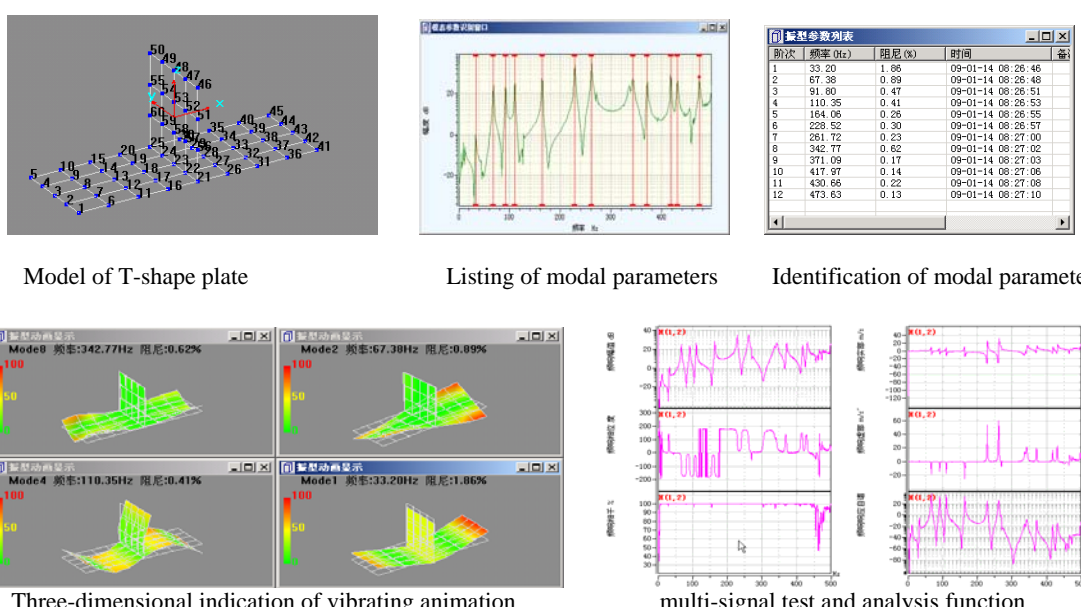# Basic Modal Test & Analysis Software — Model: YE7900

1.YE7900 Overall Introduction

YE7900 basic modal analysis software is our company's self-developed modal analysis software, which applies in the teaching and small project. It includes Experimental Modal Analysis (EMA) and Operational Modal Analysis (OMA). If matched with YE6231 series data acquisition system, YE6267 series dynamic data acquisition system, excitation system or impact hammer, it could be composed of EMA system with high performance price ratio.

2.YE7900 Major Performance

- **The Function of Building Module**: build common line, side, circle, cylinder and sphere form automatically, and the mentioned model could be composed of the needed model, also supports the edition, the adjustment and alteration of the model.

- **Highly Integrated**: matched with the correlative data acquisition software, the modal analysis of the acquired data could be made directly. Regarding the multi-batch tested data, single or some batch data could be analyzed so as to validate the experiment.

- **Support All Kinds of Frequency Spectrum Analysis:** the analysis of the amplitude frequency, phase frequency, real and imaginary frequency, Nyquist plot, and the auto and cross spectrum of the signal.

- **Modal Parameter Identifying**: applies in the traditional EMA of input/output testable condition, moreover, applies in the OMA of exciting environment and response test.

- **Modal Shape Animated Display**: the mode shape could be responded by the adjustable animated display

- **Generating Reports Easily**: identifying the modal parameters, easy output, curves saved in the formats of BMP or JPG, mode shape animation could be educed AVI file directly, and multimedia experimental reports could be generated easily.

3. YE7900 Partial Interface

Model of T-shape plate

Listing of modal parameters

Identification of modal parameters

Three-dimensional indication of vibrating animation

multi-signal test and analysis function

Note: please contact us for the latest functions of YE7900 because of the continual upgrading of the software.