

#### **Product Tolerance Representation:**

#### Critical Requirements for Product/ Process Interoperability



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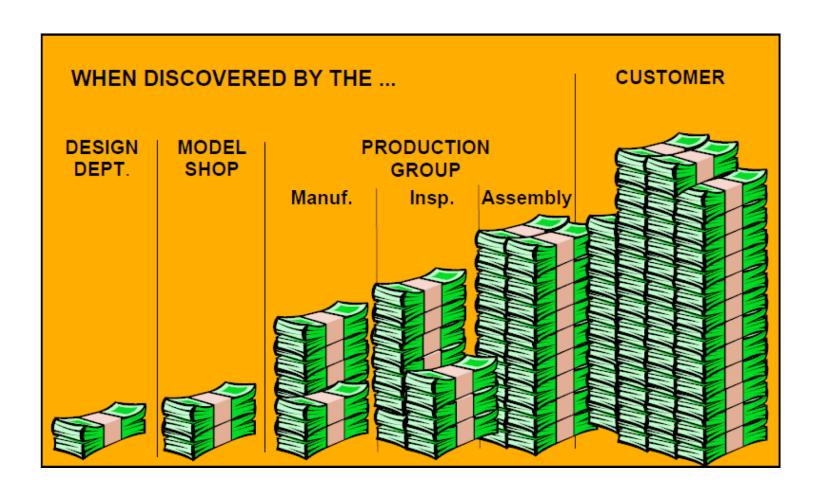


#### GD&T: Critical... and Overlooked

- Missing: a true semantic GD&T representation in CAD/PLM products
- Why is this needed?
  - For proper part tolerancing
  - For interoperability with downstream applications
- Good standards allow for the creation of software tools that solve universally held problems



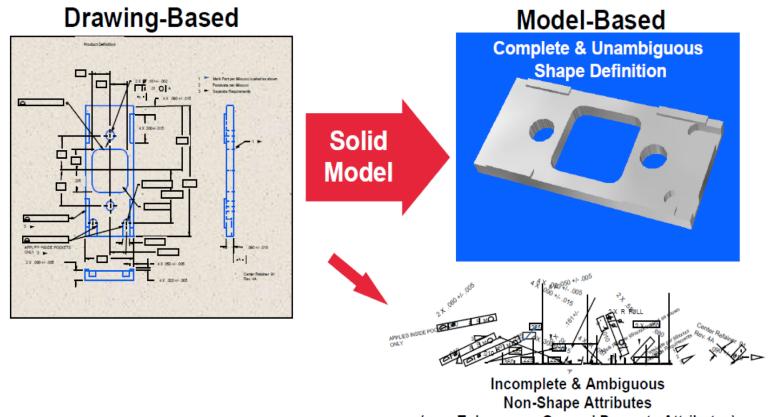
## Cost of a Design Error





### Interoperability is Key

#### INCOMPLETE AND AMBIGUOUS PRODUCT DEFINITION



(e.g., Tolerances, General Property Attributes)



# New Possibilities for Software Innovation

Augment Product Tolerance Information for Downstream Applications

