

# ANAPRO

## Analysis Processor



[www.shear3d.com](http://www.shear3d.com)

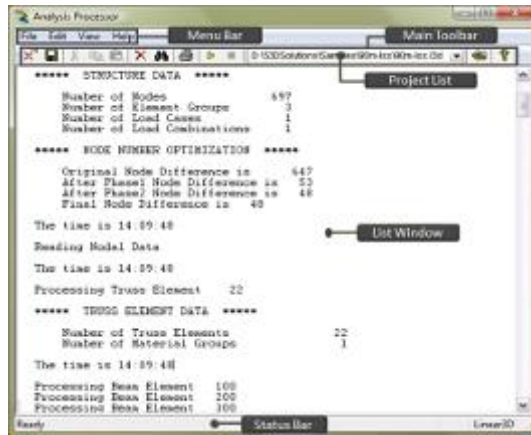
Welcome to Shear3D Consulting. Home to Structural Engineering Professionals.

## Product Information Brochure



Analysis Processor (ANAPRO™) is software application designed to enable engineers to carry out analysis of structures to understand the behavior under external forces. It is designed for Windows® operating systems.

It can be used to analyze 3D structures modeled using Truss, Beam, Spring and Plate/Shell elements. It can be used independent of any modeling software package. It provides a comprehensive set of features to enable a structural designer to analyze and



investigate the behavior of the structure. This enables engineers to design the structure with sound engineering judgment.

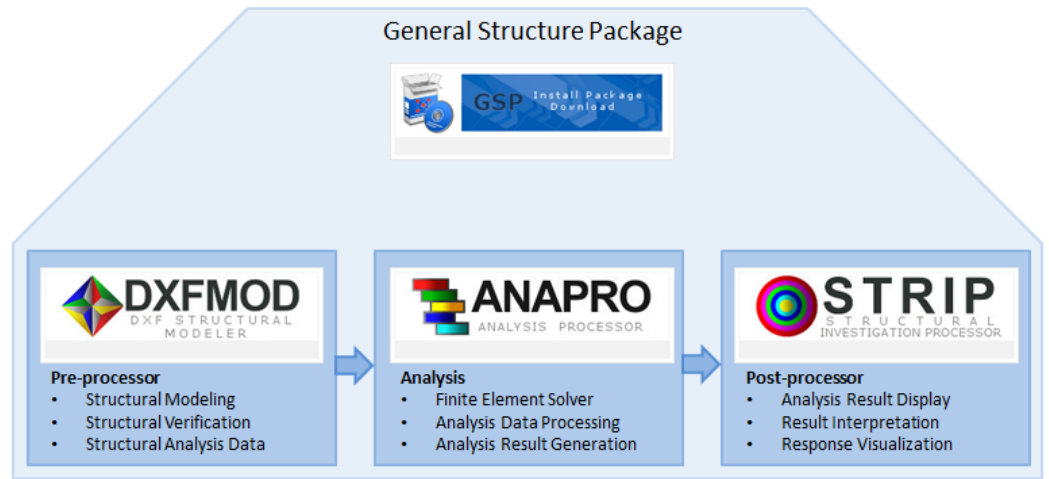
Analysis Processor is completely integrated with the DXFMOD and SLAM for modeling, input data generation and with STRIP for post-processing of analysis results for truss,

ANAPRO provides extensive features for general structural analysis of catering to the needs of structural engineers. Some of the features are listed below.

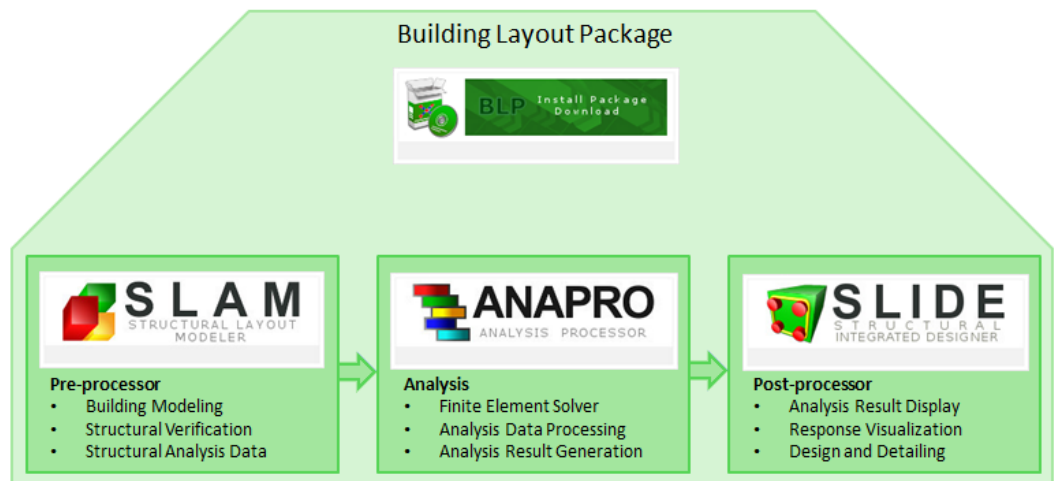
- Linear Static Analysis
- Three dimensional Truss, Beam, Spring and Shell elements
- Joint and Element loads/pressure
- Multiple load cases
- Load combinations
- Extensive data checking and error handling
- Ability to control analysis result output
- Binary data files for graphical response visualization
- Integration of results with STRIP and SLIDE applications

## Solution Package

DXFMOD is released as part of both General Structure Package and Building Layout Package. General Structure Package includes applications that provide user friendly interface that enables engineers to model, preprocess, analyze and post-process general structures.



Building Layout Package includes applications that provide user friendly interface that enables engineers to model, analyze, design and detail RC multilevel structures with ease and efficiency, increasing accuracy, confidence and reducing overall time.



## About Software Products

We share decades of experience in consulting and software development, in the form of convenient and efficient structural engineering software applications, to solve every day structural engineering challenges with ease and confidence. These applications help to take a structural engineering problem from conceptual creation to engineering analysis to final design and drawings. They have been proven by use in modeling, analysis and design of small to large projects by practicing structural engineers in-house and other reputed consulting companies.

All applications are designed to help structural engineers and provide:

- End to End solution for structural engineering problems
- Easy to use user interface with least learning curve
- Detailed online help documentation access
- Eliminate monotonous tedious tasks and eliminate errors
- Analyze and Design structures with ease and confidence

## Software Products

Shear3D Consulting has a full set of comprehensive structural engineering applications. Overviews



Dialog based interactive application to quickly design /verify / detail individual structural components. BEAM, COLUMN, SLAB, ISOLATED FOOTING and COMBINED FOOTING. -- FREE Design Modules –



Application to model general structures for structural analysis. Leverages DXF format to convert CAD model to structural models. Provides pre-processing features to verify accuracy of modeling.



Finite element method based solver to analyze structural models. Provides Truss, Beam, Spring, Plate/Shell elements needed to simulate and analyze normal structures by structural engineers



Application to post-process structural analysis data. Provides extensive set of features to understand the behavior of structures. Designed to work with other 3rd party structural model and analysis tools using neutral format.



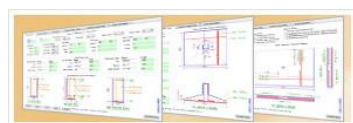
Application to model multi-level RC frame-slab building structures subject to static and seismic load conditions as per IS code requirements. Provides features for easy and accurate modeling, with reduced modeling time.



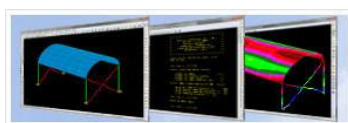
Application to design and detail RC structure as per IS code in an interactive or automated environment. Provides features to post-process analysis data to understand the behavior of structure, design and generate detailed drawings.

## Software Solutions

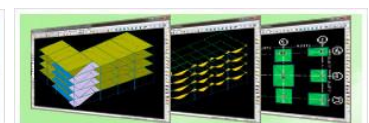
We provide software solutions to the needs of structural engineers. Our solutions are packaged in three convenient forms catering to the various levels of solution required by structural engineers.



This package includes applications that provide user friendly interface to design, verify and detail individual structural components in an interactive environment. Very useful for everyday quick design and checking..



This package includes applications that provide user friendly interface that enable engineers to model, preprocess, analyze and postprocess general structures. Provides DXF interface to leverage CAD data as input for modeling and output for reporting..



This package includes applications that provide user friendly interface that enable engineers to model, analyze, design and detail RC multilevel structures with ease and efficiency, increasing accuracy, confidence and reducing overall time..

## Contact

Please visit us on the web at [www.shear3d.com](http://www.shear3d.com) for more details on comprehensive solutions offered by Shear3D Consulting. If you have questions, please contact us through email at [info@shear3d.com](mailto:info@shear3d.com).