

The CATT System

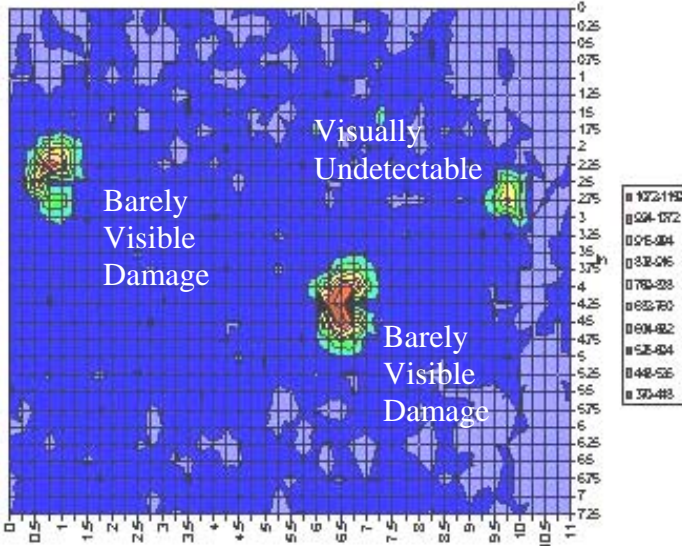


Image produced by the Computer Aided Tap Tester of three defects that resulted from impact damage.

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[®]-based software is used to setup a scan, to automatically log the data into a worksheet and to produce an image of the inspected area. The software requires approximately 1 MB of space on the computer hard drive.

Data Output:

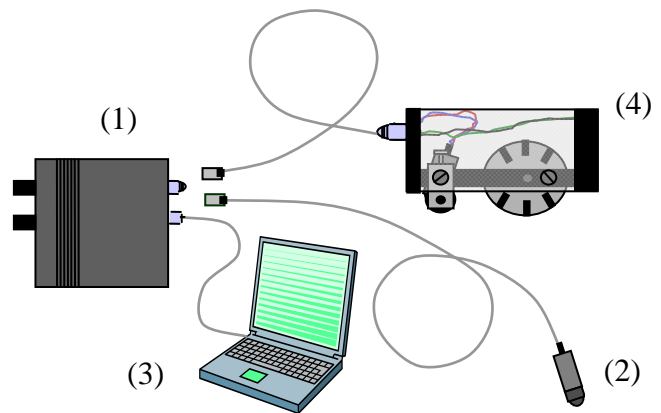
The data is plotted in a user modifiable, grayscale or color plot as either impact duration or stiffness. The raw data values can also be viewed in the worksheet.

Basic Instrument Package:

- Electronics and Power Module (1)
- Hand Tapping Instrument (2)
- Laptop Computer (3) and Software
- Connecting Cables
- 8 ½" by 11" Templates
- Operating Manual
- Check Specimen
- Hard Sided Carrying Case

Optional Items:

- Semiautomated Tapping Cart (4)
- Additional Grids of Various Sizes



Computer Requirements:

The CATT system is supplied with a mini-laptop computer but will run on any computer meeting the following minimum requirements.

- IBM Compatible, Pentium 200
- 128 MB of memory
- 200 MB of free disk space
- An open USB port.
- Windows 98[®], 2000[®], XP[®] or Vista[®].

Power Supply:

Runs on computer USB Power

Operating Temperature:

32°F to 110°F

Warranty:

Six months from the date of delivery.