

가	.....	3
가	.....	3
가	.....	3
	(Finite element)	4
	(Mesh)	5
가	.....	5
가	.....	9
가	DATA	9
	.....	10
	.....	13
	.....	13
	.....	14

가

가

?

1. 가 ?

-
-

가

(tryout)

2. 가 가?

- () ()
-
-

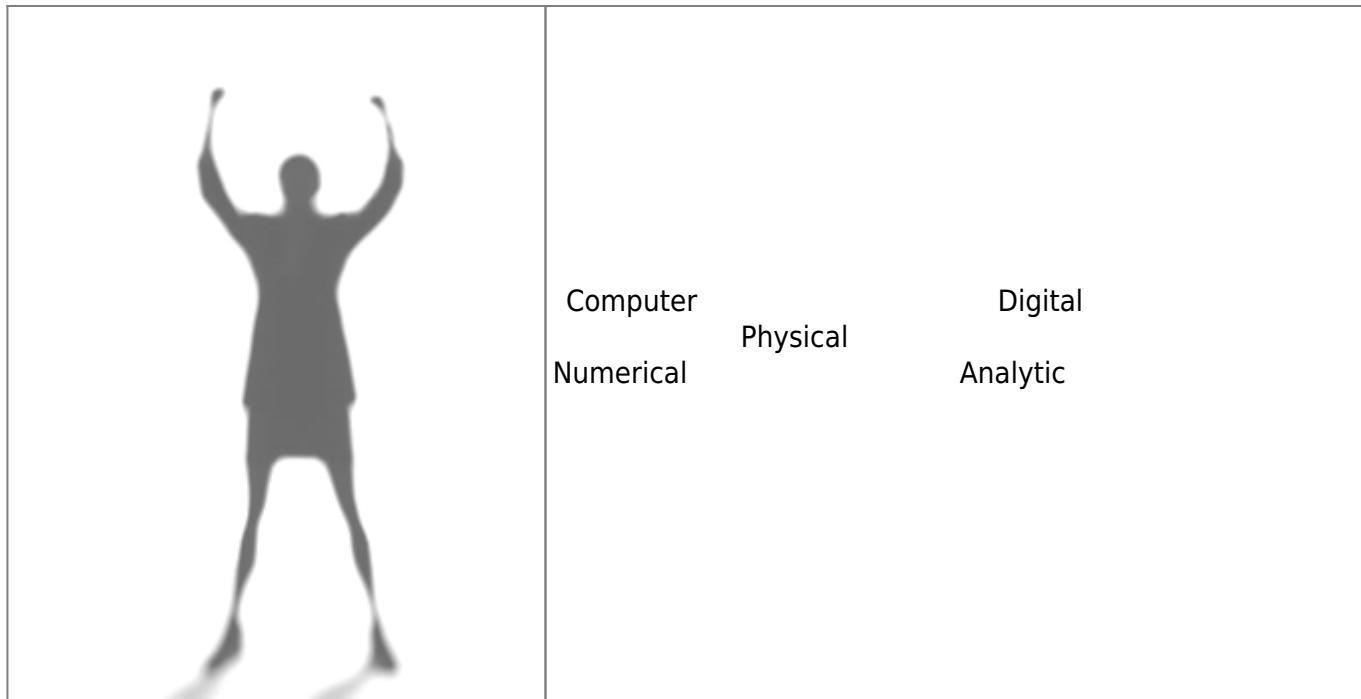
3. 가

-
-
-

(Lead time)

가

The illustration shows a person in profile, looking thoughtful with a hand on their chin. To the right of the person is a large question mark inside a blue gear-like circle. Below the gear is a green download button with a white downward arrow.

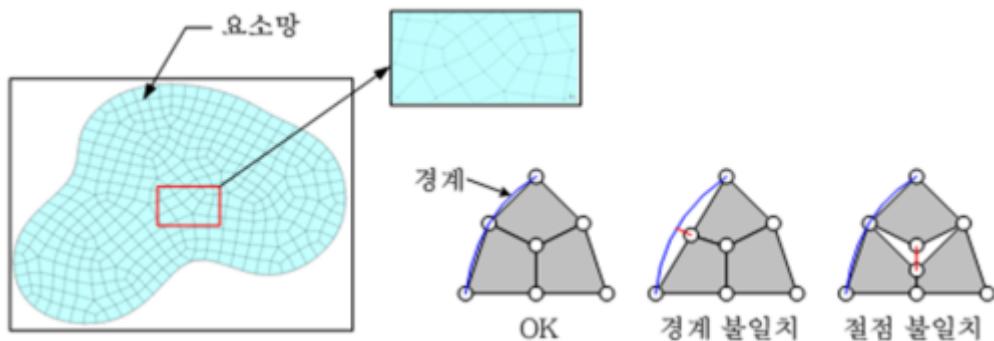


CAD

가

(Finite element)

- 가 (element) . (mesh)
- 1 2 3 (quadrilateral) (pentahedron) . 3 (hexahedron) 가 (triangle) (tetrahedron),



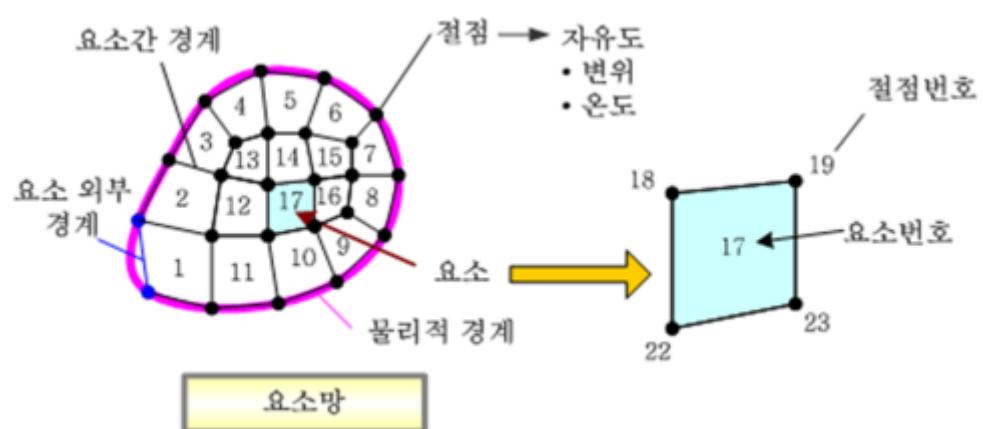
선(Edge)	삼각형(Tri)	사각형(Quad)	사면체(Tetra)	오면체(Penta)	육면체(Hexa)
1차원 요소	2차원 요소			3차원 요소	

(Mesh)

(finite element)

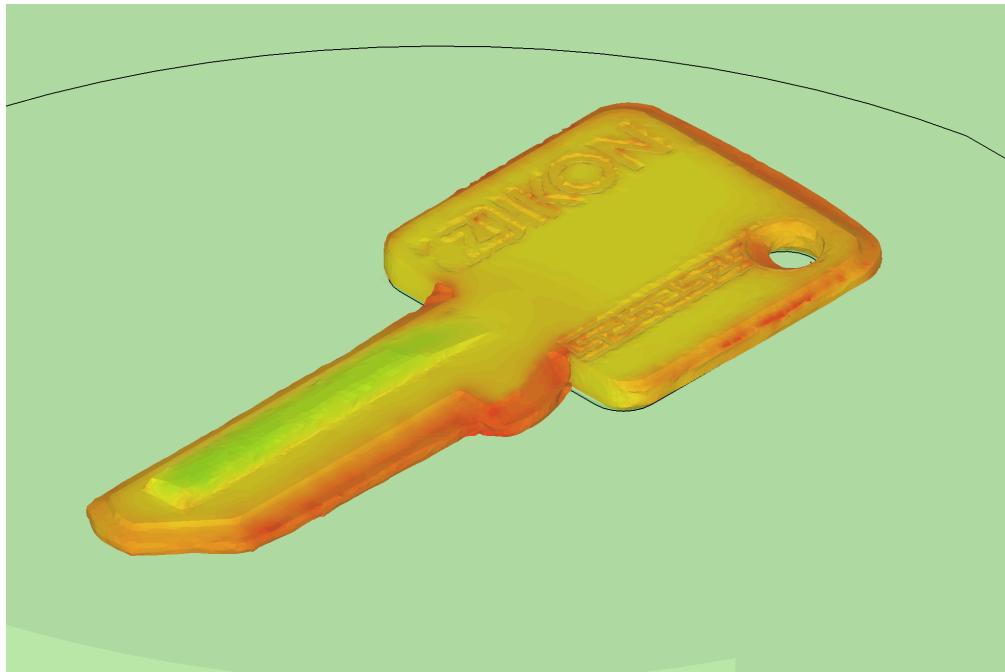
(element number), (node)
(network)

- 1 가
- 1 가



가

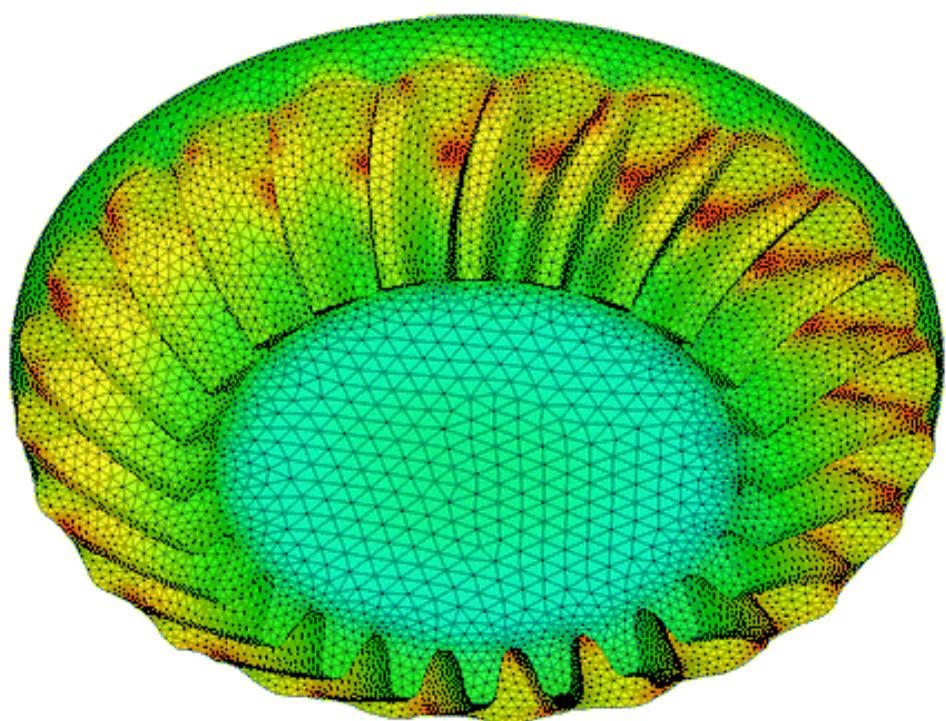
- Key



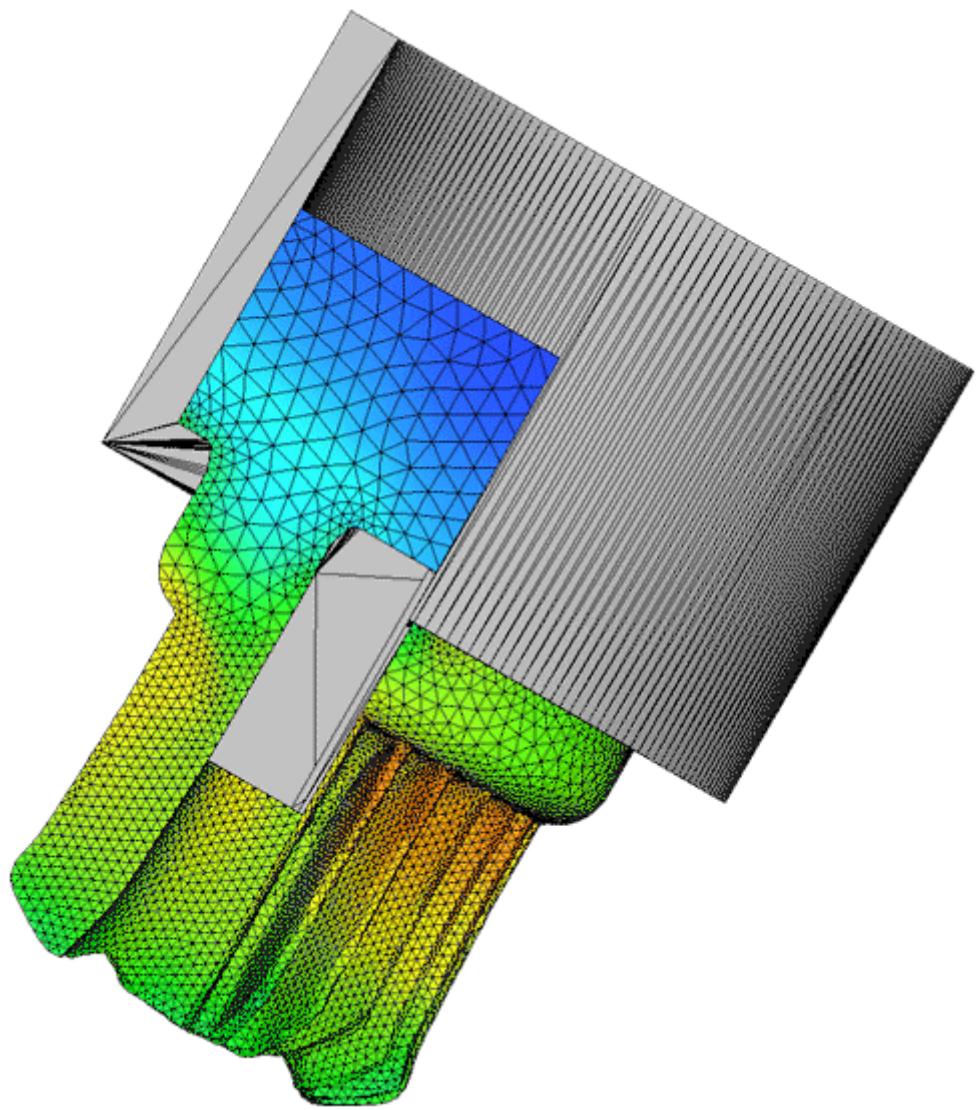
- Hub

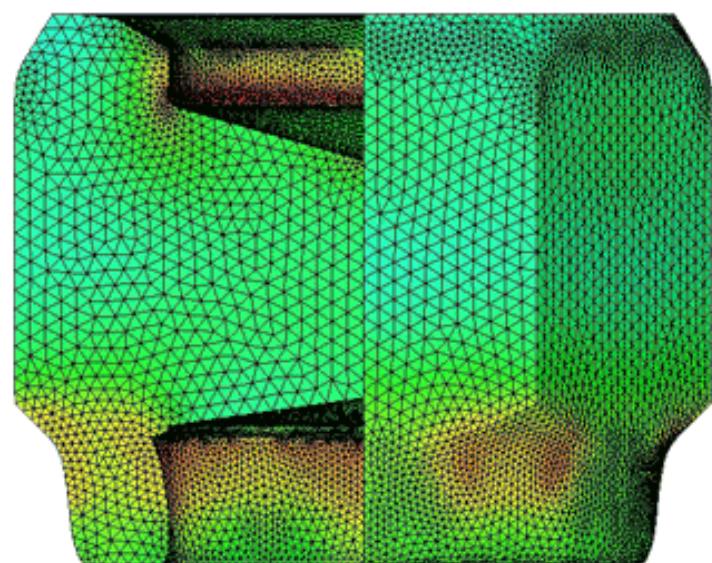


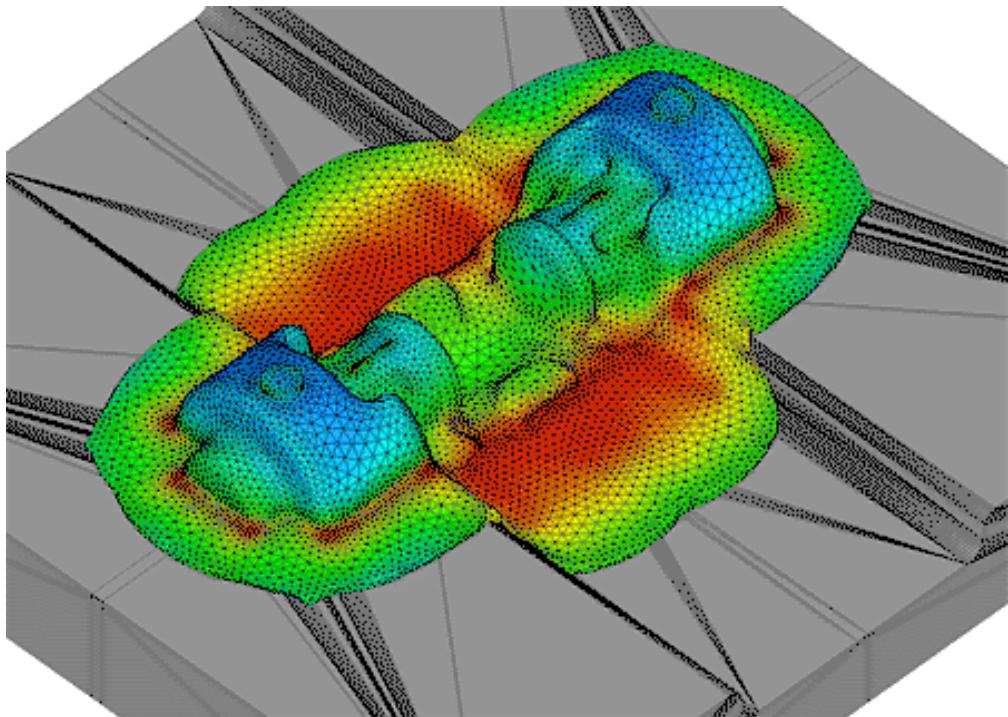
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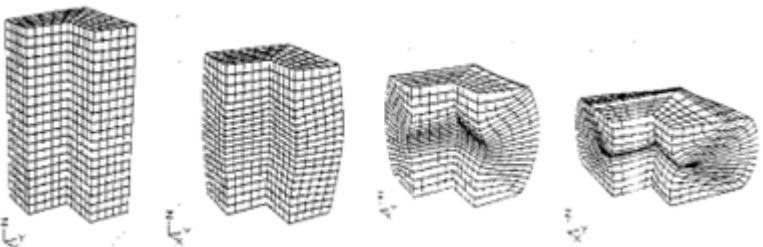
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가

(Pre-Processing)	Geometry 3	(*.dxf, *.stl)
(Solving)		
(Post-Processing)		가

가

DATA

1.

- 2 , 3 CAD
- ,

*.dxf(2D), *.stl(3D)

2.

-
- Library
- ,

3.

-

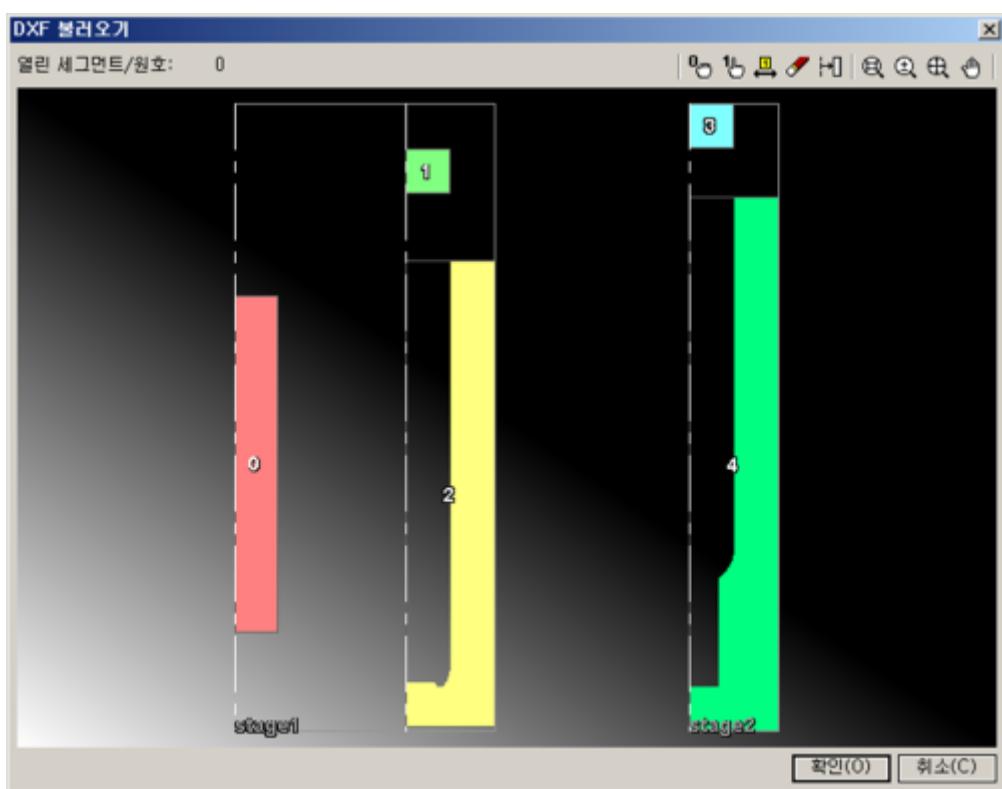
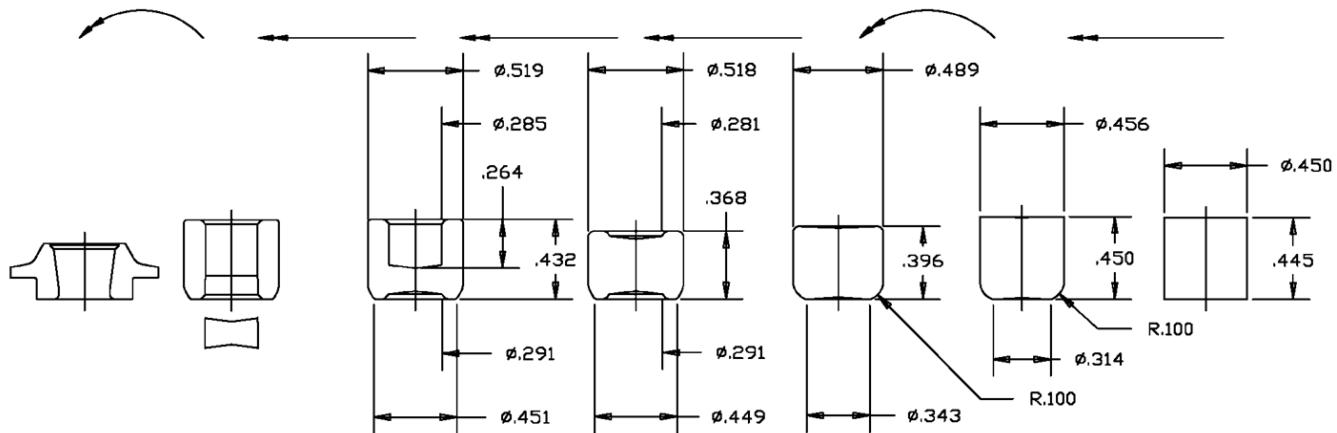
- 4

- ○ ○ ○

(Axisymmetric model)

- 360 가 가 360
 - 가 (homogeneity),
(boundary condition)
 - 가 (axisymmetry)
 - , , 가 2
(numerical analysis)
 - 2
(axisymmetric analysis)





3

1. xyz .

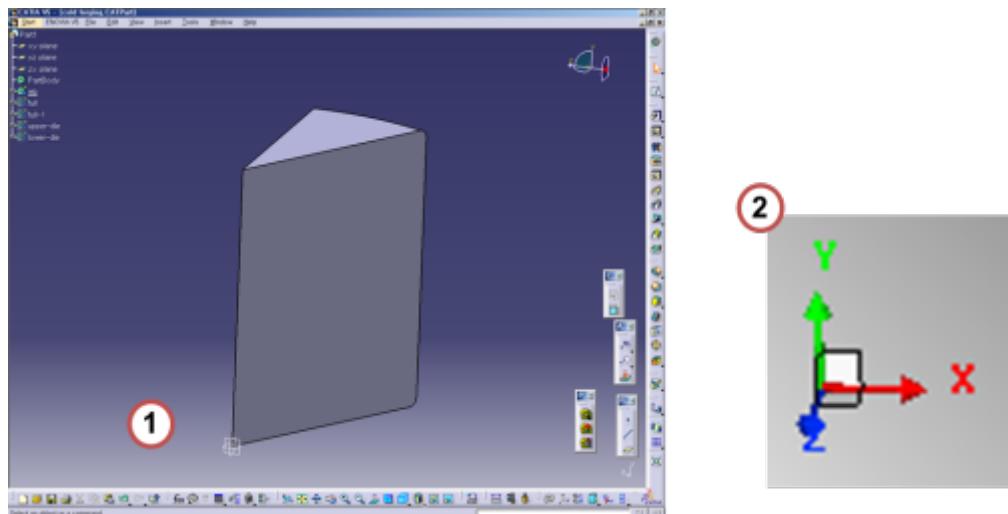
(

.)

3

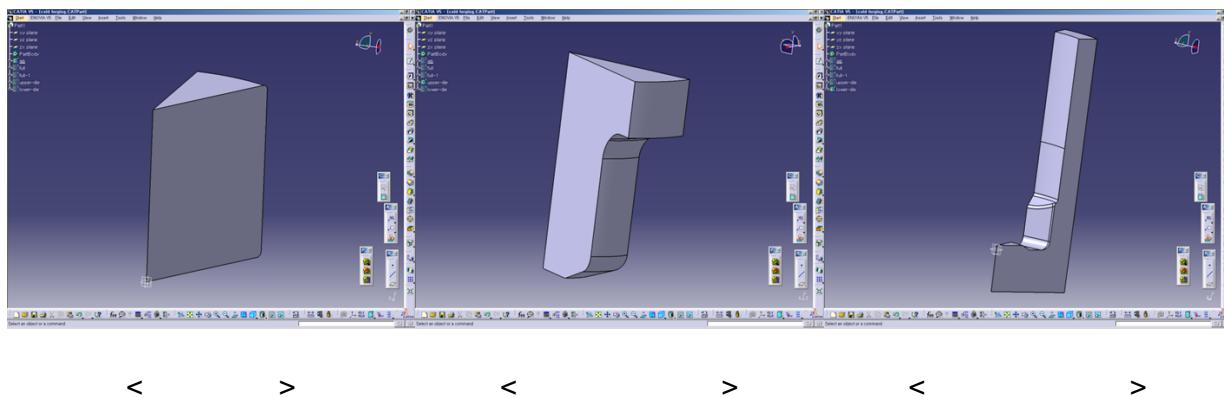
CAD

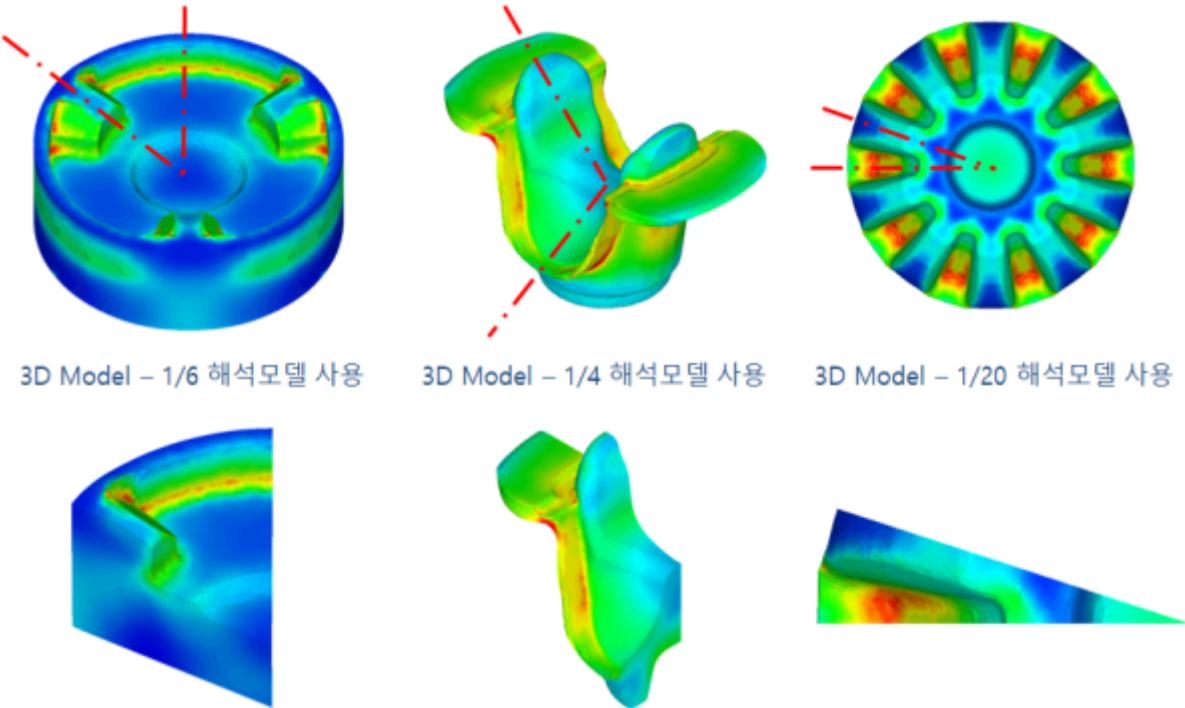
2. 가 () ㄱ . ㄱ , ㄱ



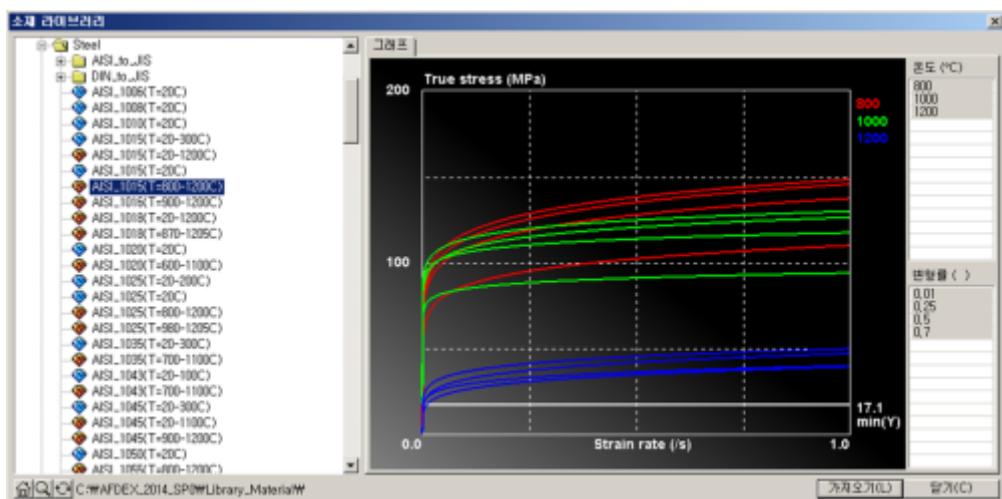
3.

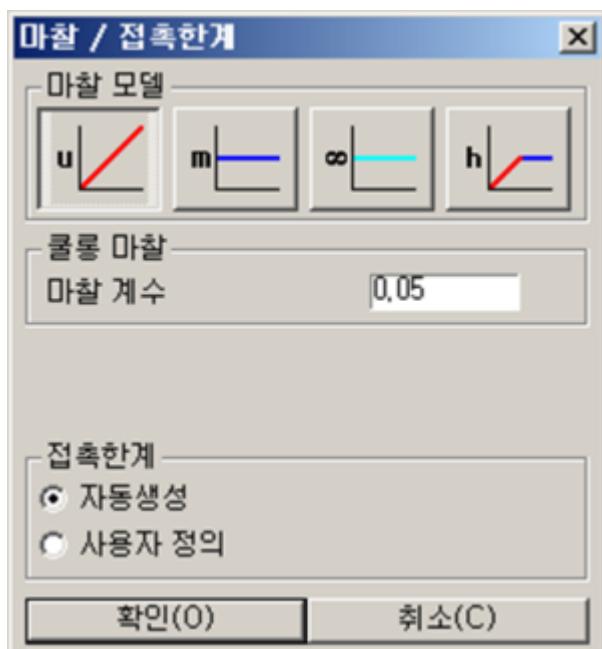
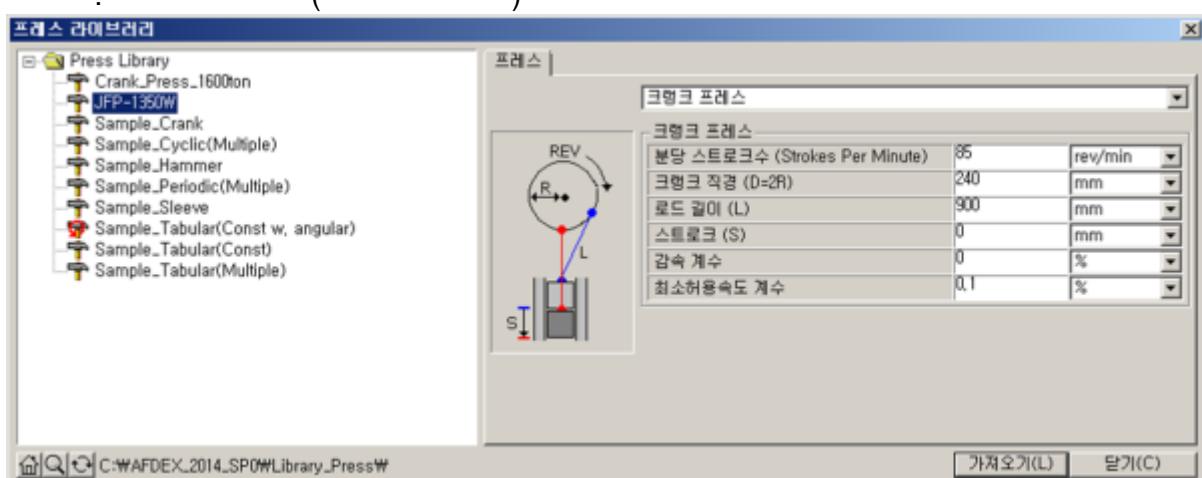
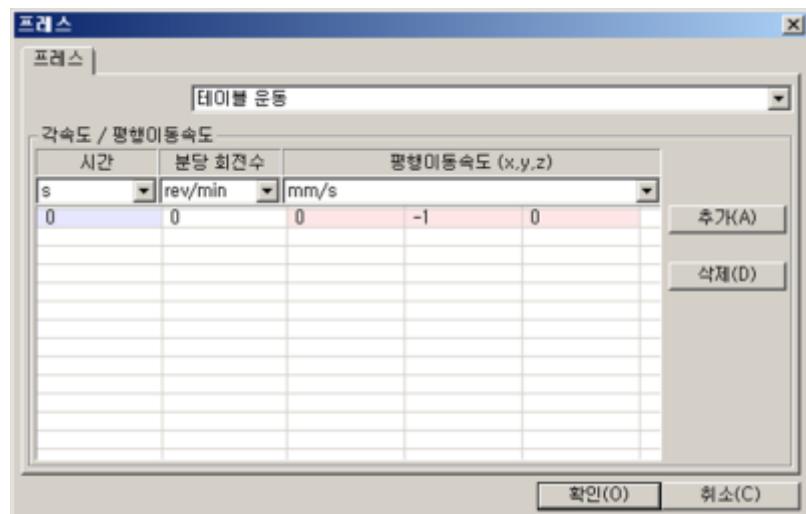
(, *.stl)
ex) workpiece.stl, upperdie.stl, lowerdie.stl 3

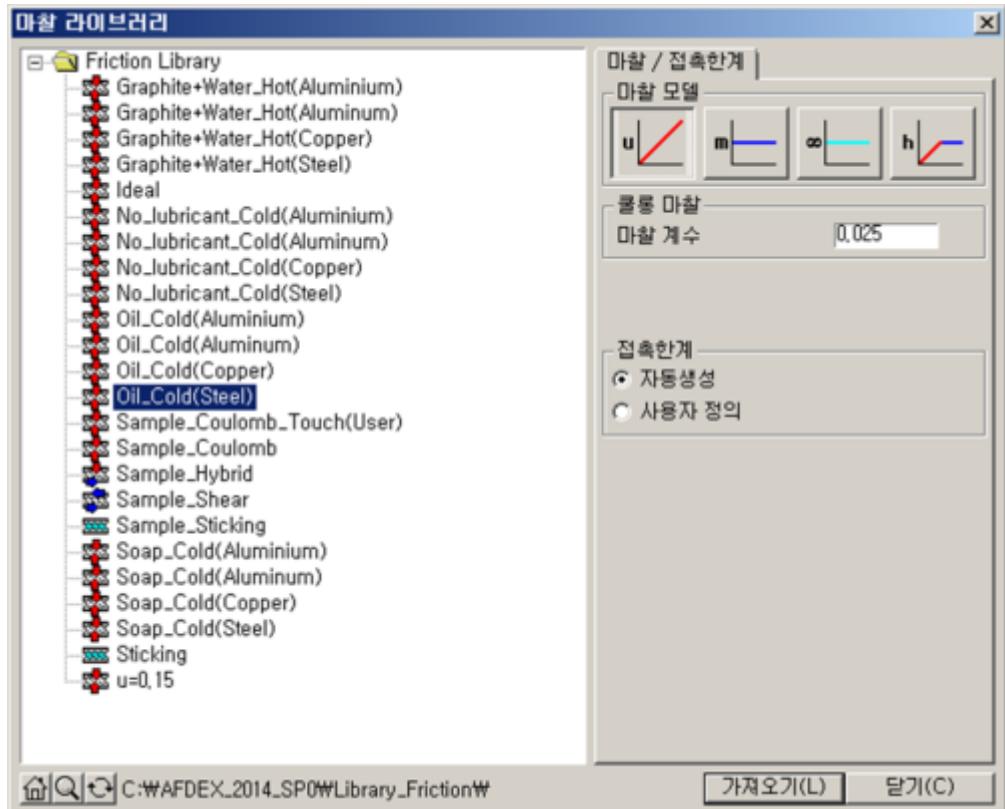




• DB

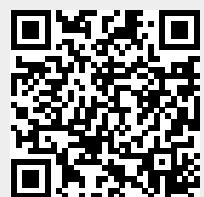






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