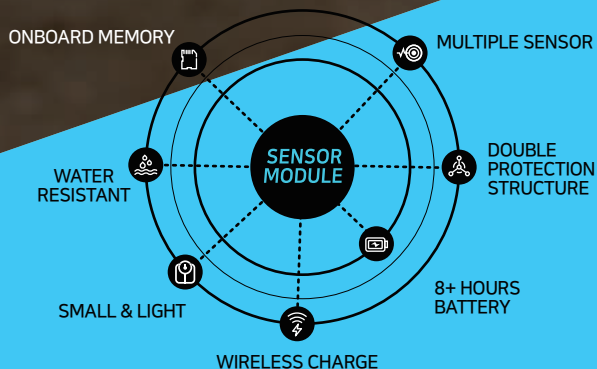
SENSOR MODUEL — **APPLICATION SDK** — **WIRELESS CHARGER**

SENSOR MODULE

Precise and powerful sensor module.

It is equipped with the sensor module which can sample 500 frames per second and sensitive to subtlest movements by using the state of the art sensor technology. It durable and waterproof thanks to the dual structure of inner PVC material and outer silicon material. The wireless charging feature is also provided for convenience.
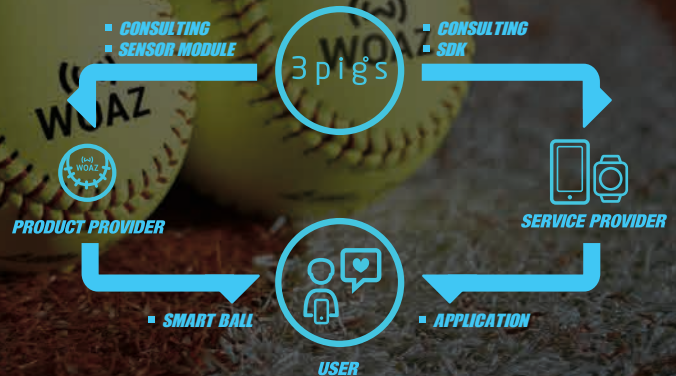
SENSOR MODULE

- ONBOARD MEMORY
- MULTIPLE SENSOR
- DOUBLE PROTECTION STRUCTURE
- 8+ HOURS BATTERY
- WIRELESS CHARGE
- SMALL & LIGHT
- WATER RESISTANT

APPLICATION SDK

The SDK supports quick and easy service development.

In order to create an effective smart ball, software development
that meets the needs of various users is essential. For this reason,
WOAZ CORE comes with an easy and extensible SDK.

CUSTOMIZING PROCESS

We are the ultimate partner for the success of your smart ball development.

3 pigs

- CONSULTING
- SENSOR MODULE

- CONSULTING
- SDK

PRODUCT PROVIDER

SERVICE PROVIDER

- SMART BALL

USER

- APPLICATION

SPECIFICATIONS

MODEL	WCB 10	MAKE-TO-ORDER
DIAMETER	35 mm	Alterable
WEIGHT	0.81 oz/23 g (± 1%)	Alterable
PLAYING TIME	Up to 4 hours	Up to 4 hours
STANDBY TIME	Up to 48 hours	Up to 48 hours
CHARGING METHOD	Wireless	Wireless
MEMORY	8 MB	8 MB
SENSOR	Dual accelerometers / Gyroscope / Magnetometer	Dual accelerometers / Gyroscope / Magnetometer
SDK	iOS 8 or higher, Android 5.0 or higher	