

TAM™ (Timing Analysis Module) is an add-on software to the *F-Scan* and *F-Scan Mobile* in-shoe foot pressure measurement systems. It generates temporal data on foot kinematics via a pressure recording. **TAM** provides the user with an array of foot strike timing parameters, determines the phases of gait (percentage), and illustrates left and right asymmetries. The software also provides comparison of the subject's gait to normal range values. **TAM** uses seven anatomical sites on the plantar surface of the foot to generate the temporal data. These parameters are easily displayed in several different graphs and tables allowing the user to view the timing parameters during gait. Applications include: observing gait abnormalities, screening diabetics, determining ray hypermobility, regulating weight bearing during surgery, monitoring degenerative disorders, and immediate determination of orthotic efficacy.



TAM software displays the left and right asymmetries (bottom right), as well as comparing the subject's gait to normal range values at seven sites on the plantar foot (top right).

TAM provides easy to read gait parameters (averages and ranges) in table format with comparative non-pathological normative values.

These values for 7 anatomical regions include:

- the duration of contact in percentage (%) of the stance (contact) phase time
- duration for phases of gait in percentage (%) of the stance (contact) phase time
- duration for phases of gait in percentage (%) of the gait cycle (stance + swing) time
- peak pressure and integral data for contact, mid-stance, and propulsive phases

Also available, **STAM™** (Stance Timing Analysis Module) add-on software to your *F-Mat®*, *MatScan®*, and *HR Mat™* systems. **STAM** generates temporal data during the stance phase of gait, and provides an array of foot strike timing parameters in comparison to normal temporal data and allows for left and right asymmetries to be assessed.