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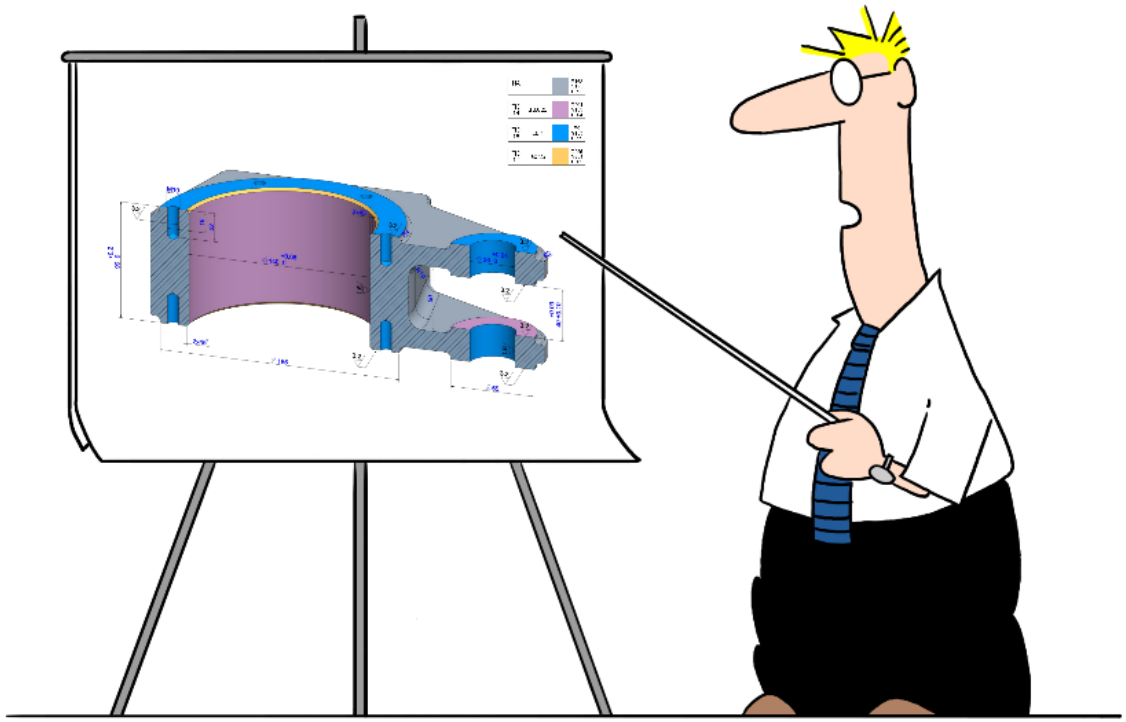
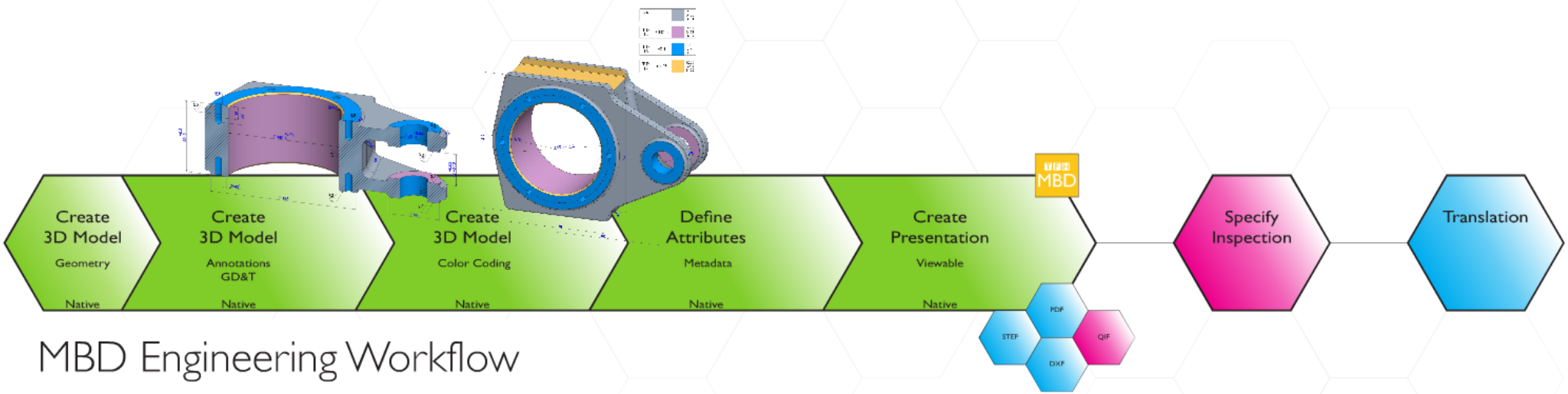
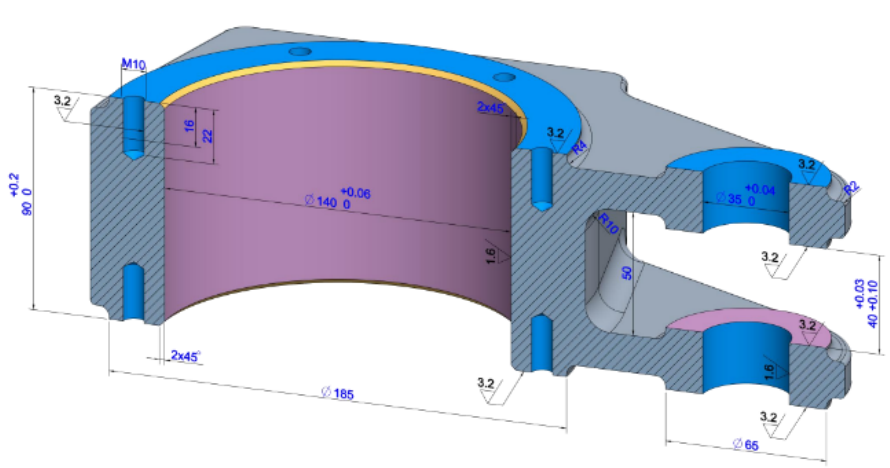


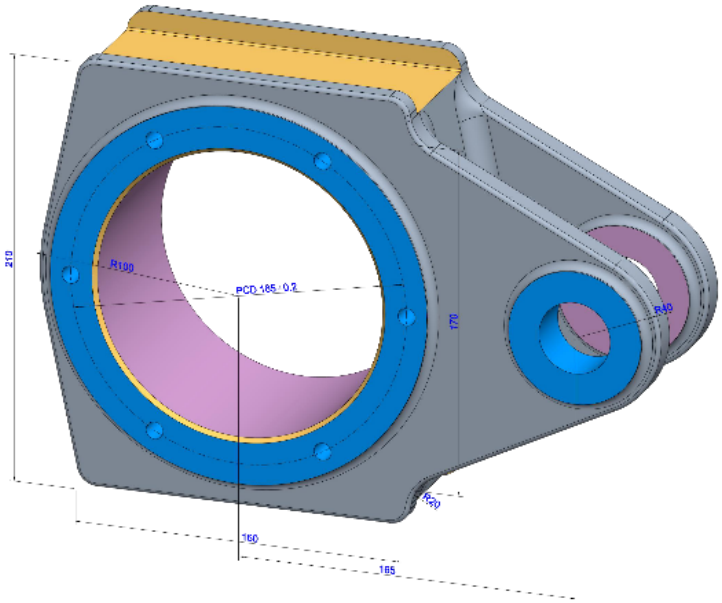
MBD gives us the oppertunity to put more info in CAD Model




# MBD Engineering Workflow

## Color Coding in CAD Model

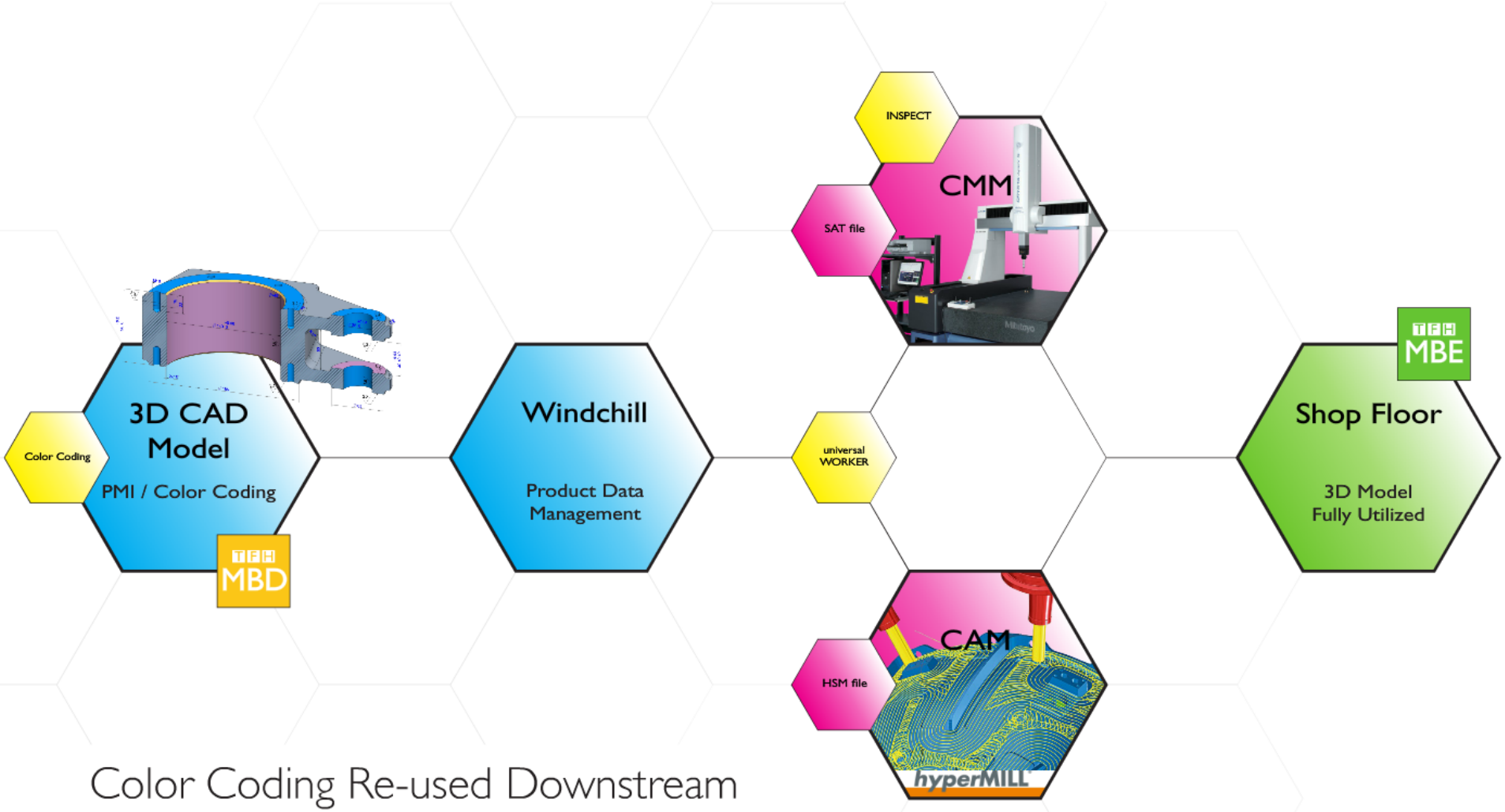



| | | |
|---|---|---|
| NA | | R182 G175 B181 |
| TID 14 | ±0.025 | R204 G153 B204 |
| TID 16 | ±0.1 | R0 G168 B200 |
| TID 17 | ±0.25 | R255 G204 B102 |

## Color Coding Definition

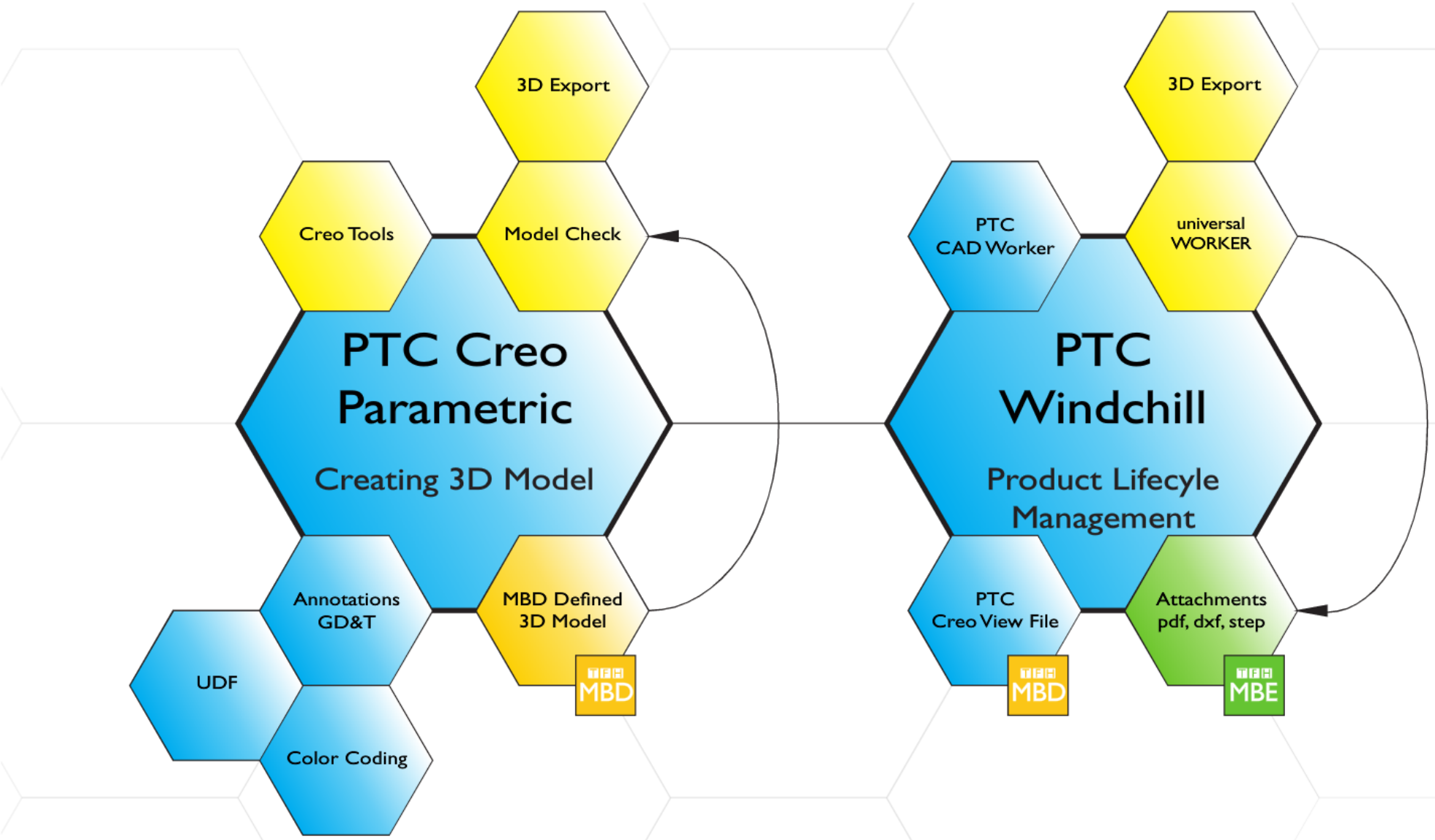
-All CAD data *(dimensions)* nominal
-All colors represent tolerance, surface threatment or additional info
-Base coordinate system has to be defined (Reference for CAD/CAM and CMM)
-GD&T
-Only additional dimensions are allowed, in case color coding could not be defined *(curves, intersections, edges)*

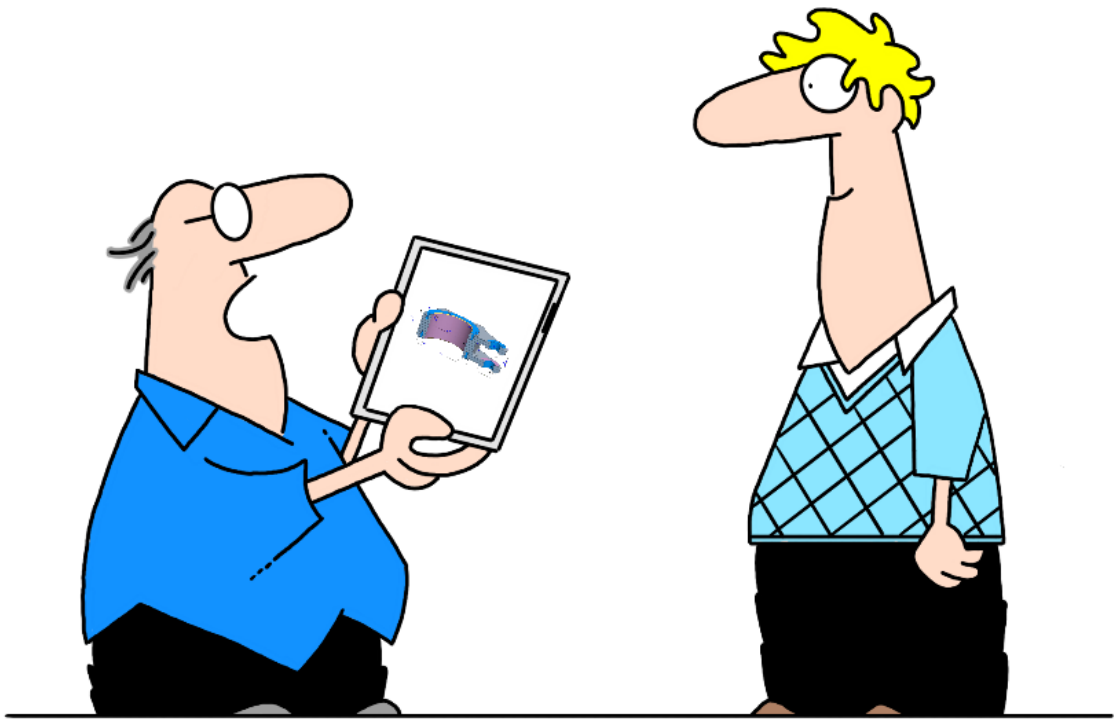



# Color Coding Re-used Downstream

100% Product definition in the CAD model
Quality enhancement CAD model
TFH MBE
MBD Benefits
30-50% Time reduction on engineering
Consistency by "1 way of working"

100% Product definition
50% Faster time to market
TFH MBE
50% More collaboration
MBD
Figures and Facts
50% Time saved in general
More info for manufacturing
Less Resources
Absolute Reliability


3D Export
Creo Tools
Model Check
PTC Creo Parametric
Creating 3D Model
Annotations GD&T
MBD Defined 3D Model
UDF
Color Coding
TFH MBD
3D Export
PTC CAD Worker
universal WORKER
PTC Windchill
Product Lifecyle Management
PTC Creo View File
Attachments pdf, dxf, step
TFH MBD
TFH MBE



How about a demo as the first step to see the definition?

# Innovations

keep up with us

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