

HOW MUCH EFFORT IS TOO MUCH?

In 2002, there were 8,765 cases of non-fatal occupational hand and wrist related injuries and illnesses involving days away from work in Michigan alone.
MIOSHA, Bureau of Labor Statistics



Quantify your work demands with DIMT!

The ***Dynamic Impact Measurement Tool (DIMT)***, created in conjunction with Ford Motor Company, evaluates ergonomic risk on jobs that require dynamic hand impacts.

DIMT measures the acceleration generated on jobs that require dynamic hand impacts.

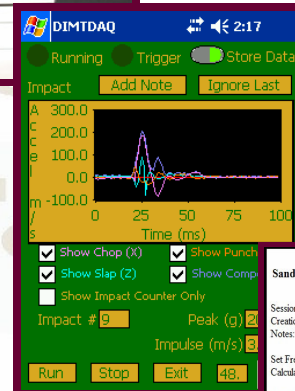
- Collect & Analyze data on the factory floor
 - Instantaneous Pass/Fail evaluations
- Minimally intrusive to workers and processes

The DIMT System includes:

Hardware – Acquisition glove is industrial strength and minimally obtrusive allowing for more realistic data collection. System includes PDA running Microsoft Windows Mobile and National Instruments DAQ™ Card.



Collection Software - Data is collected and stored to the PDA. Tri-axial impulse and peak acceleration values are displayed on the screen while the trial is being conducted.



Processing Software – The user will be able to recall and analyze data from the collection sessions. Data is summarized to determine:

- Average Impulse
- Average Peak Acceleration
- Impacts per Minute

The percent of the **Population Capable** of doing the task is also calculated, and a **Task Concern Level** is assigned to aid interpretation of the results.

Sandalwood Dynamic Impact Tool Report	
Session Name:	Custom Group Session Report
Creation Time:	02/16/05 14:52:40
Notes:	
Set Frequency (min):	0.00
Calculated Frequency (min):	7.66
Peak Avg. (m/s ²):	339.43
Peak Min. (m/s ²):	111.63
Peak Max. (m/s ²):	860.97
Impulse Avg. (m/s):	5.20
Impulse Min. (m/s):	1.89
Impulse Max. (m/s):	11.80
Quantity of Impacts:	6
Quantity of Impacts In Use:	6
Quantity of Impacts Ignored:	0
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To order DIMT or find out more: visit www.sandalwood.com