

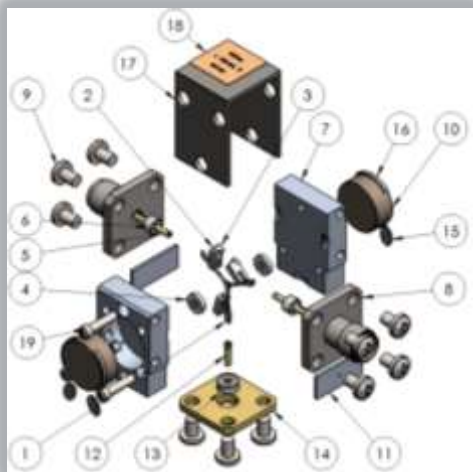
# ELECTROMAGNETIC AND MECHANICAL MODEL

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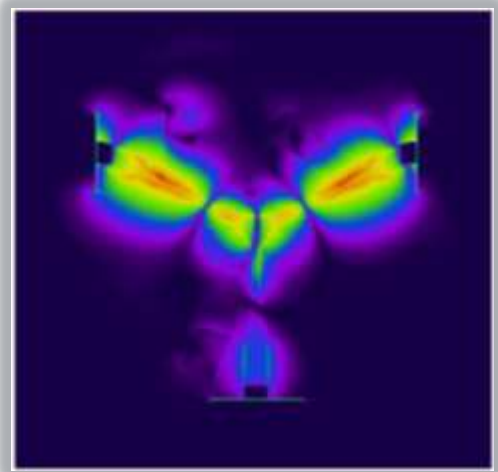
DiTom microwave is equipped with multiple state of the art software suites for mechanical and electromagnetic analysis of its products. This analysis is intended to complement the results of real life environmental testing and product measurements to illustrate DiTom's product's performance under the specified environmental conditions of their intended applications.

For more detailed information on Electromagnetic and Mechanical Modeling please contact us at 559.255.7042 or email us at [sale@ditom.com](mailto:sale@ditom.com).

1. Electromagnetic Software
  - A. Software Title: Xfdtd
  - B. Provider: REMCOM
2. Electromagnetic Modeling Process
3. Electromagnetic Model
4. Mechanical Software
  - A. Software Title: Solidworks
  - B. Provider: Dassault Systems
5. 3D Modeling Process
6. 3D Mechanical Model
7. 3D Mechanical Analysis
  - A. Resonant Frequency
  - B. Thermal Analysis
  - C. Pryoshock - SRS
8. FMECA – Failure Modes Effects and Critically Analysis



3D EXPLODED VIEW



E-FIELD VISUALIZATION