

tamping Die Face Development and FEA Report

Die Process No.		Program		Job Number	Yuan -01-2004	Date	
Part Number	8408111			Product Engineer	Yuan	Sim. Engineer	
Part Name	Hood Outer			Process Engineer		Material	stl
CAD File	UG File: fadongji zhao.prt			Feasibility Engineer		Material/Supplier	
Simulation Package	DynaForm	Report Revision No.	1	Die Face Design Engineer		Thickness	0.9
FLD full view		Simulation Version No. :	9				

Drawings / Files

NO	Part Name	Description	File Name	Notes
1	8408111	Hood outer	fadongji zhao.prt	incoming file
2	8408111_binder	Binder surfaces	840811_binder.iges	outgoing file
3	8408111_add	Addendum surfaces	840811_add.igs	outgoing file
4	8408111_line	PO,flange,trim lines	840811_lines.igs	outgoing file
5	8408111_report	final report file	8408111_report.xls	outgoing file

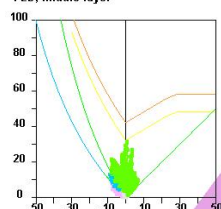
Draw Development Issues

NO	Concerns and comments	Detail sheet
1	This part is formable.	
2	GOP (Grille Open Panel) flange depth is 6mm. 9mm will cause split issue	FLD
3	Blank inflow need to be controled in balance, to much feed in from cowl side will cause wrinkle.	
4	Trim condition in lamp areas need to be reviewed per process.	FLD
5	Low stretch issue can be improved by local bead work	FLD

Notes:

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DRAW6
STEP 29 TIME: 0.021401
FLD, middle layer



see draw development issues 4 1

CRACK
RISK OF CRACK
SEVERE THINNING
SAFE
WRINKLE TENDENCY
WRINKLE
INADQUATE STRETCH

Y
X
ETA/POST

cowl side

Binder surface will be provided in Binder.igs
Addendum surface will be provided in Addendum.igs

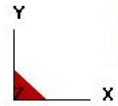
Thickness

DRAW6

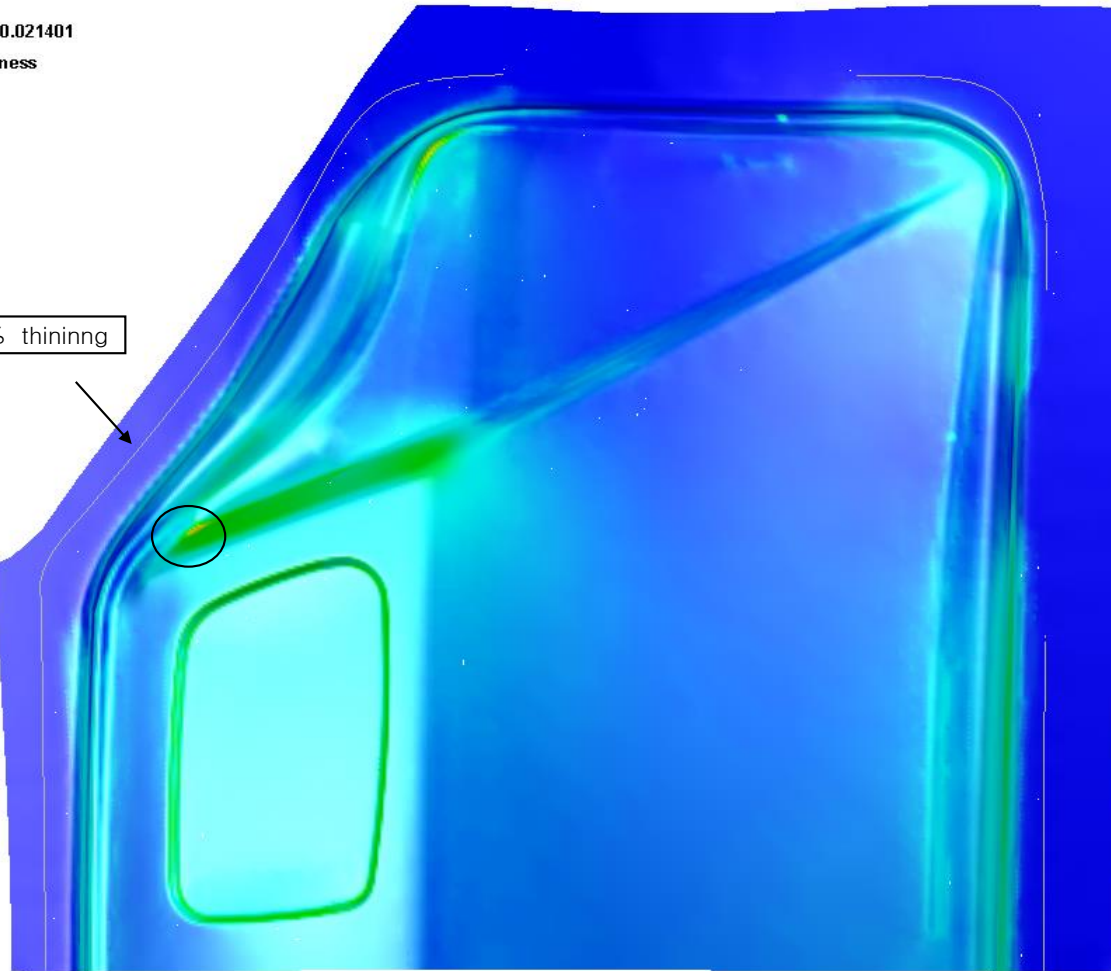
STEP 29 TIME: 0.021401

COMPONENT: Thickness

~30% thinning

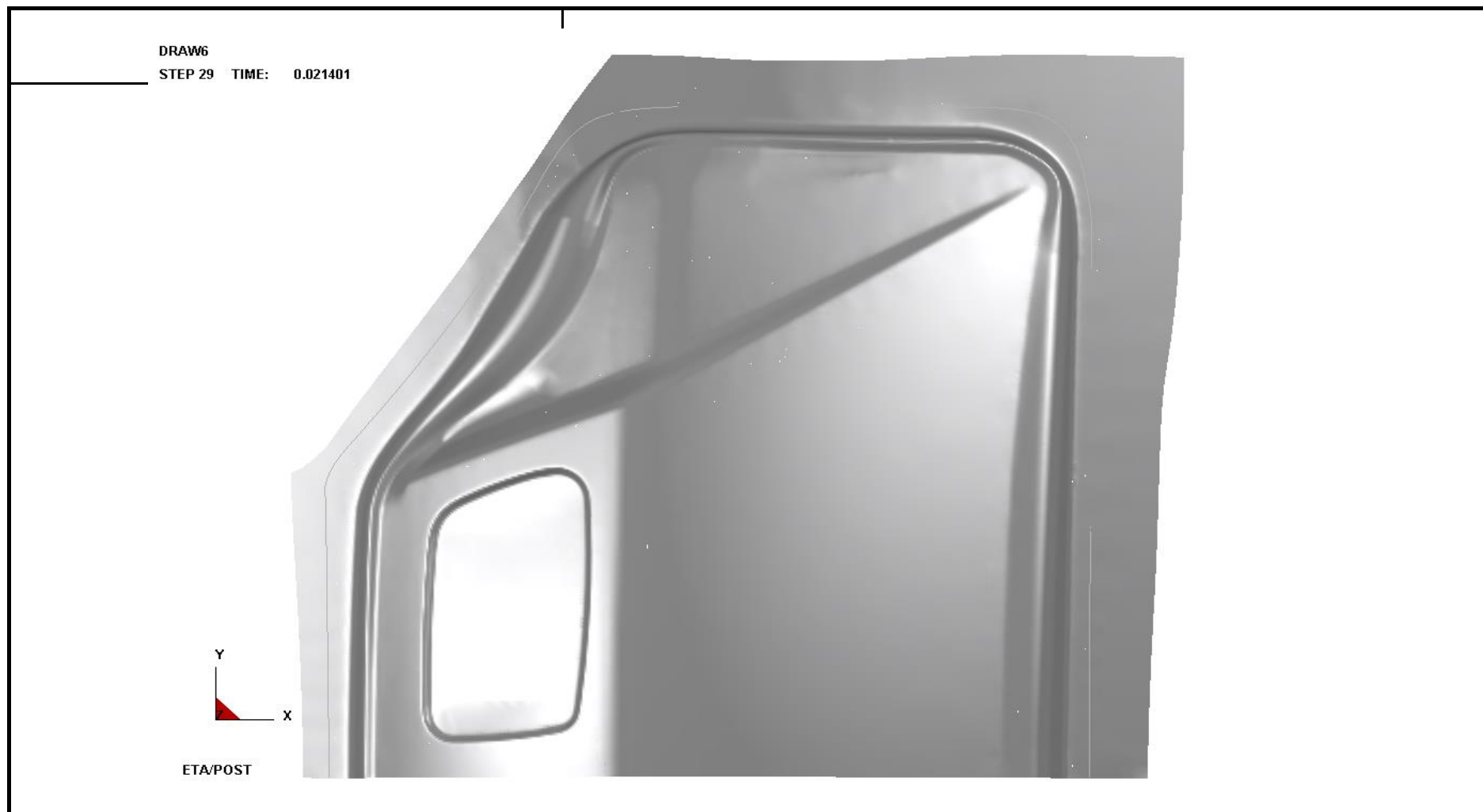


ETA/POST



0.900000
0.880714
0.861429
0.842143
0.822857
0.803571
0.784286
0.765000
0.745714
0.726429
0.707143
0.687857
0.668571
0.649286
0.630000
0

Home



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