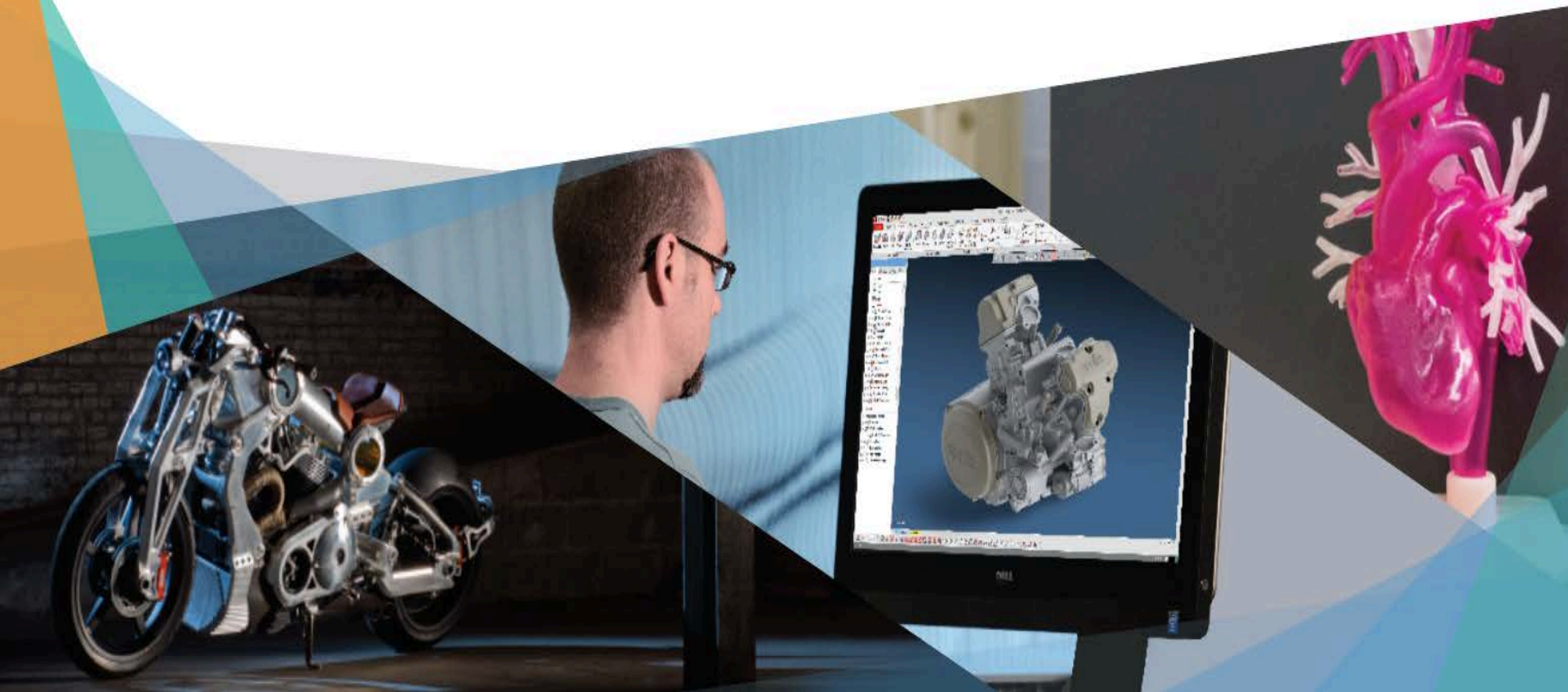
Die Design and Build Standards

Die Design Tools to Help Ensure Correct Die Build



Agenda

We will look at…

- Avoidable pain
- Capturing the way you build dies
- Software that ensures holding your standards
- Eliminating NC errors

Cimatron is now part of 3D Systems

THINGS ARE GETTING BIGGER AND BETTER

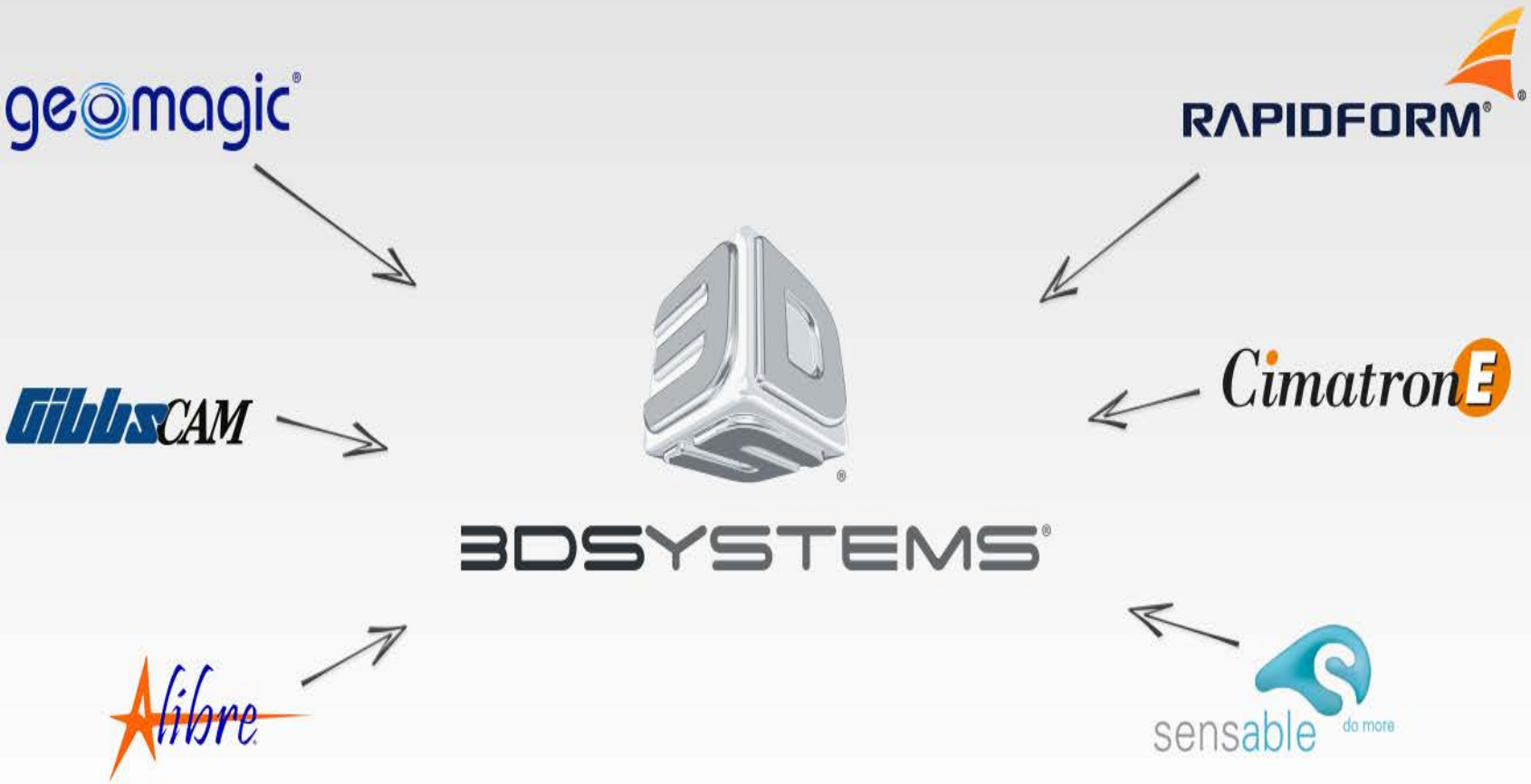
As one of the early pioneers developing CAD/CAM software for manufacturing, **Cimatron** will continue its **33 year legacy** going forward as part of **3D Systems**.

Look forward to new opportunities for MANUFACTURING THE FUTURE!

For more information go to:
www.3dsystems.com
www.cimatrontech.com

3DSYSTEMS

MORE SOFTWARE SOLUTIONS WERE ADDED TO 3D SYSTEMS PORTFOLIO



END-TO-END SOLUTIONS
FROM DESIGN TO MANUFACTURING

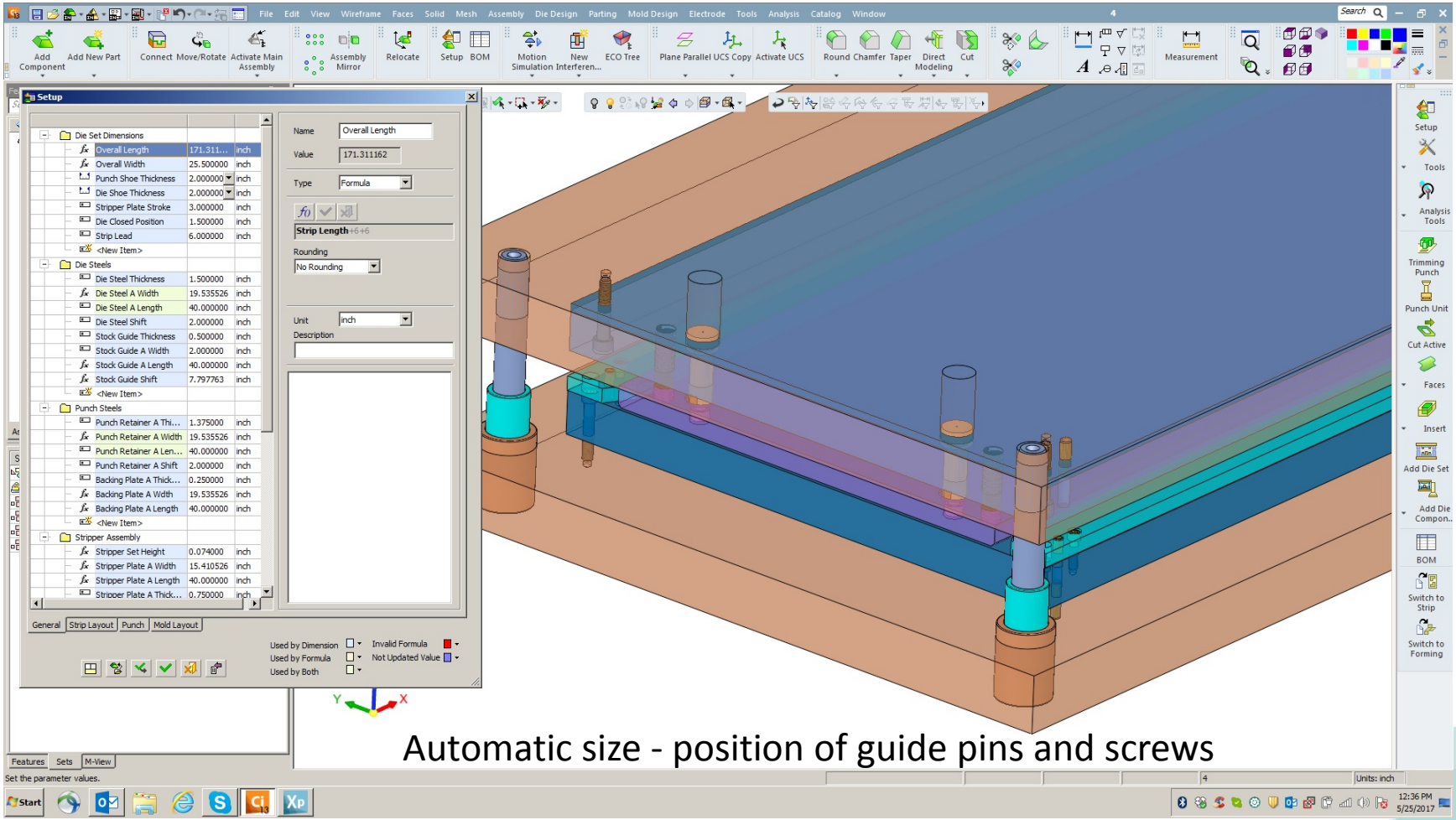
Pain

Screw – not enough **thread depth**

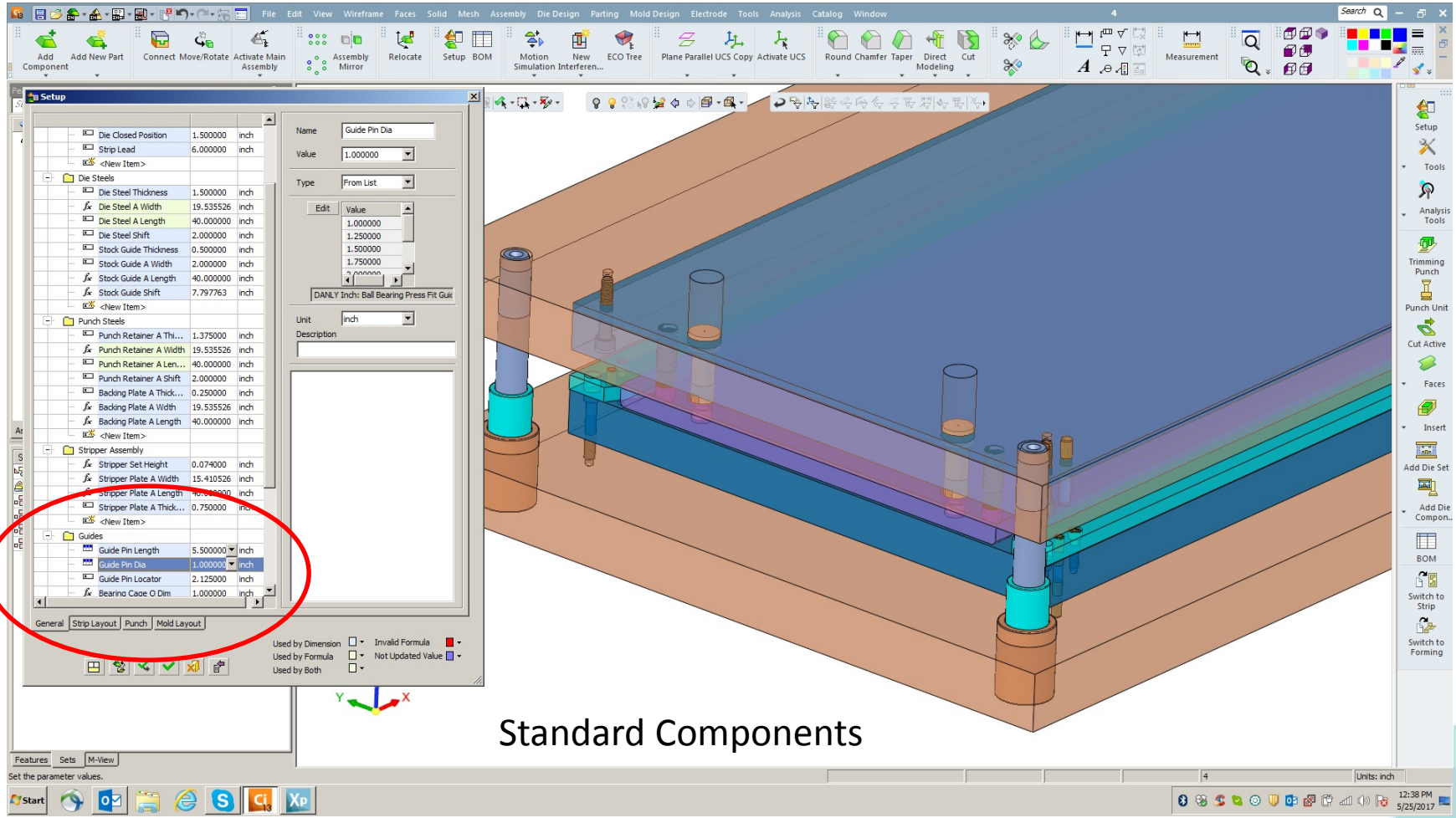
Pain

Dowel Pin – hole cut as **slip fit** instead of **press fit**

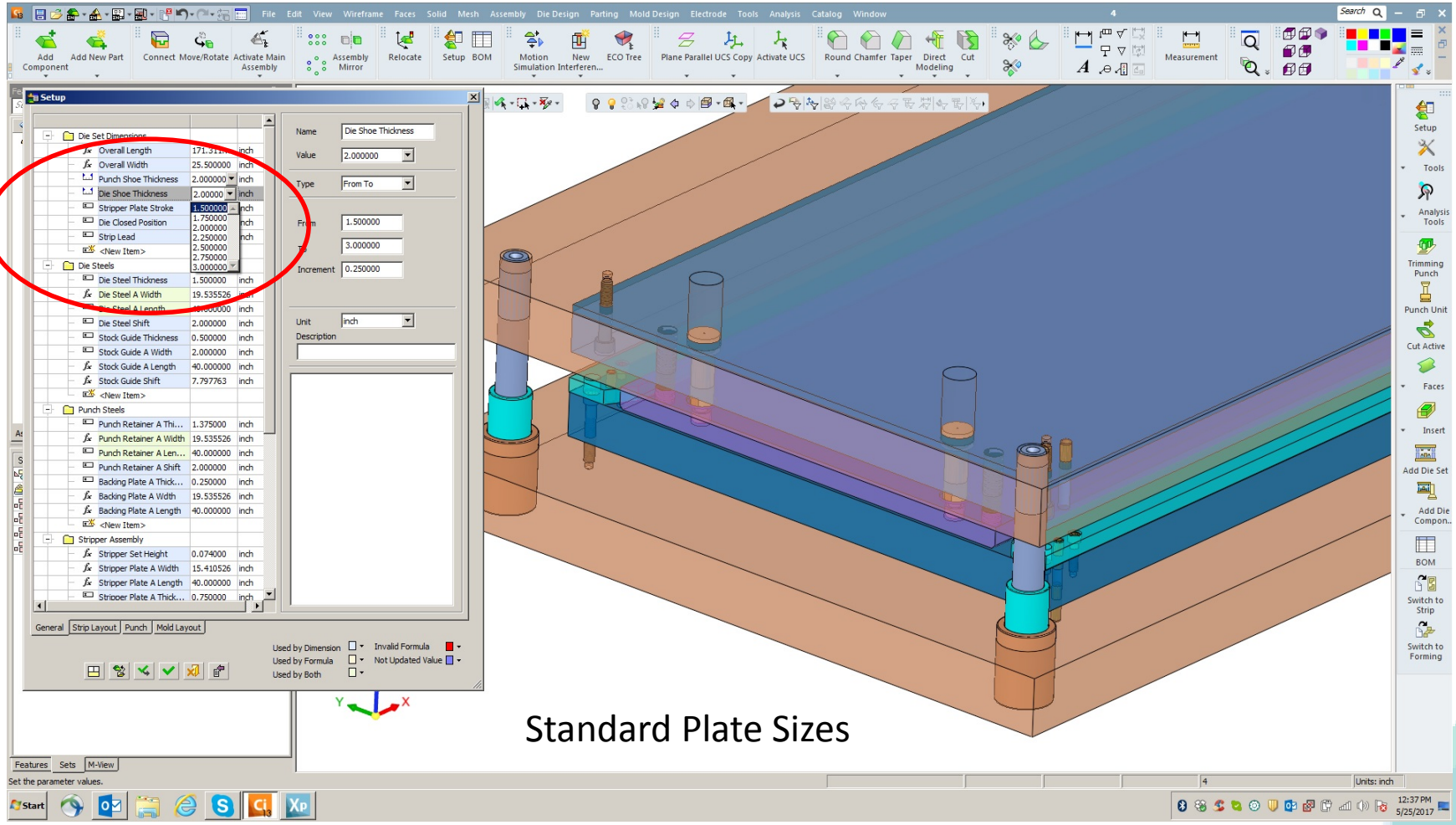
Using Standards



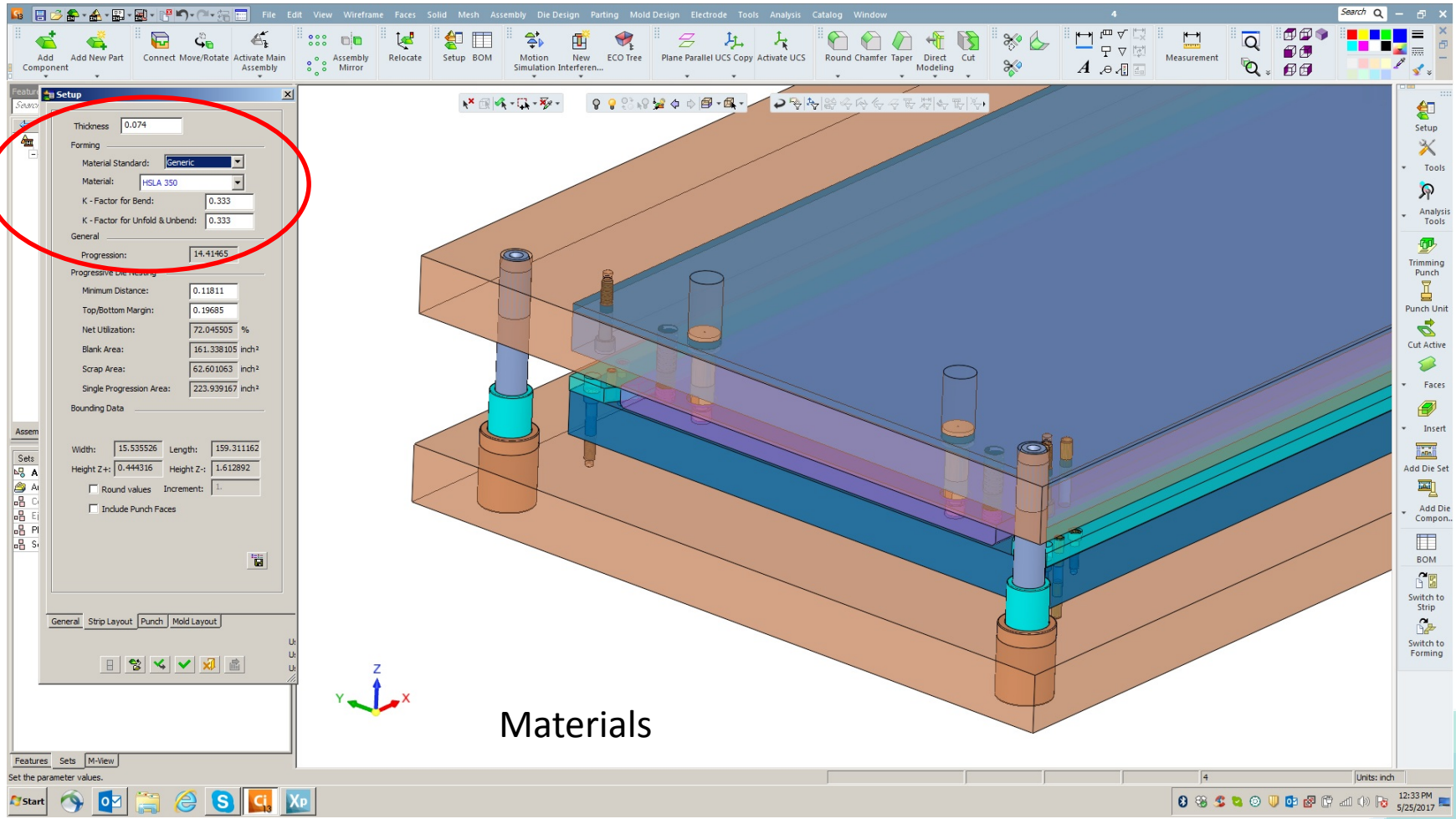
Using Standards



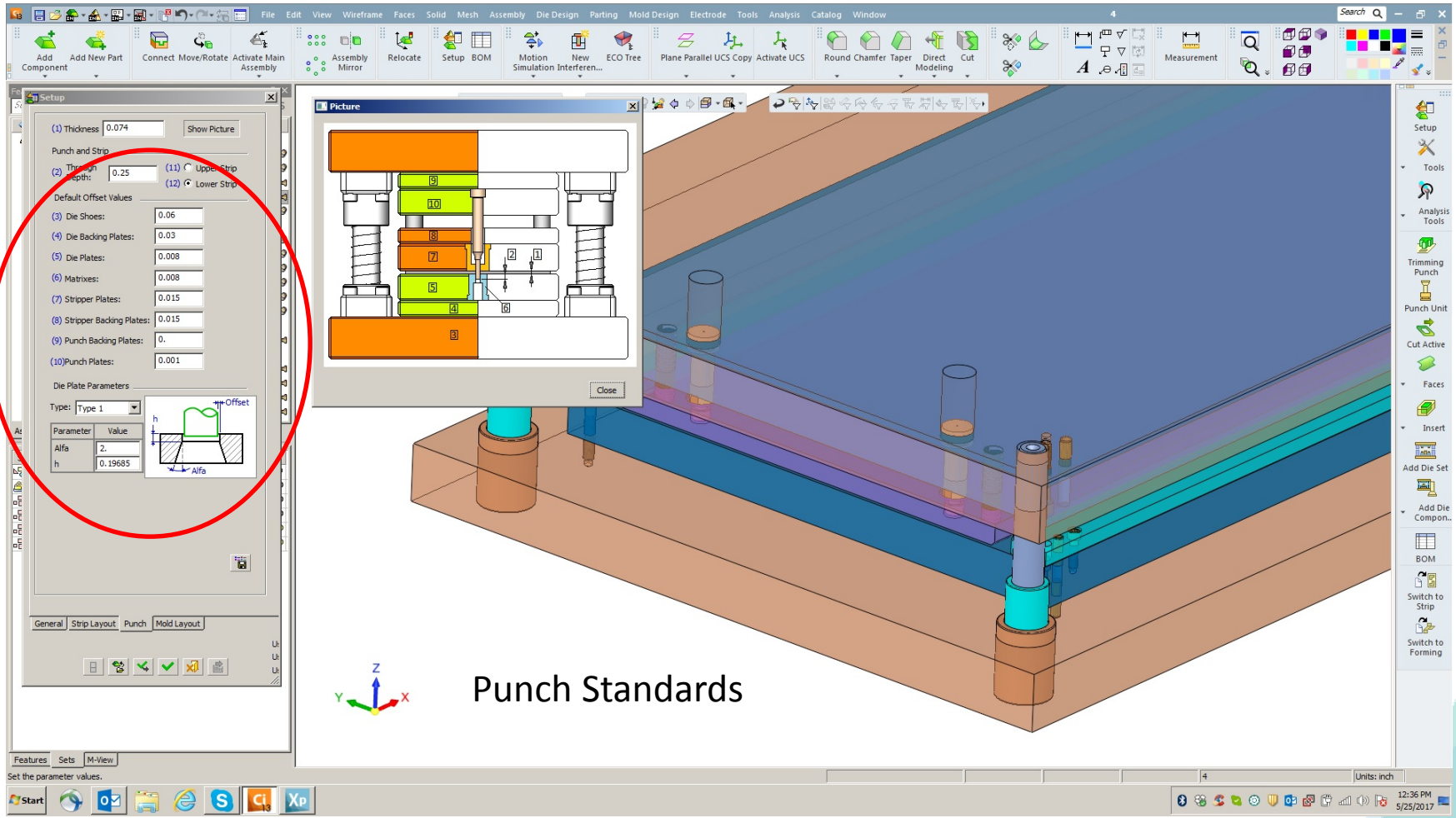
Using Standards



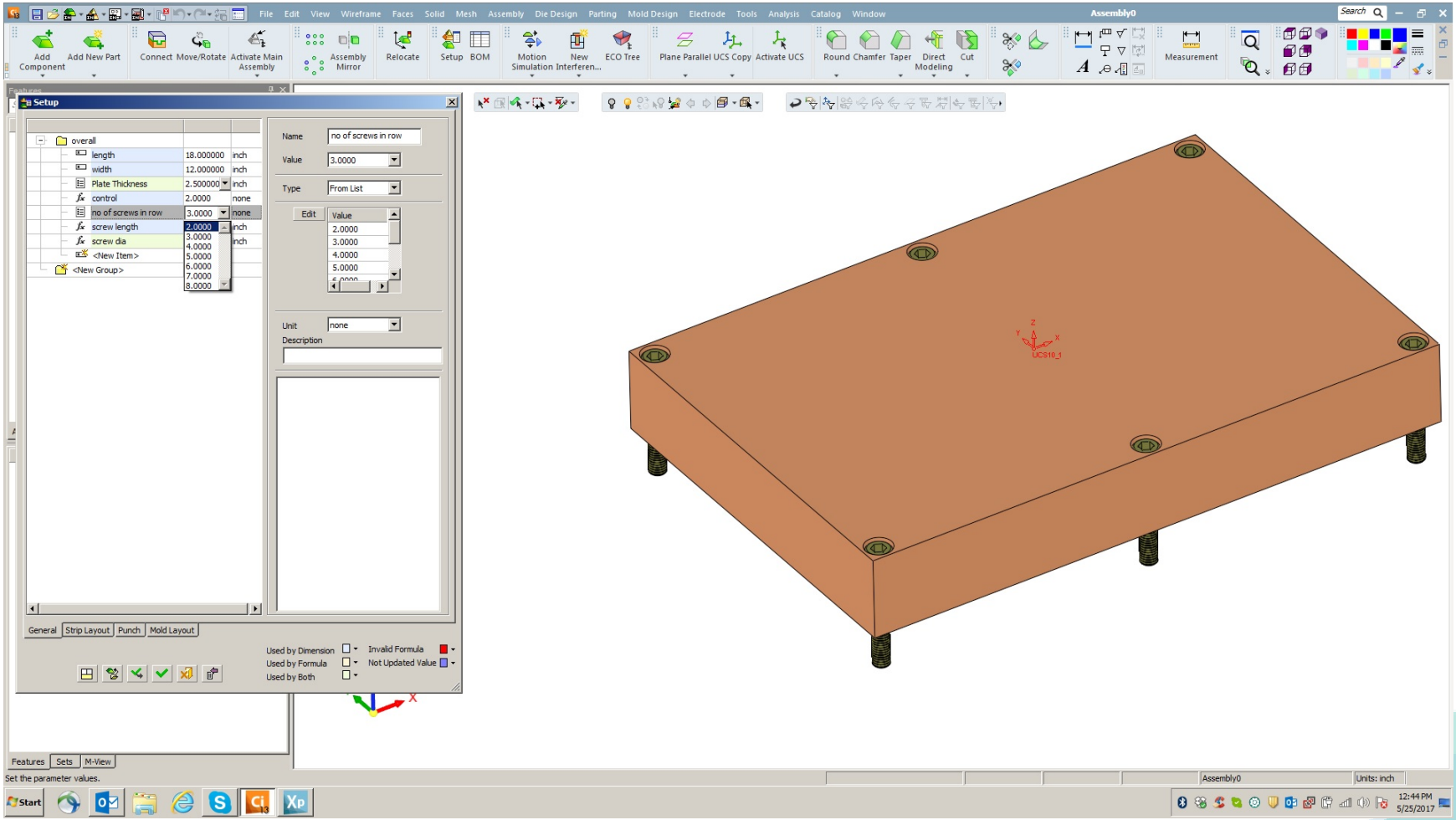
Using Standards



Using Standards

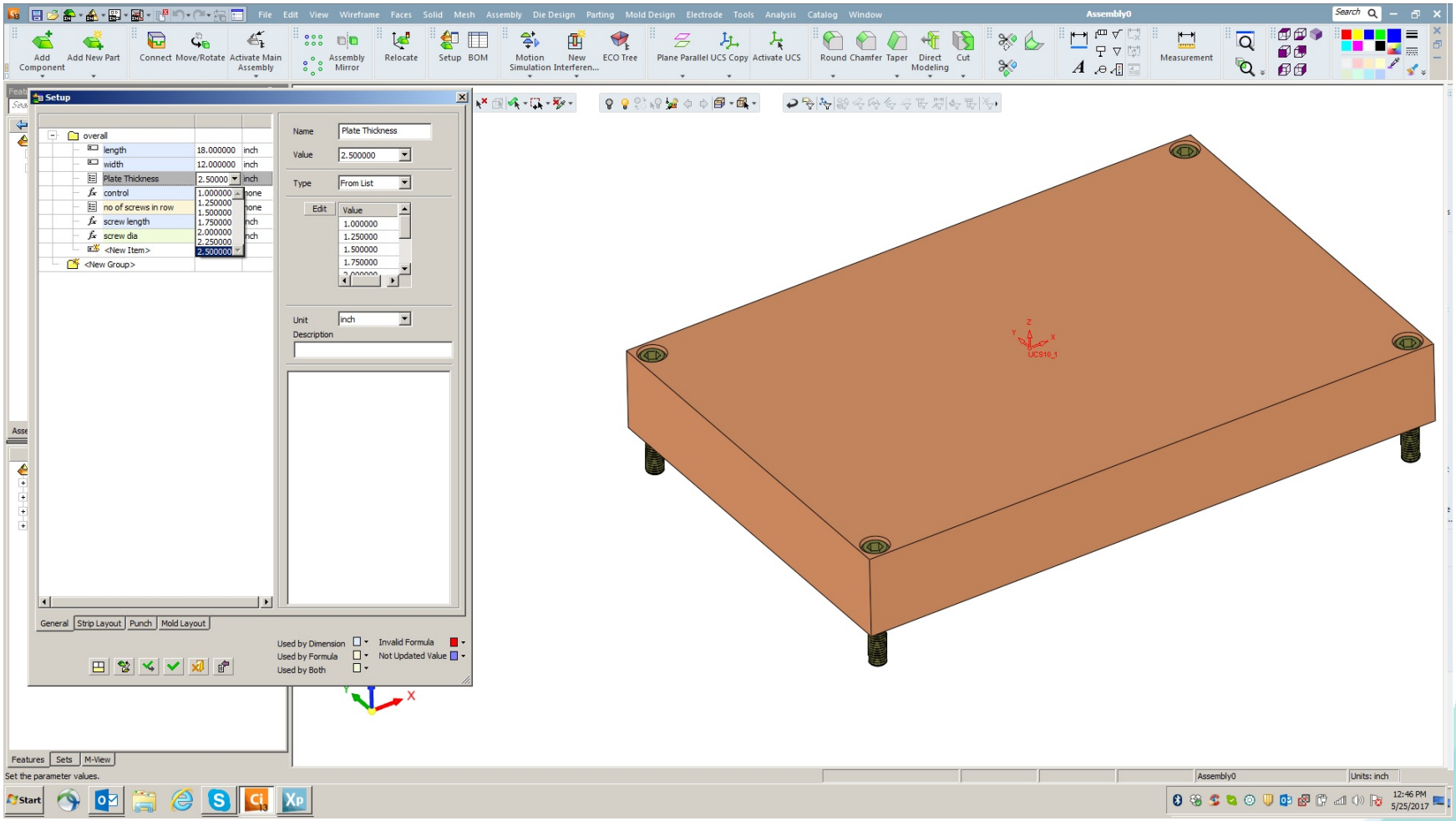


Components


Setup
overall
length 18.000000 inch
width 12.000000 inch
Plate Thickness 2.500000 inch
control 2.0000 none
no of screws in row 3.0000 none
screw length 2.0000 inch
screw dia inch
<New Item>
<New Group>
2.0000
3.0000
4.0000
5.0000
6.0000
7.0000
8.0000
Name no of screws in row
Value 3.0000
Type From List
Edit
Value
2.0000
3.0000
4.0000
5.0000
Unit none
Description
General
Strip Layout
Punch
Mold Layout
Used by Dimension
Used by Formula
Used by Both
Invalid Formula
Not Updated Value
Features
Sets
M-View
Set the parameter values.
Assembly0
Units: inch

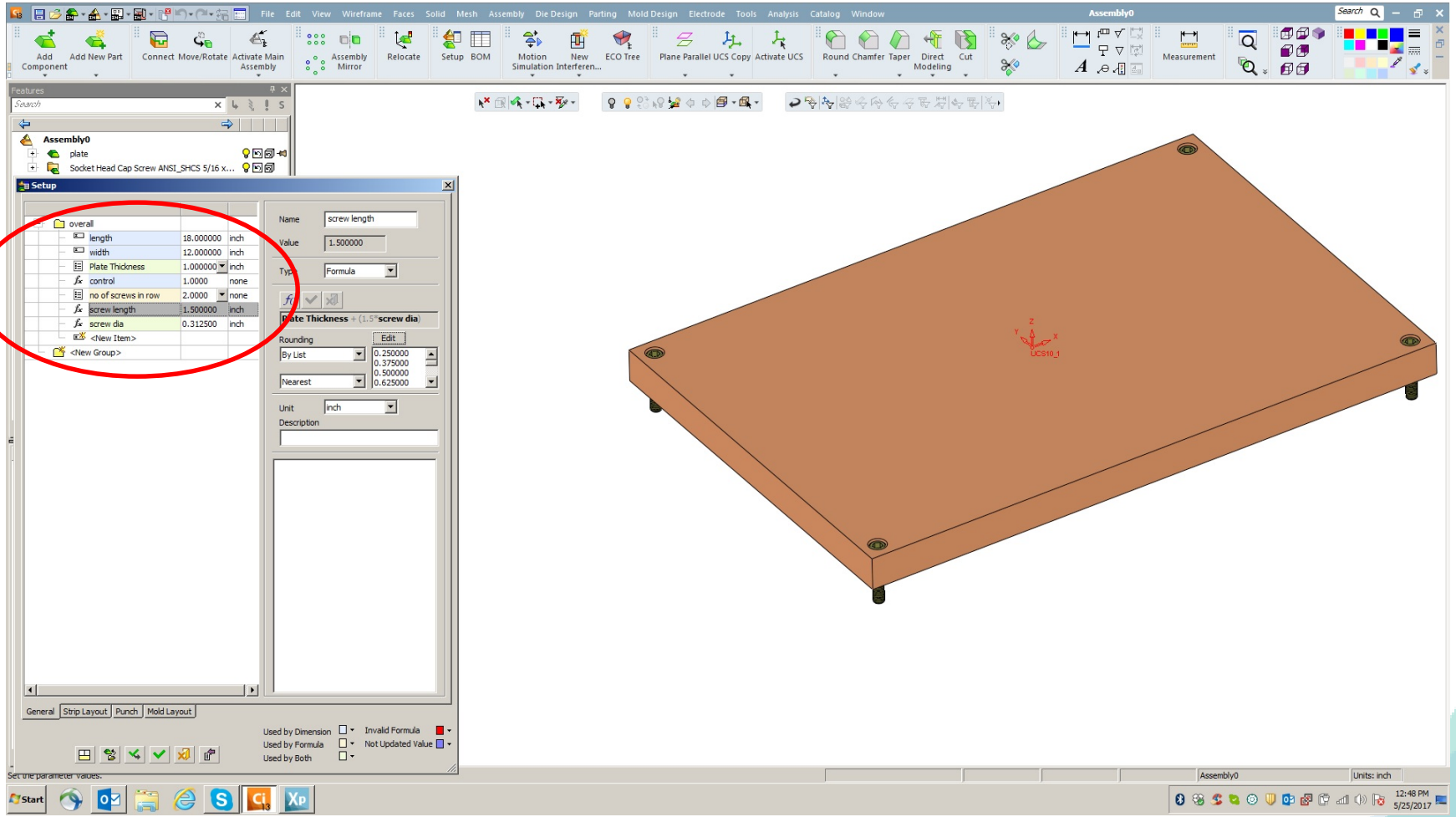
Rules

Length of plate determines number of screws

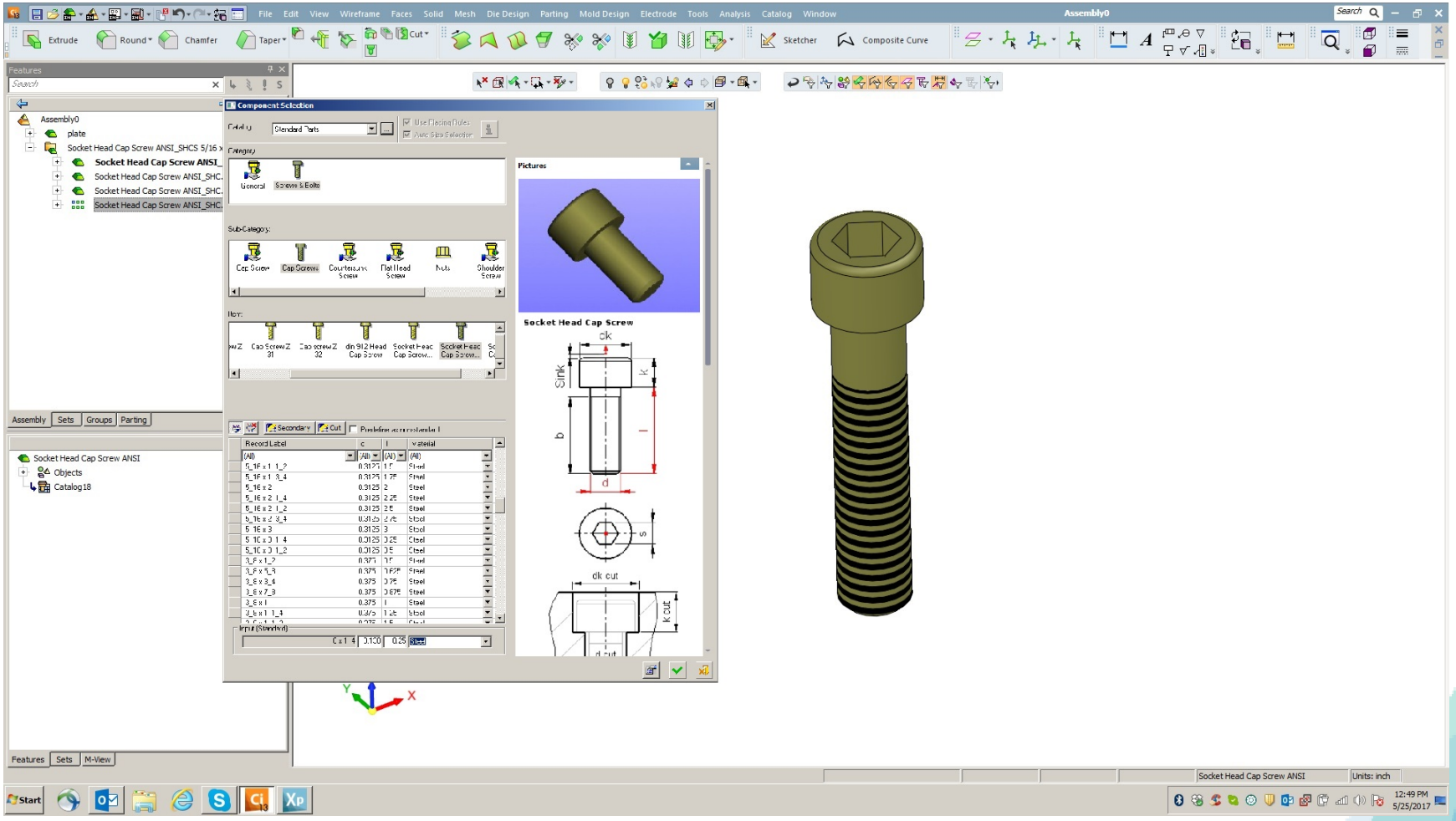


Rules

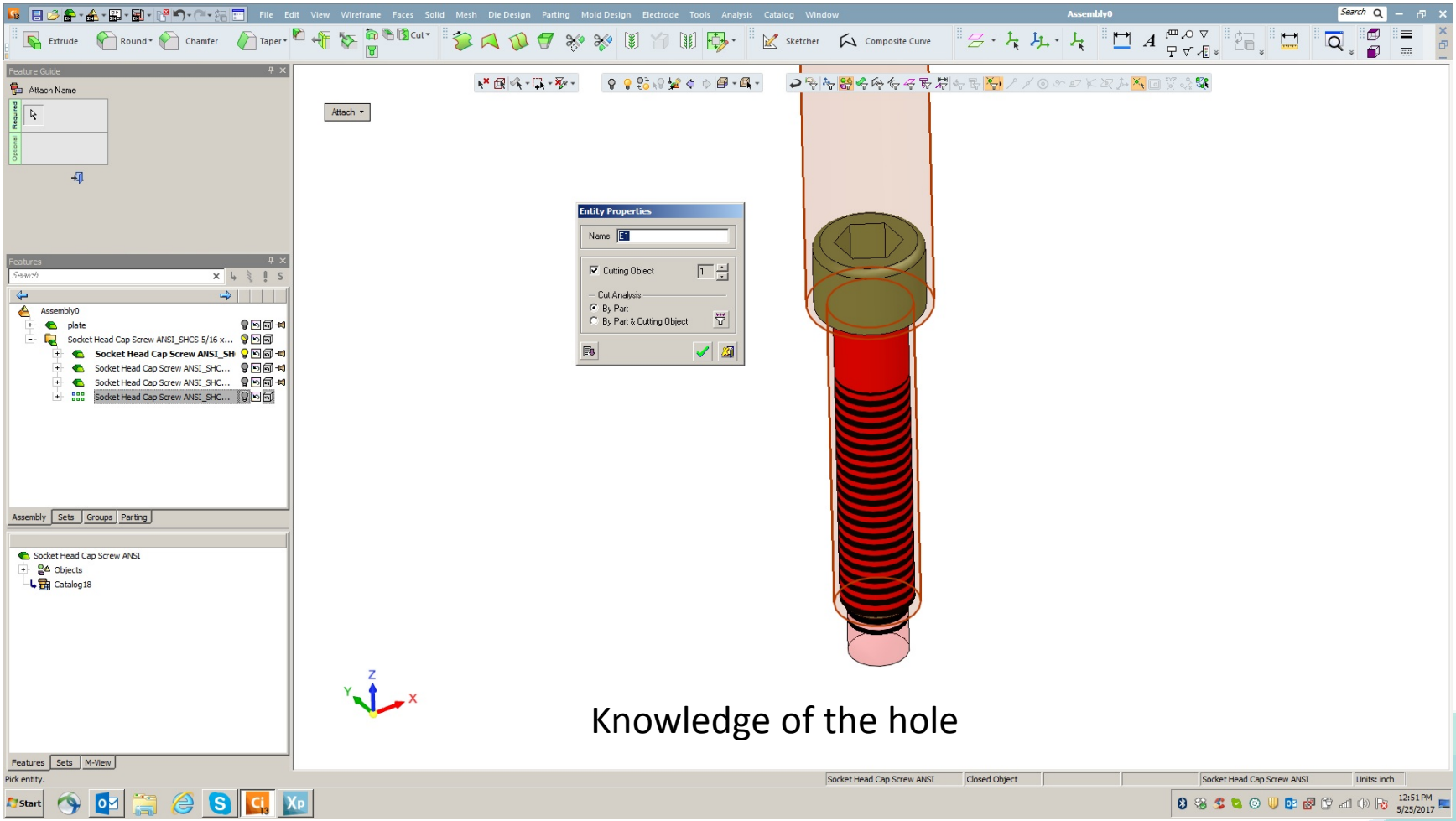
Plate thickness determines screw length and diameter



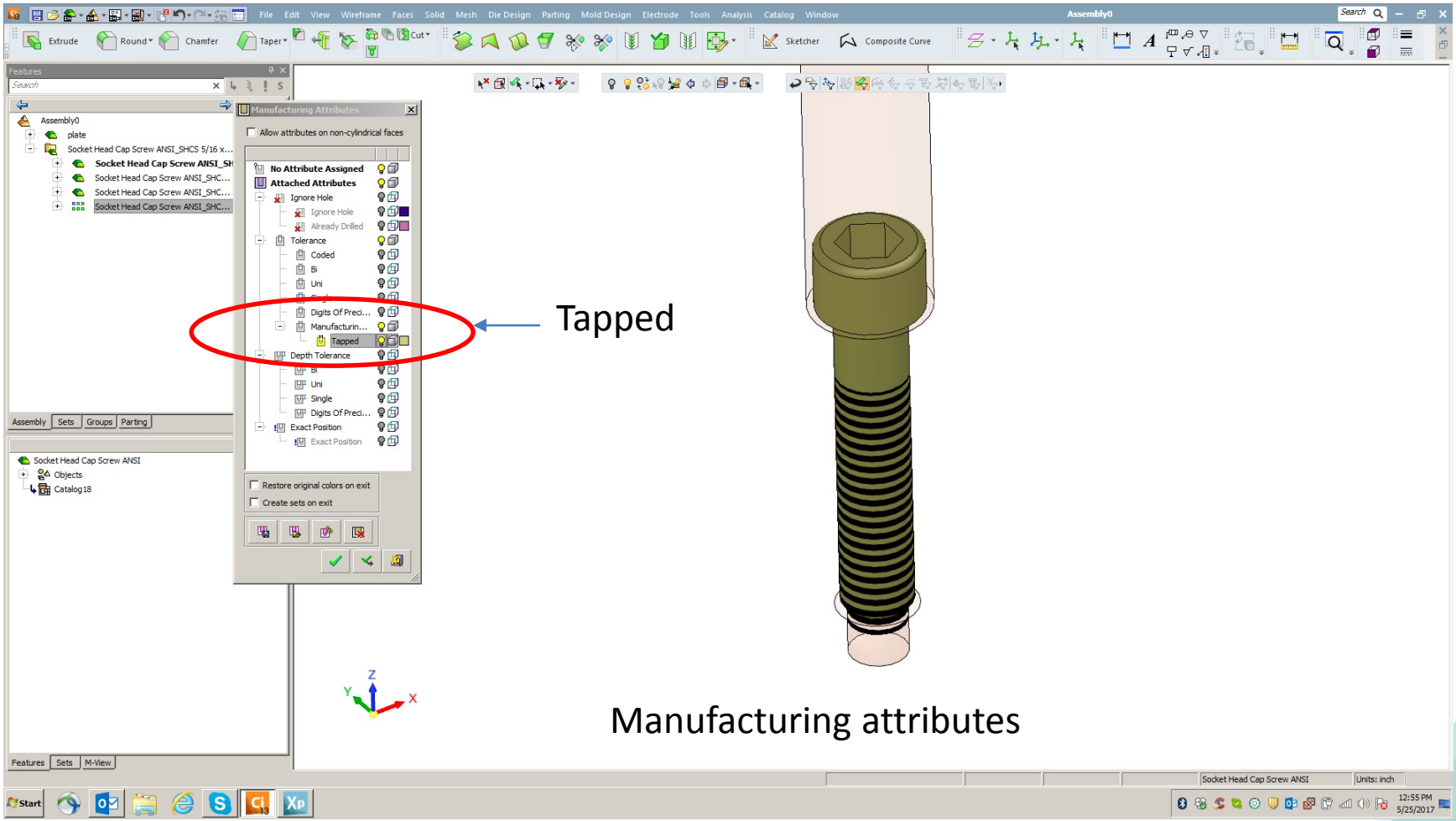
Standard Catalog Parts



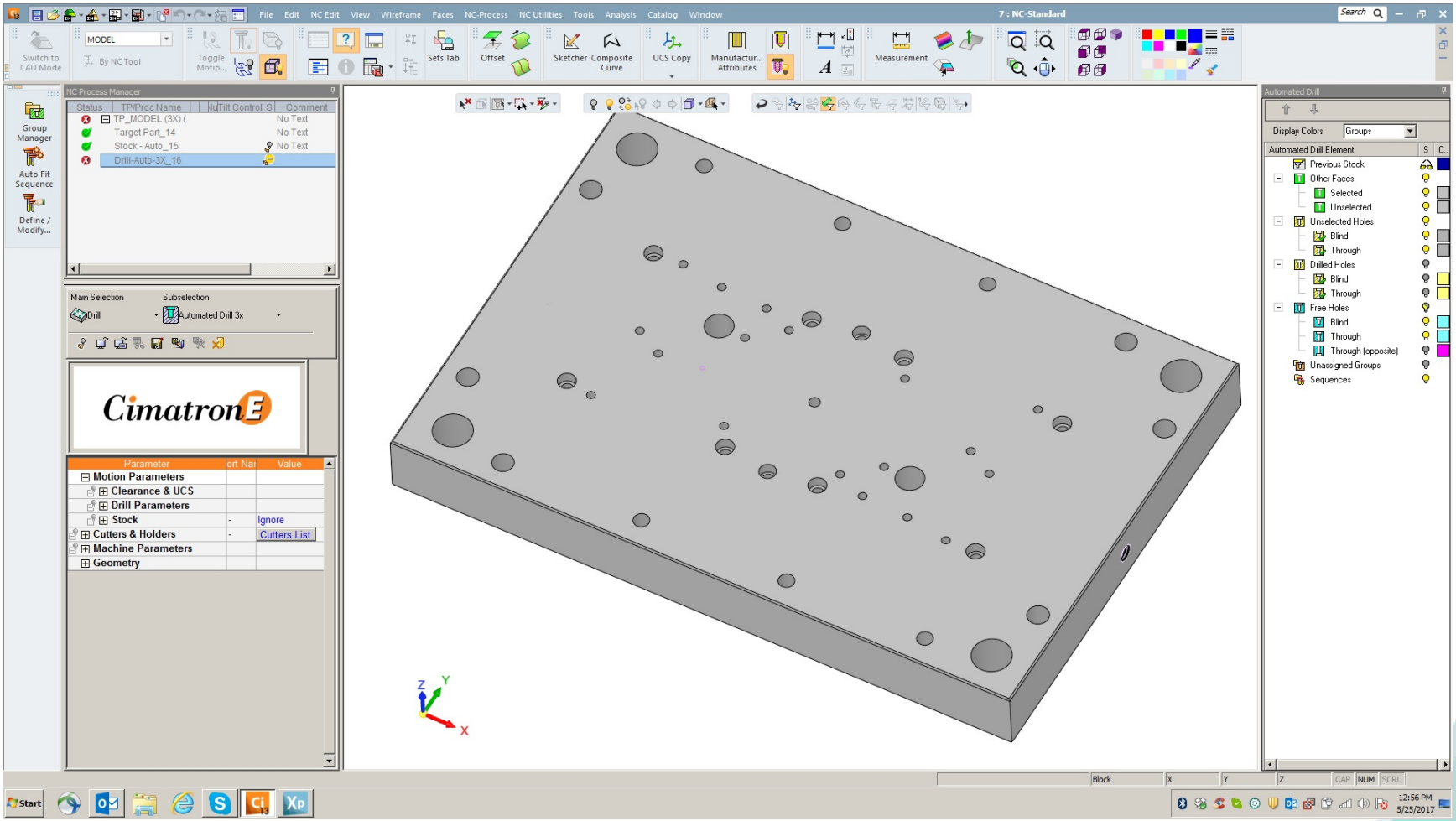
Standard Catalog Parts



Standard Catalog Parts



Automated Drilling



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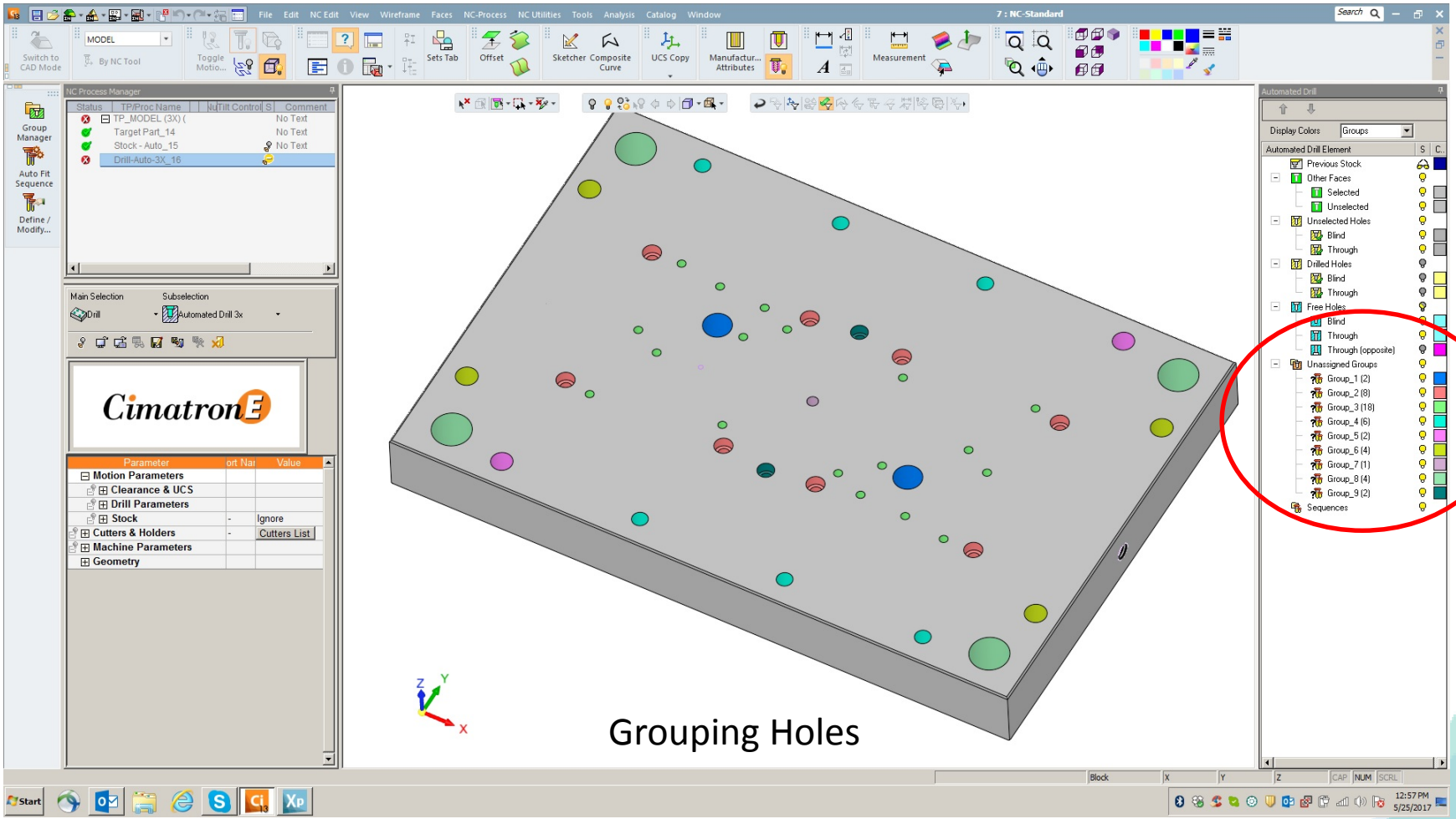

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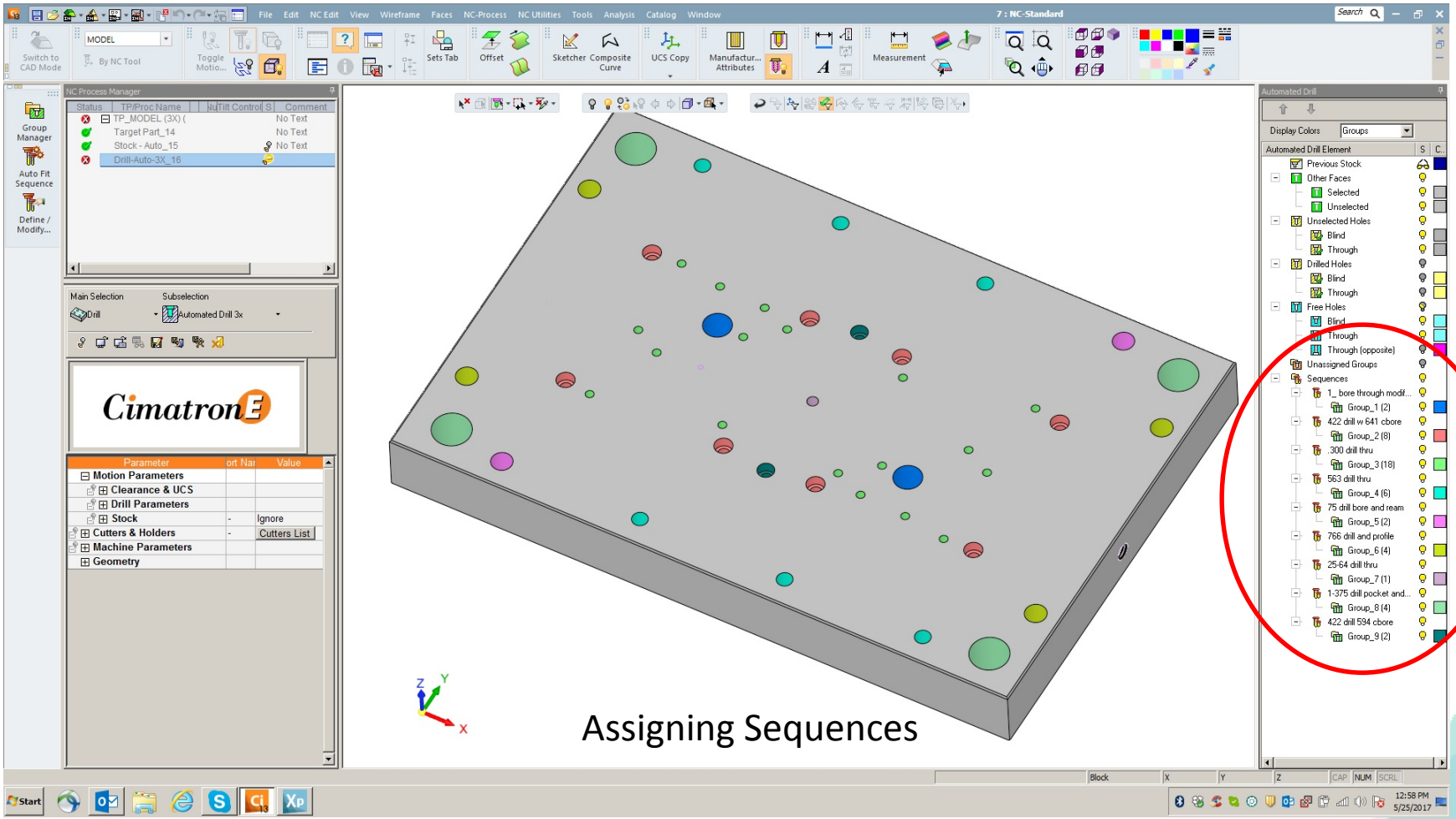

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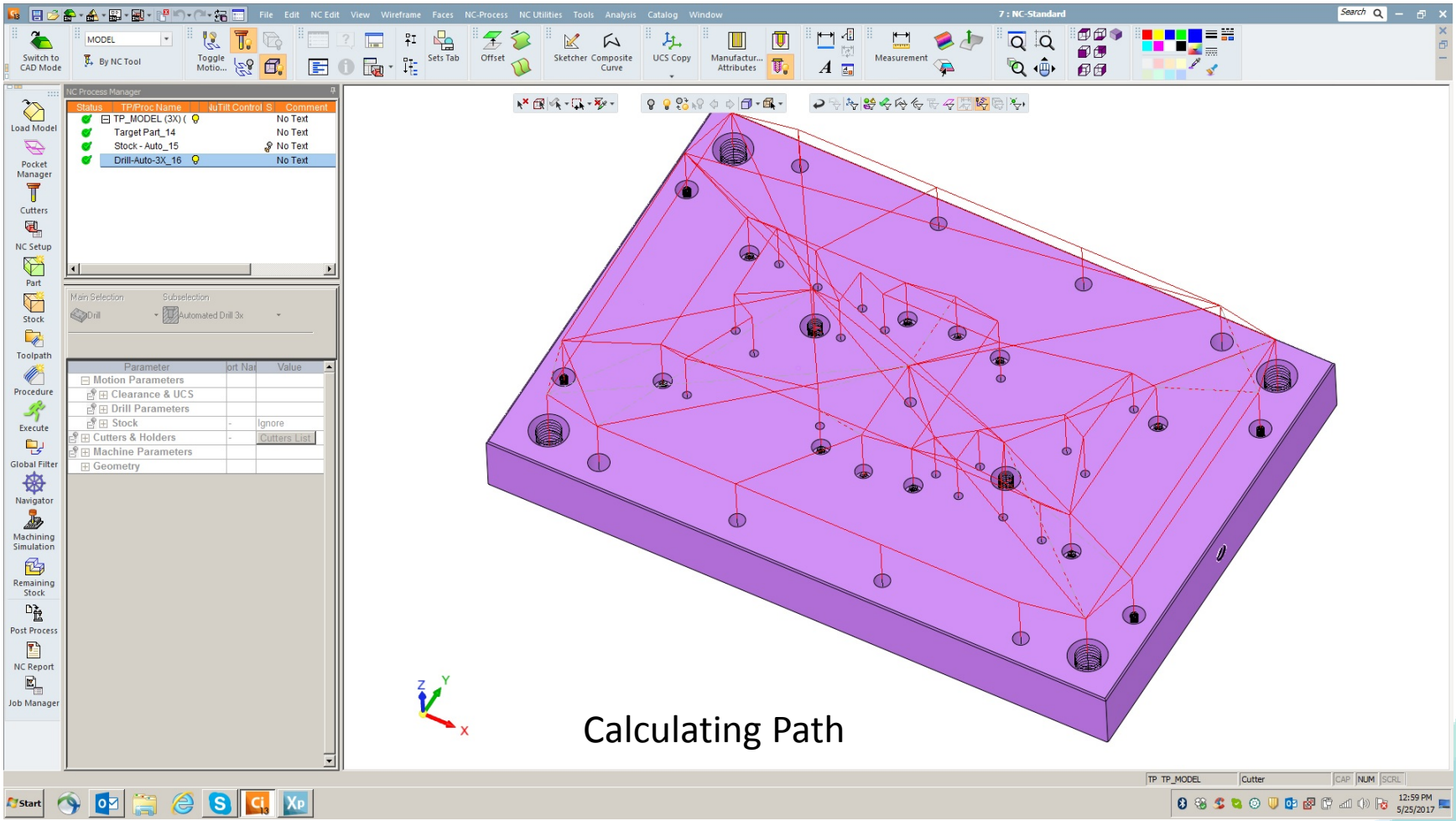

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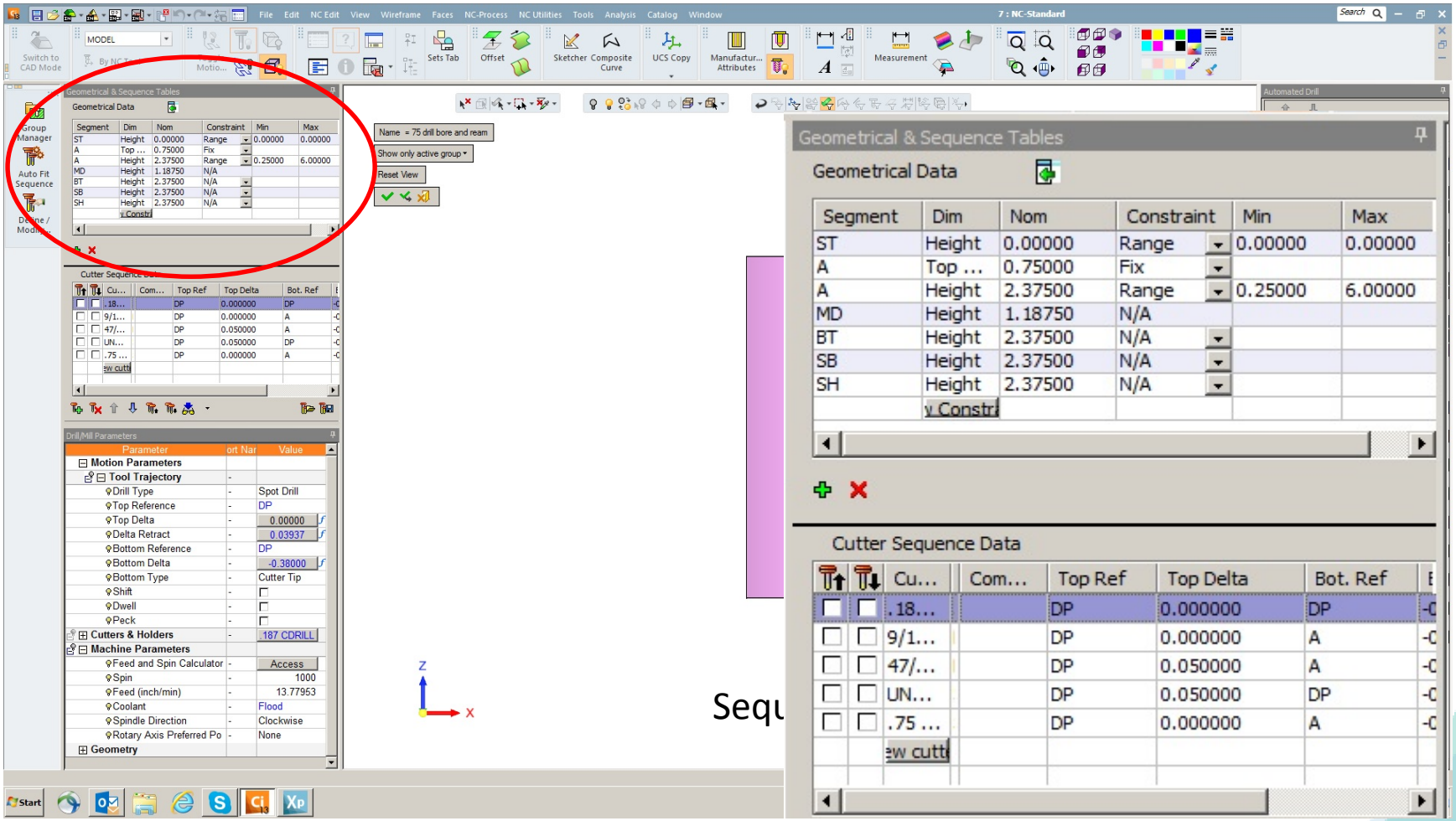

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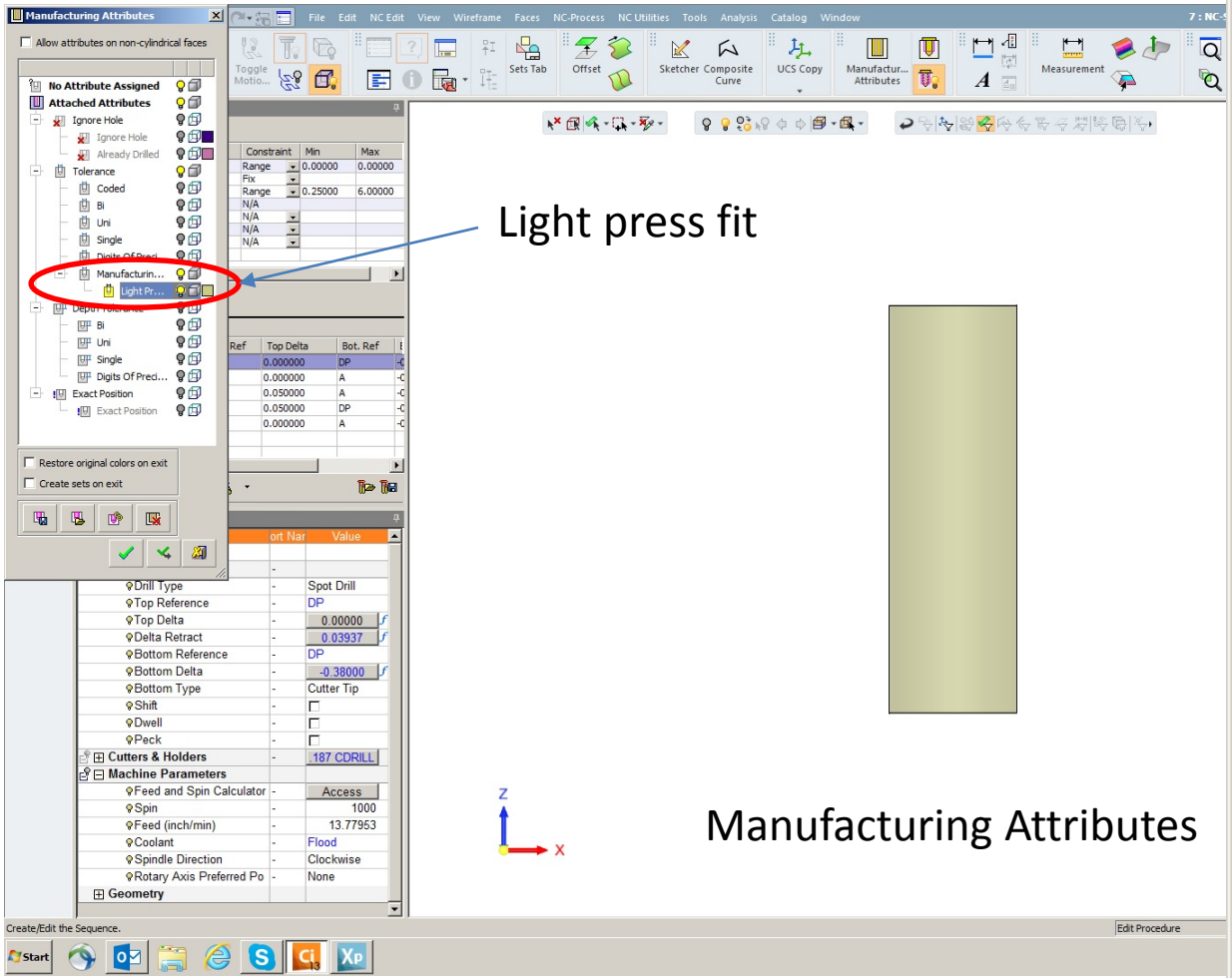

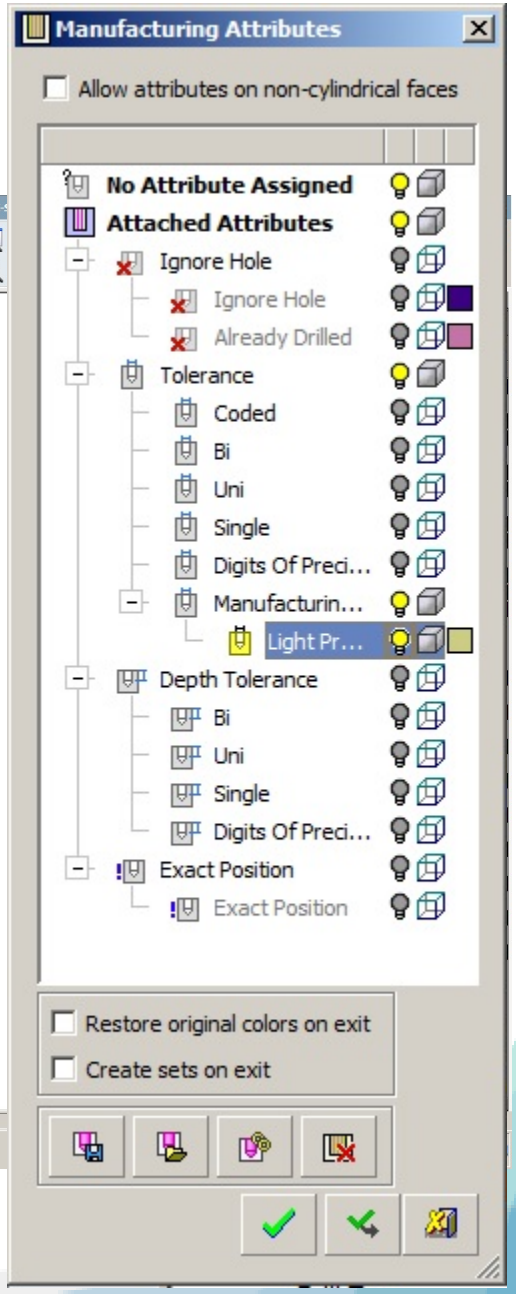

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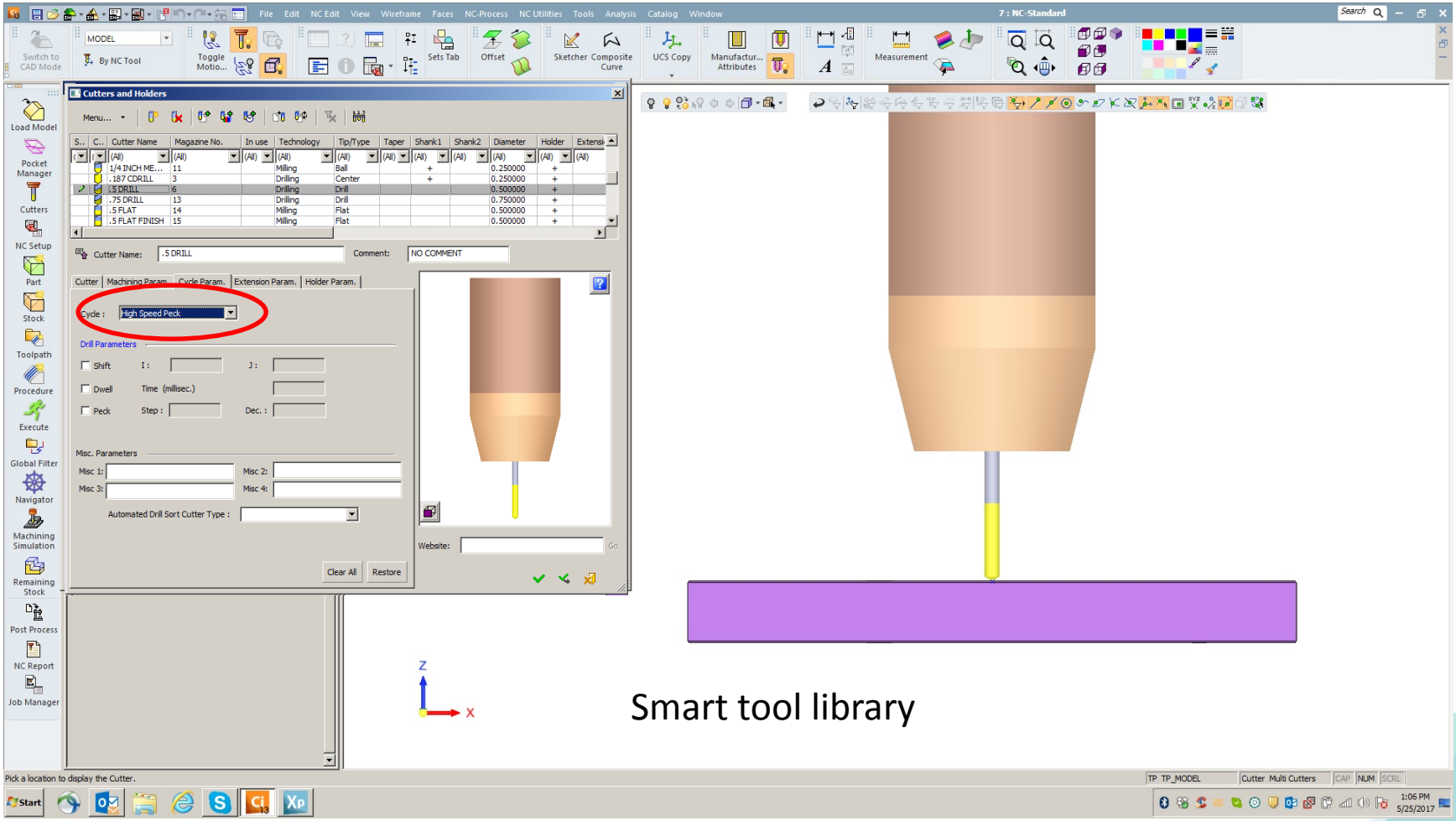

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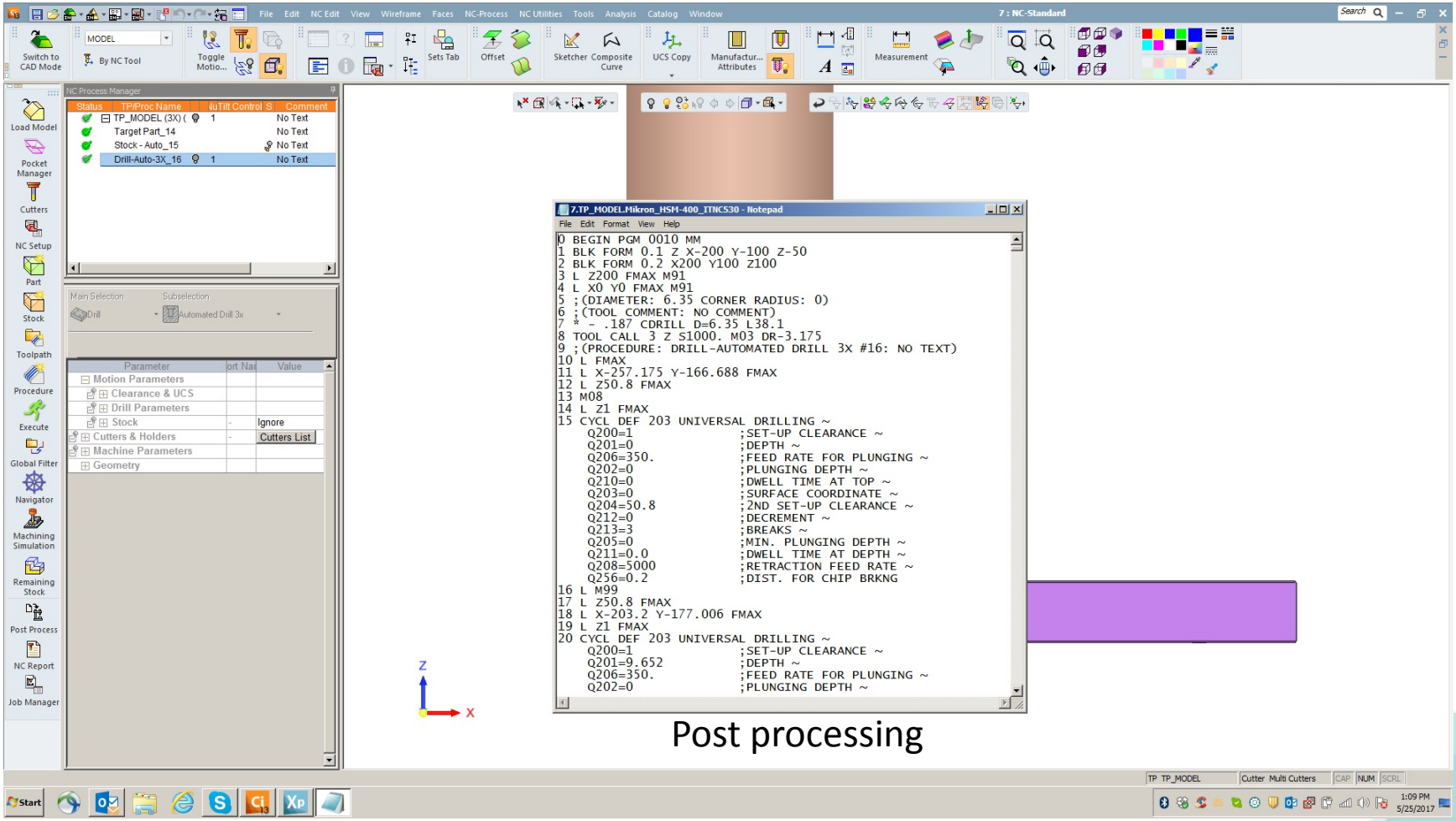

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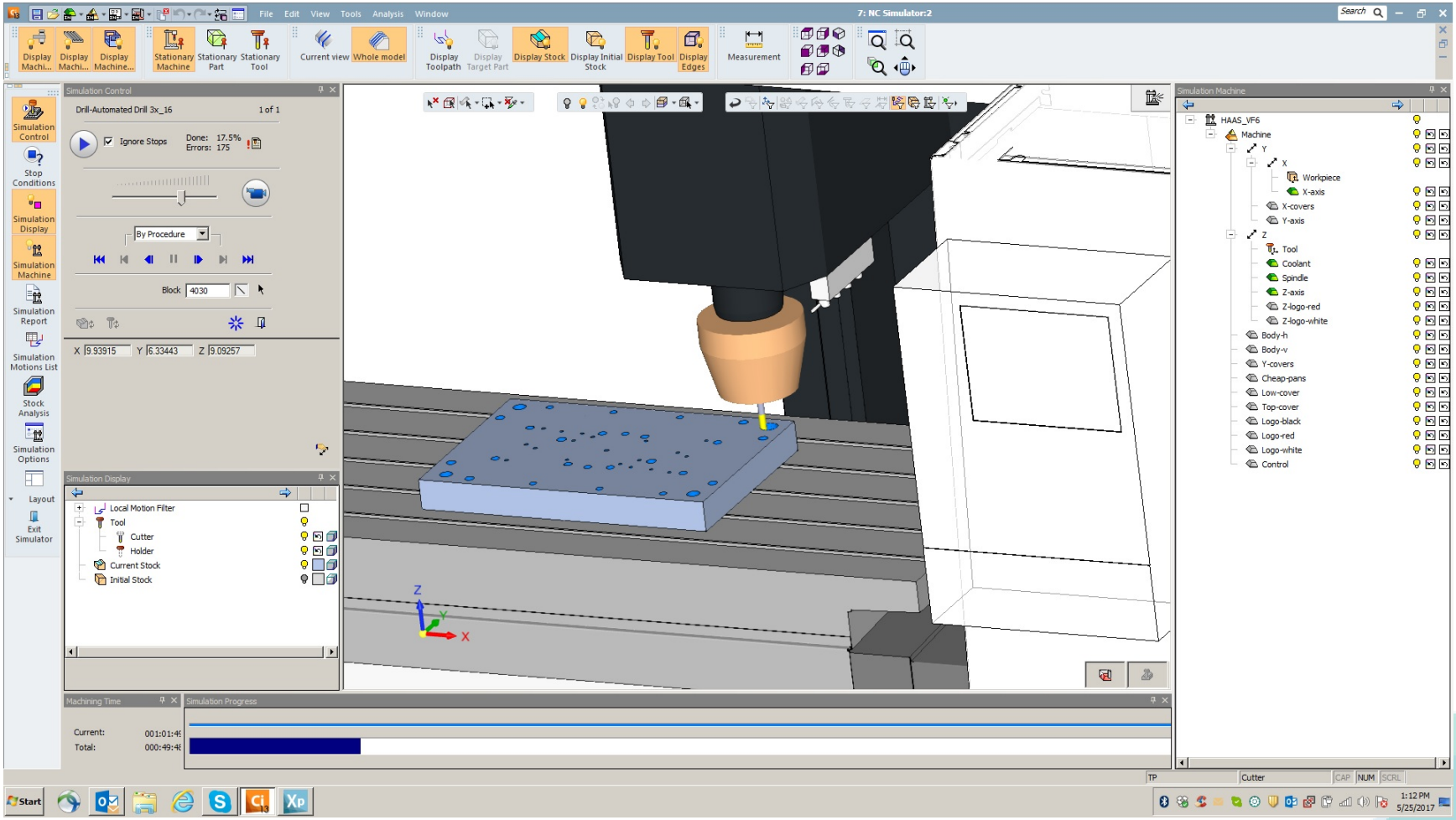

Full machine simulation

Review

Did you see…

- **Avoidable** pain
- Capturing the way **you build dies**
- Software that ensures holding **your standards**
- **Eliminating NC errors**

3D SYSTEMS

Thank You!

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