SLIPS, TRIPS AND FALLS account for over half of all reported injuries, costing employers and organisations over £300 million pounds per year. The HEALTH & SAFETY AT WORK ACT 1974 emphasises that all employers must take steps to control slip and trip risks in the workplace.

Do you have a risk management policy to identify these problem areas?

The TORSUS measures directly the dynamic co-efficient of friction as it traverses a surface or flooring material to be used by pedestrians. The measurements recorded are date/time stamped and can be printed from an integral printer, or downloaded as datatiles onto a USB memory stick.

The NEW TORSUS features many new benefits to the end user, including:

- USB memory stick for data retrieval
- Quick & simple calibration
- Easy to use LCD operator commands throughout operation
- Date/time stamp on printouts and datatiles
- Easy to operate, lighter and even more portable
- Integral lock for use whilst in transit
- Supplied complete with metal framed carrycase

Cost savings result from protecting your staff and customers by achieving and maintaining correct floor safety standards, by:

- Reducing the working days lost through STIF accidents
- Helping to prevent expensive damages claims
- Avoiding production stoppages

How does it work? Research has shown that the most dangerous type of slip occurs when the heel slides forward on making contact with the ground. The TORSUS simulates this condition, by reproducing the conditions under the heel during straight walking.

Scientific basis of measurement: a friction slider mounted on a leaf spring assembly is held in contact with the surface under a fixed load. As the instrument moves forward at a constant velocity, the friction force deflects the slider, and this is measured by a strain gauge attached to the spring assembly.

**Applications**

The TORSUS is established globally as an essential part of risk management policies in the following areas:

- Local authorities
- Shopping malls and supermarket chains
- Airports and train stations
- Banks and cruise liners
- Contract cleaning companies
- Fast food chains and restaurants
- Floor surface manufacturers
- Major international hotels
- International sports surfaces
- Patrol stations and prestige car showrooms

It is used in the following ways:

- Assessing floor safety
- Evaluation of floor covering materials
- Checking effectiveness of maintenance procedures
- Accident investigations
- Evidence for litigation purposes

**Standards**

Over the last 20 years, the TORSUS has become internationally recognised in the following standards as acceptable for dry testing:

- ISO 10547-17 draft European standard for the determination of coefficient of friction
- Australian and New Zealand standard AS/NZS 4683.2004
- Ceramic Tile Institute of America
- Italian single instrument standard

**Specification**

- Overall dimensions (mm): 425 x 245 x 160 (inc. handle)
- Overall weight: 8kg
- Power requirement: 240v 50/60Hz or 110v 50/60Hz, 1ph, internal battery pack 12v DC (external charger)
- Friction foot material: 4S rubber (standard shoe sole simulating, developed by the Rubber & Plastics Research Association UK).
- The instrument is supplied with a hard carrycase, charger, USB memory stick (complete with electronic instruction manual)

**Global TORSUS Usage:**

The TORSUS is used by organisations in the following countries:

- **AUSTRALIA**: Malaysia
- **CHINA**: New Zealand
- **DENMARK**: The Netherlands
- **ERIE**: Portugal
- **FRANCE**: Singapore
- **FINLAND**: South Africa
- **GREECE**: Sweden
- **ITALY**: Thailand
- **JAPAN**: Turkey
- **MALAYSIA**: United Kingdom
- **UNITED STATES**: United States

**Additional services:**

Wessex Engineering offers the following services in conjunction with the TORSUS:

- Instrument function check/servicing
- Consultancy
- Comprehensive training
- On-site testing
- Global support

Visit www.SafetyDirectAmerica.com for more information and current price