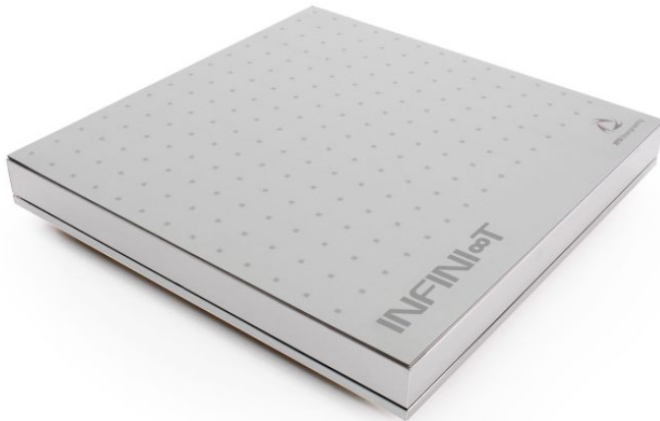


## **DIGITAL SENSORIZED FLOOR FOR MOTION ANALYSIS**

### **Brand: BTS BIO ENGINEERING**

**Code: INFINI-T**



### **Features:**

The new modular platform system is revolutionary: it measures reaction forces across its entire surface (also on borders), overcoming the limits imposed by traditional force plates. Equipment designed to measure the forces and moments applied to its upper surface when a subject stands, steps or jumps on it.

With INFINI-T, surfaces of different sizes and shapes can be created. The combination of rectangular (60X40 cm) and squared (40X40 cm) modules allows for the most appropriate configuration for the analysis of any type of movement. The use of smaller modules facilitates exam preparation for disabled subjects, elderly people and children with reduced step length. In fact, it drastically reduces the risk of double contact on the same platform.

INFINI-T automatically elaborates and integrates the signals coming from adjacent modules, acting as a single, seamless sensory surface. It has finally become possible to measure force even when foot contact is on two or more contiguous modules. The subject can move freely and spontaneously, without being influenced by restrictions that can change their behavior.

INFINI-T is the first system equipped with innovative spherical sensors able to make accurate measurements across the entire surface. Each module includes internal amplifiers and overload protection systems. The system can integrate



with all of our motion analysis technology: systems for kinematic analysis, EMG and video systems.

### **Technical Specifications:**

Dimension Single Module:(equivalent to 1 traditional platform) Sensitive area 40 x 40cm or 60 x 40cm, minimum height 6cm

LAN interface (10/100 Ethernet)

Digital Signal Output

Power Supply PoE with proprietary switch

Capacity (X and Y) for each module Up to  $\pm 8000$  N

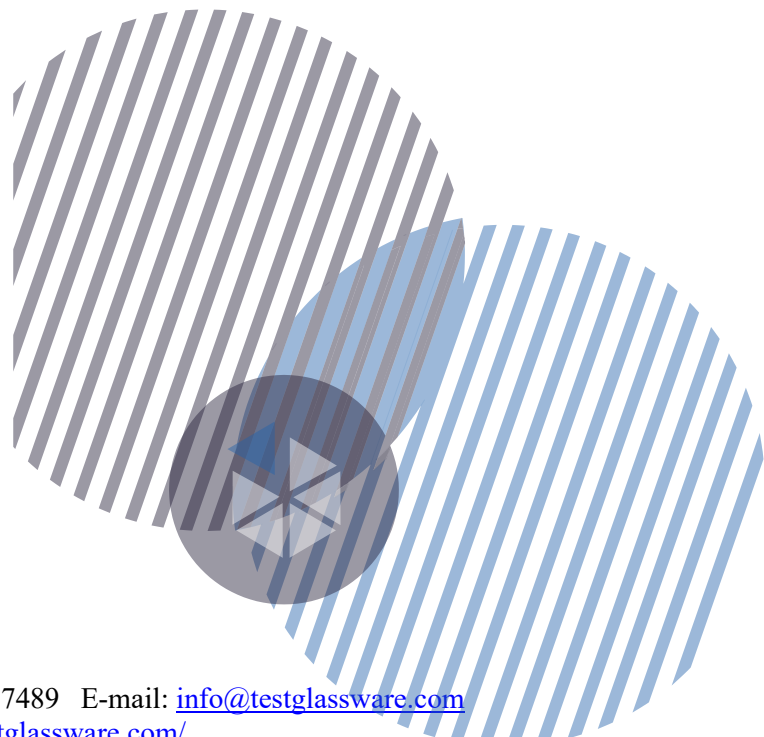
Capacity (Z) for each module Up to 8000 N

Sensitivity/Resolution 16 bit over selected range

Sensitivity deviation over plate surface <1.0% Full Scale Output

Hysteresis <0.2% Full Scale Output

Linearity <0.2% Full Scale Output



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