

# The CATT System

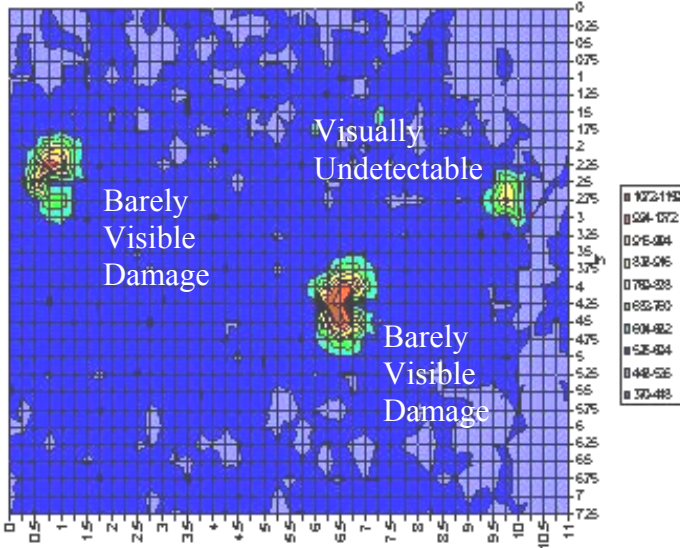


Image produced by the Computer Aided Tap Tester of three defects that resulted from impact damage.

## Basic System Operation:

A grid template is fixed over the area to be inspected. The inspector then collects data by tapping in each square of the grid using the manual tapping instrument, or by using the semi-automated tapping cart. The cart taps at a regular interval as it is pushed along a straight line by the operator. The impact duration is measured by the CATT system. The data is fed into a PC where it is displayed in a user-friendly graphical form.

## CATT Software:

The Windows<sup>®</sup>-based software is used to setup a scan, to automatically log the data into an Excel<sup>®</sup> worksheet and to produce an image of the inspected area. The software requires approximately 1 MB of space on the computer hard drive and is provided on a CD (can also be provided on 3 1/2 inch disk when requested.)

## Data Output:

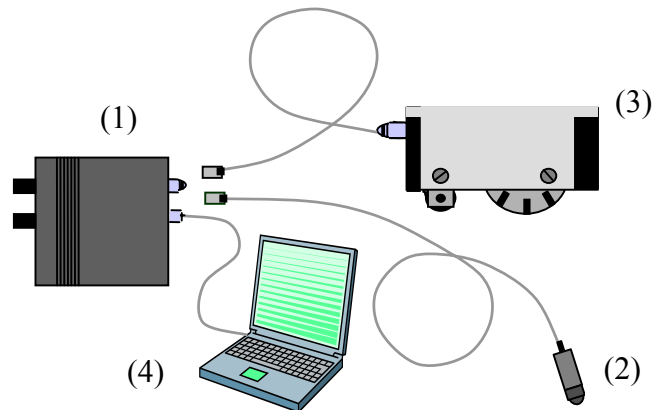
The data is plotted in a user modifiable, grayscale or color plot as either impact duration or stiffness. The raw data values can also be viewed in the Excel<sup>®</sup> worksheet.

## Basic Instrument Package:

- Electronics and Power Module (1)
- Hand Tapping Instrument (2)
- Software
- Connecting Cables
- 8 1/2" by 11" Templates
- Operating Manual
- Check Specimen
- Carrying Case

## Optional Items:

- Semi automated Tapping Cart (3)
- Laptop Computer (4)
- Additional Grids of Various Sizes



## Computer Requirements (Minimum):

- IBM Compatible, Pentium 200
- 128 MB of memory
- 200 MB of free disk space
- An open serial port.
- Windows 98<sup>®</sup>, 2000<sup>®</sup>, or XP<sup>®</sup>.
- Microsoft Excel 95<sup>®</sup>, 2000<sup>®</sup> or XP<sup>®</sup> Pro
- CD-Rom or 3 1/2 disk drive.

## Power Supply:

Eight AA-sized batteries

## Operating Temperature:

32°F to 110°F

## Warranty:

Six months from the date of delivery.