Key Enablers of a successful and profitable MBD process

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Key Enablers Overview Agenda

- Digital Thread Goal
 - "We want the Digital Thread to go from Engineering all the way through our Installed Base..."

GE's Jeff Immelt on digitizing in the industrial space \mid McKinsey \ldots

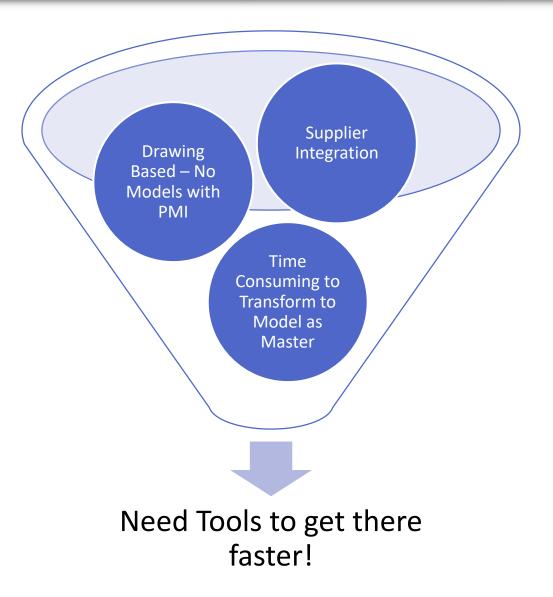
- Agenda
 - The Vision
 - The Reality
 - The Solution
 - Demonstration video
 - The Next Steps



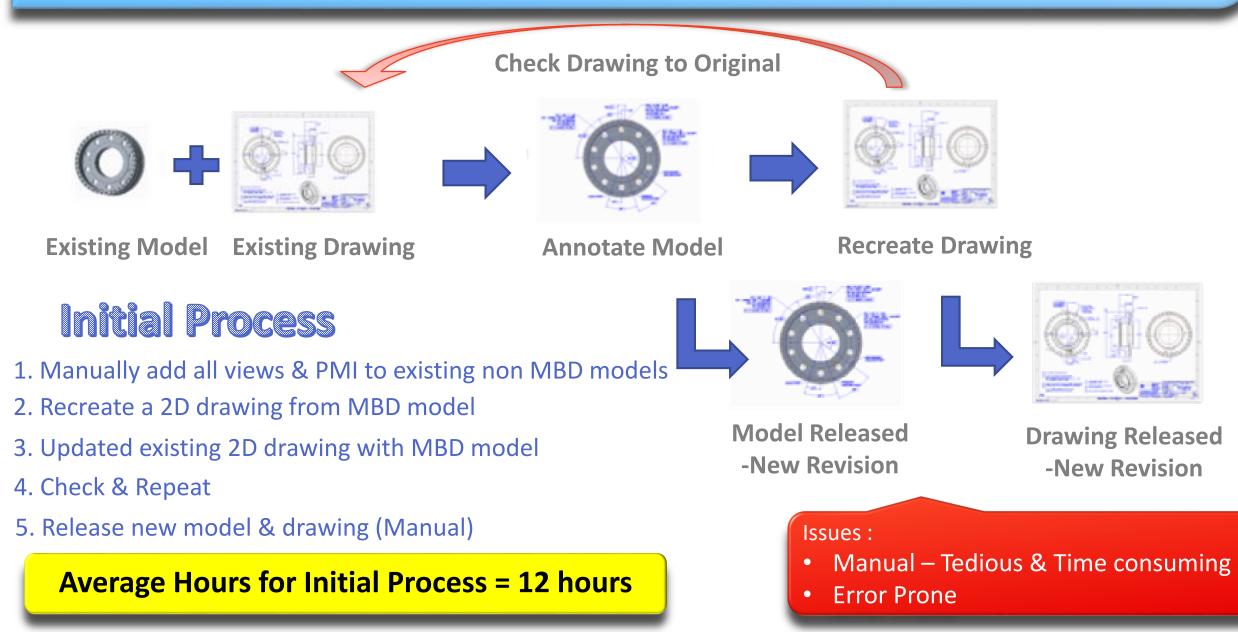




Becoming a Model Based Enterprise – Reality Starts at the Model



Legacy Process to create MBD models from Drawings



New Process to create MBD models from Drawings



Existing Model

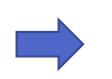


Existing Drawing



Synchronize 2D to 3D

Capvidia App in Creo





Combine Views Enhance MBD

New Process

- 1. Automatically Synchronize 2D drawing with 3D model
- 2. Combine Annotations & Simplify Views, apply MBD Schema, Check Metrological Readiness
- 3. Re-release Model & Drawing

Average Hours for New Process = 1.2 hours

→

Model Released -New Revision

Automated:

- 10X Faster + Time savings
- Quality increased significantly

Return On Investment



Additional features = Conversion to STEP AP 242 & QIF formats for Manufacturing & Supplier consumption



Simplify Release Process

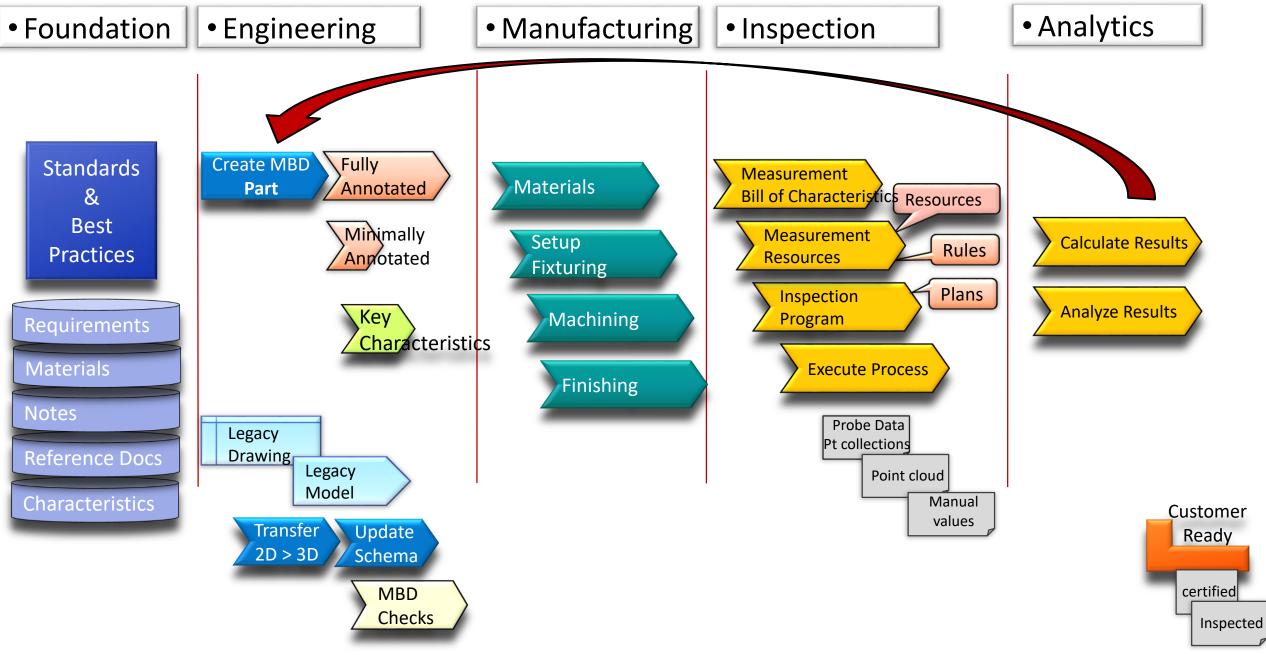
- No Need to Redo Drawings
- Simple one button application

Metrics

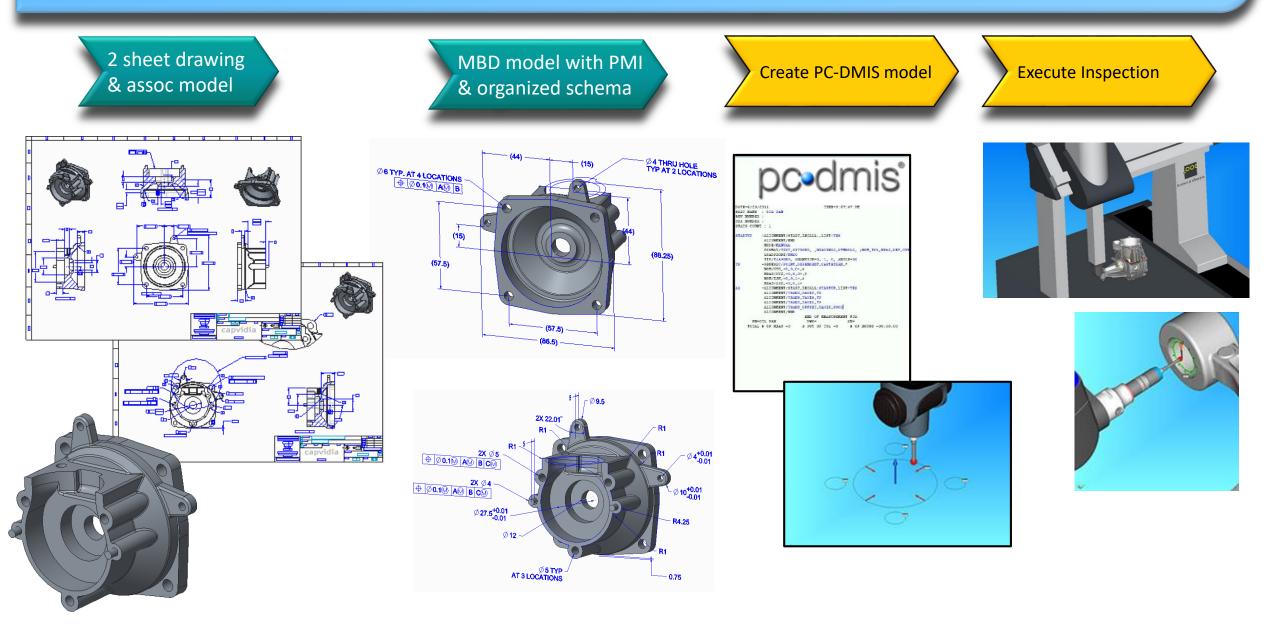
90% reduction in engineering hours
Automated checking to legacy drawing – Zero errors

ROI: Return on Investment is less than 90 days

Getting to the End game – useable parts



Demonstration/Video 2D drawing to CMM



2D Drawing Annotations Synchronized with 3D Model





Comments, thoughts?

Thank You