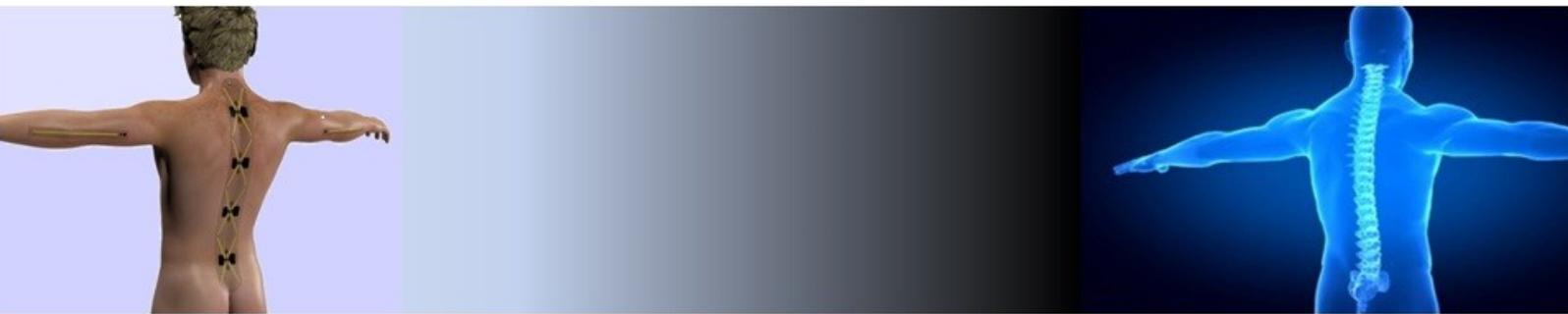


Bainisha<sup>®</sup>



**Unprecedented High Definition 3D Spine  
Movement Mapping with "Second Skin" Patch**

[www.bainisha.com](http://www.bainisha.com)

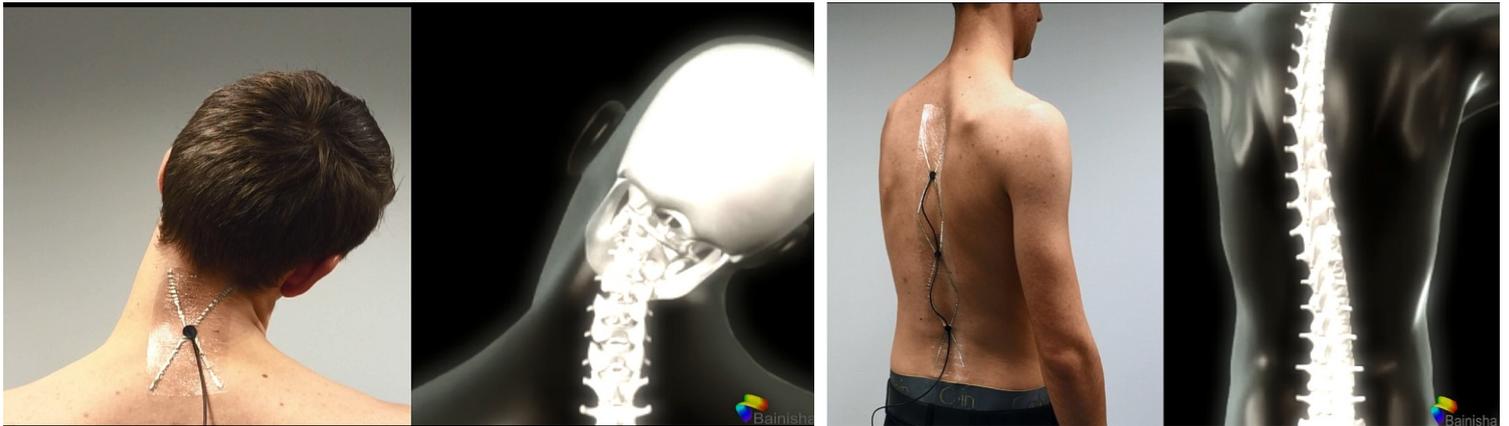
## What does it contain ?



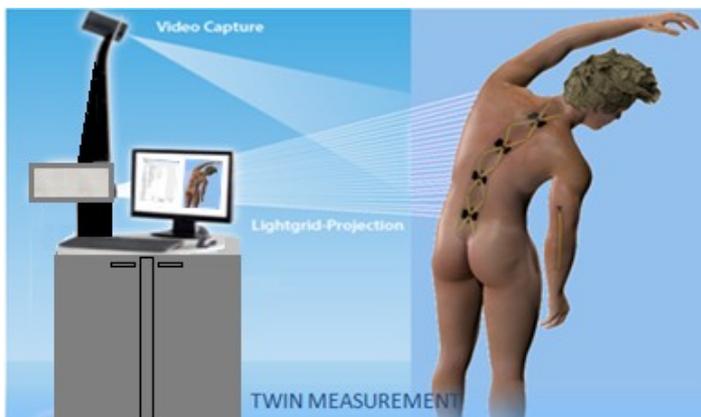
Projected final product - back sensor



## Feasibility & core-functionality ?

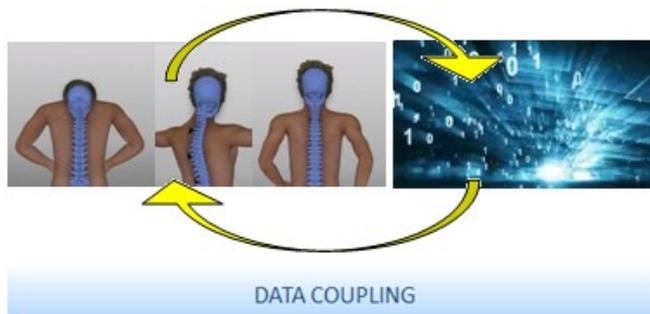


Current development phase - back sensor.

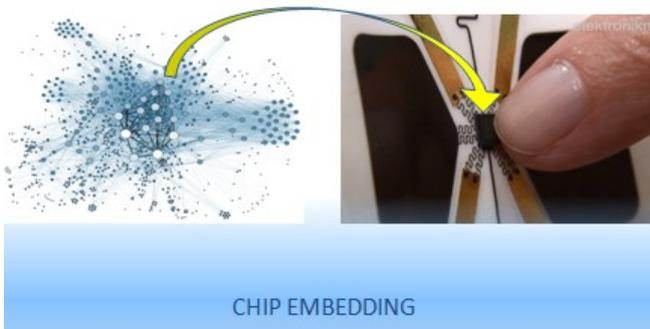


## How does it work ?

The process starts with a **twin measurement** i.e. the "Gold Standard" 3D dynamic measurement results are captured simultaneously with the output of the Bainisha High Definition 3D back-sensor.

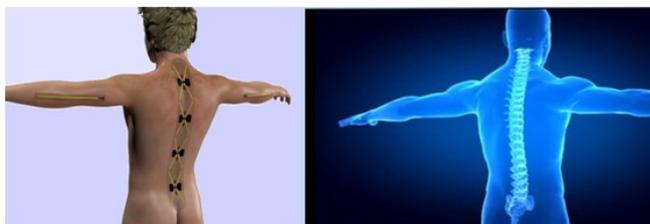


Then both data-sets are linked to each other. Hence the High Def 3D output of the "Gold Standard" is mathematically connected to its twin equivalent of the High Def 3D back-sensor i.e. **data-coupling**.



This data-coupling is then **embedded** in the on-board **micro-chip**.

This effectively transforms a set of scientifically laid-out stretch sensors into a High Definition Dynamic 3D Spine Movement Mapping System.



The mind-blowing result is that the patient walks out with an unnoticeable, micron-thick, hyper-stretchable "Second Skin"-like sensor patch on his back, which packs the same Body Motion Capturing power as huge & heavy sedentary "Gold Standard" machinery.

This enables monitoring on an unprecedented level **during normal day-to-day activities** and for **long** continuous **periods**.

### What are the use -cases ?

Evidently this ground breaking innovation opens up many new possibilities for distance monitoring. The topics which are currently under scrutiny are:

- Pre-intake topology based monitoring of 3D Spine Dynamics in a day-to-day environment.
- Back Pain Prevention programs: before / after assessment.
- Gesture control/monitoring for Construction Workers.
- Battling Back Injury Insurance Fraud & Compensation Scams.
- Sports Support Systems: combine wind tunnel measurements with posture.

And we are also very much looking forward to talk about your application...

### How much does it cost ?

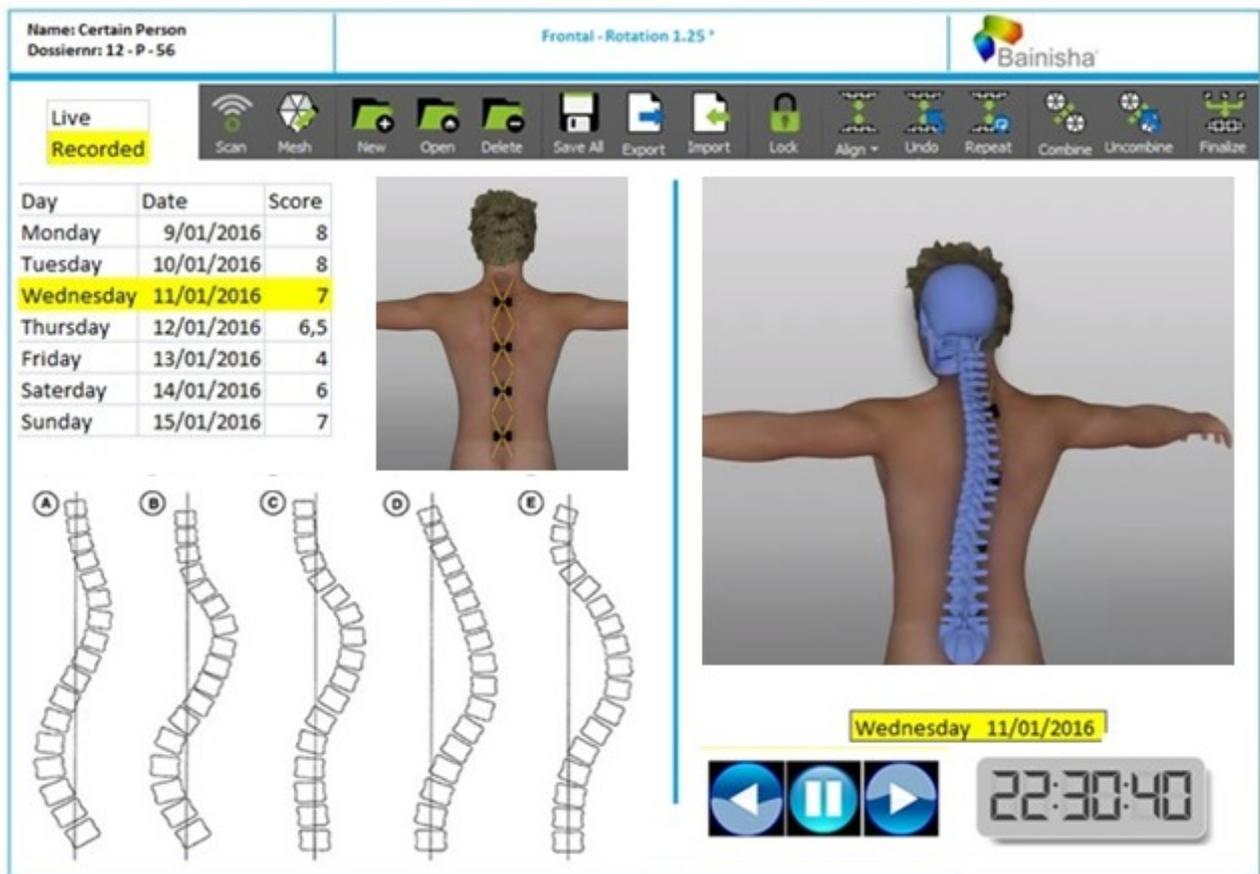
Price structure is divided between the sensor, as described above, which is the same for all applications and the software & services.

The sensor is intended as a single-use, low cost, autonomous device (no wires) of which all components are **continuously digressive**. I.e. final price structure depends on turnover.

## What does it do for me ?

That is what we want to hear from you ! Together with the partners of our eco-system we are in the process of compiling strictly user-oriented specifications.

In other words: which user-interface would you prefer ? How would like to see - receive - inspect - the results of the spine measurements ?



*Designers Virtual lay-out of GUI.*

Please contact us - all suggestions - tips - advice are welcome. The aim is to accommodate as much feed-back as possible. This shall enable us to translate the unprecedented sensor capability into a user-friendly tool allowing easy access to (personalized) relevant data.



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