

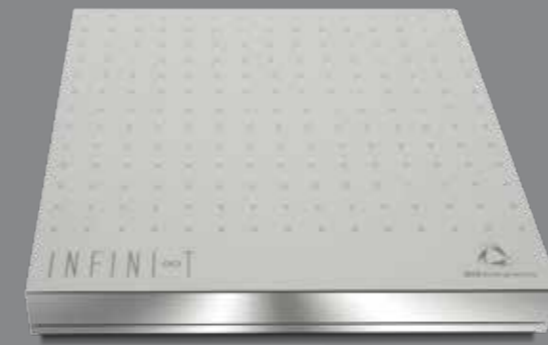
# INFINI∞T

The first digital sensory floor  
for seamless dynamic analysis during  
jumping, walking and running



# INFINI∞T

DIGITAL SENSORY FLOOR



a world without borders

# INFINI∞T

DIGITAL SENSORY FLOOR

The first endless force platform  
in the world



BTS Bioengineering



BTS BIOENGINEERING CORP.  
147 PRINCE STREET - SUITE 10  
BROOKLYN NY 11201 USA  
INFO: +1 929 261 6665  
HELPDESK: +1 646 575 0426  
WWW.BTSBIOENGINEERING.COM

BTS S.P.A.  
VIALE FORLANINI 40  
20024 GARBAGNATE MILANESE MI ITALY  
TEL: +39 02 36649000  
FAX: +39 02 36649024



BTS Bioengineering



**Clinical and sports applications:**

Choice and validation of most suitable aids for all movements (orthoses and prosthesis)

Load symmetry analysis, therapeutic and surgical treatment planning in orthopedics

Static and dynamic postural evaluation in neurological analysis

Postural re-education

Injuries prevention and performance enhancement in sports

# INFINI<sup>∞</sup>T

DIGITAL SENSORY FLOOR

## DIGITAL ENDLESS

### Infinite innovation

INFINI-T is a highly innovative, fully digital modular sensory floor; its measuring sensors are made with state of the art spatial technology. It's a truly revolutionary system for the measurement of reaction forces on its entire surface length overcoming the limits imposed by traditional floors size.

## VERSATILE

### Infinite flexibility

INFINI-T allows us to form surfaces of all kinds of shapes and sizes. By combining rectangular modules (cm 60x40) or square ones (cm 40x40) the most suitable configuration for force analysis of any movement can be easily set up. When performing clinic evaluations of walk, INFINI-T allows data collection for multiple strides in one single test, making it all easier and quicker.

### Infinite floor

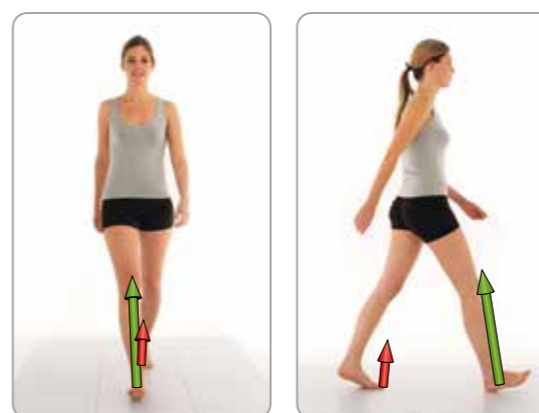
INFINI-T automatically processes and assimilates signals from adjacent modules behaving as one seamless sensor surface. INFINI-T's exclusive technology returns reliable data even when force is employed on two different platforms: at last we can obtain reliable force measurements of a footstep even if force is applied on different modules.



## HIGH PERFORMANCE

### Infinite accuracy

INFINI-T ensures extremely accurate measurements of all reaction force components, torques and coordinates of Center of Pressure, reducing crosstalk to the least. Modules are interconnected via Ethernet cables in order to transmit the digital signal with no interferences.



## FREEE

### Infinite freedom

INFINI-T gives its users total freedom of movement allowing them to be completely uninfluenced by the measurements taken as they move and making collected data even more reliable. 40x40 modules mostly reduce the probability of double stepping on the same platform, especially when patient's strides are short (disabled patients, elderly patients and children).

## ADVANCED

### Infinite Sensor ability: AccuSphere Technology

INFINI-T is equipped with innovative spherical head sensors ensuring highest accuracy measurements. Their distinctive shape featuring spherical-based supports enables perfectly homogenous load distribution on contact points. Every INFINI-T module includes internal amplifiers and an overload protection system.

### Infinite compatibility

INFINI-T is born to be fully integrated with the entire range of BTS technological systems dedicated to gait analysis, such as optoelectronics system BTS SMART D/DX, wireless electromyography BTS FREEEMG and video controller BTS VIXTA. An analog interface makes integration possible also with other systems.

