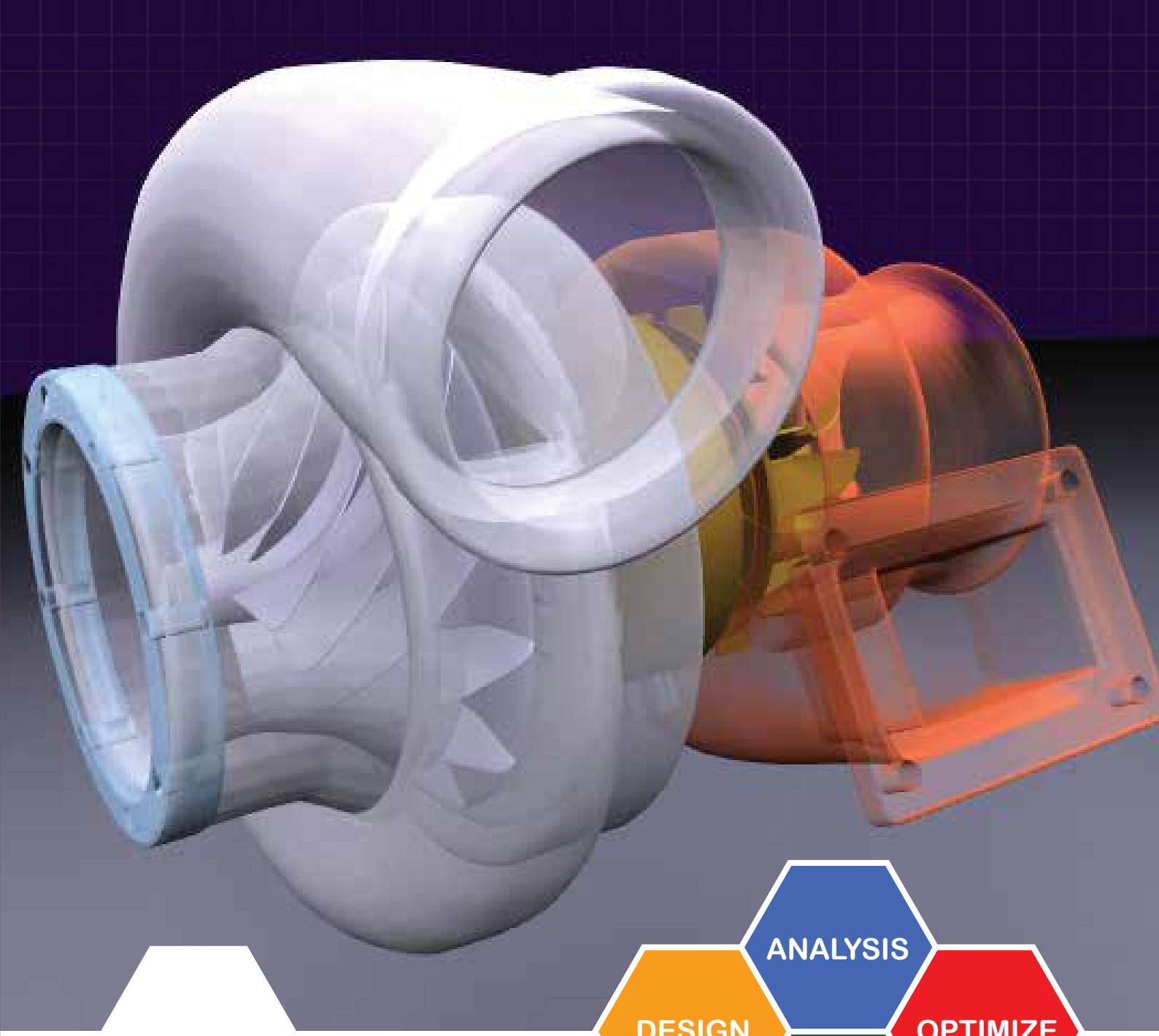
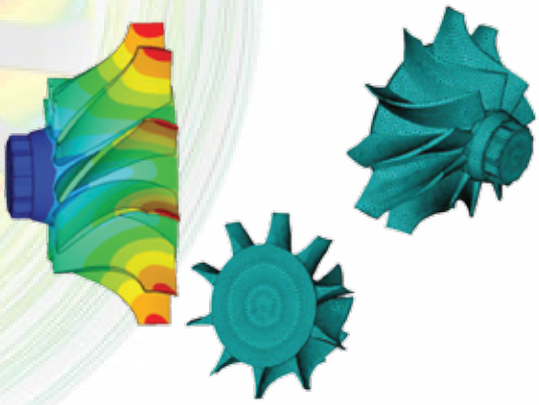


MEAN LINE TURBOCHARGER ANALYSIS MODULE

FOR INTERNAL COMBUSTION ENGINE CHARACTERISTICS SOFTWARE

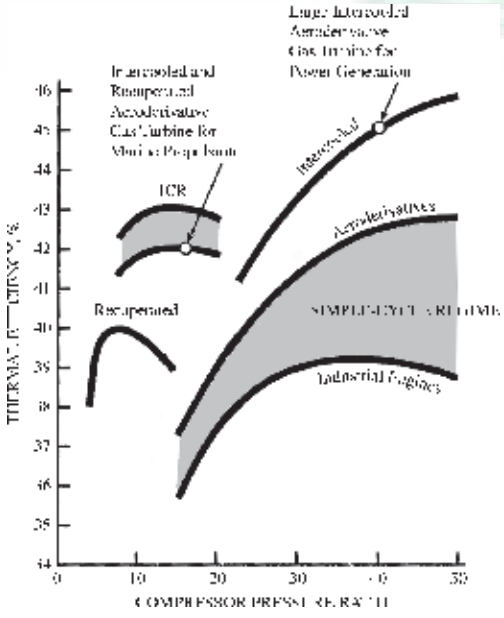
Description

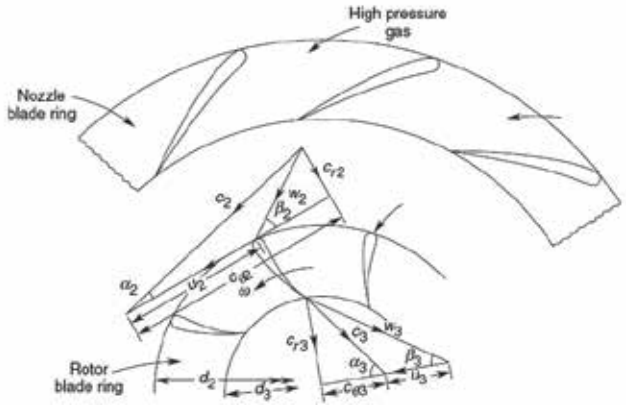
- The turbo-compressor model embeds features enhancing the understanding and outcome of the model with possibility to set geometrical input parameters and loss mechanisms. More in detail:
  - The turbo-compressor model is zero-dimensional in nature,
  - The flow characteristics are calculated on a single streamline,
  - The turbo-compressor units are divided into different stations where the continuity equation needs to be satisfied,
  - The loss mechanisms within the turbo-compressor are calculated by an integrated set of loss models,
  - The loss model is based on available literature with calibrated coefficients,
  - The loss model is customizable and the impact of each loss mechanism on turbo-compressor performance can be calculated,
- The turbine model includes different geometries: vaneless and variable geometry
  - The vane angles can be varied thus assessing the impact on performance
- Customized set of loss mechanisms included in the variable geometry turbine



Minimum PC Requirement

- 3rd Generation Intel®Core™ i5-3330S Processor
- 4 GB DDR3 SDRAM
- 1 TERA Hard Drive
- 18.5"W HD Monitor with WLED
- 1 Year Limited Warranty





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"Analysis Tool for Educational Purpose"