EasyBlank Report (page 1/2)

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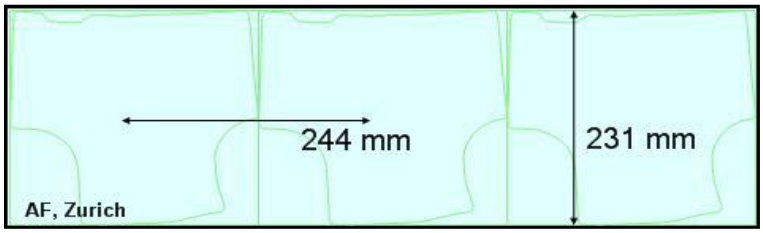
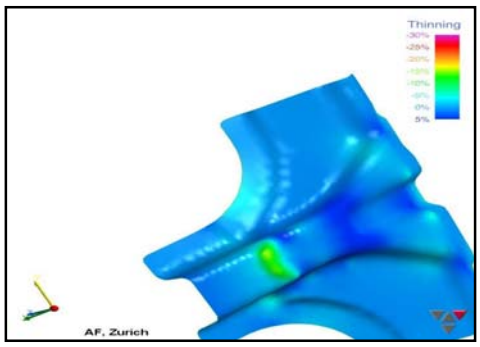
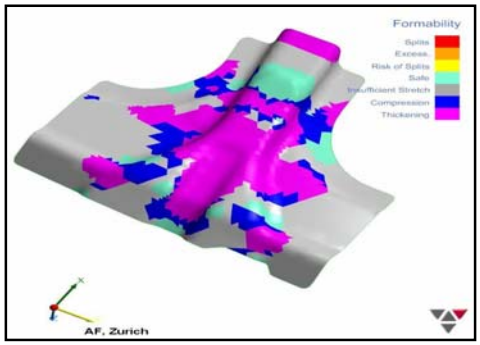
Report for AutoForm
Attn.: Stanley H.
Technopark 1
Zurich, 8005
SWITZERLAND

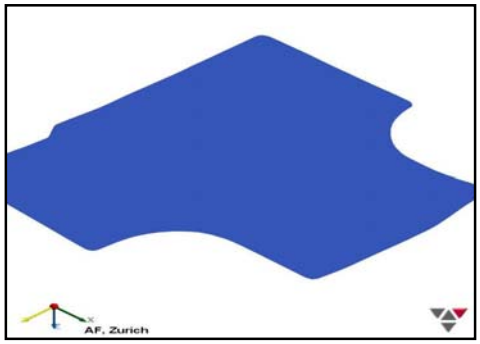
Friday, October 17, 2008

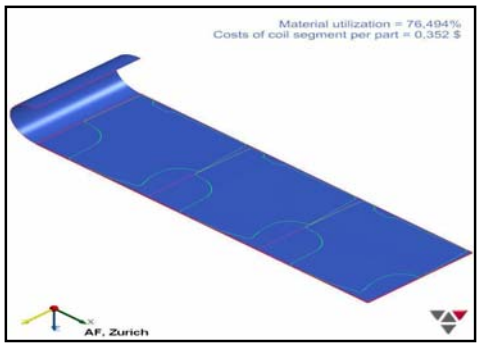
Part	Name	T-Pillar-Bracket	
Material	Type	Mild steel	
	Thickness	0.80	mm
	Coil width	231.00	mm
	Cost	1000.00	$/ton
	Scrap value	200.00	$/ton
Blank	Addendum width	0.00	mm
	Perimeter	883.99	mm
	Min. blanking force	10328.71	N
Nesting	Edge width	0.00	mm
	Bridge span	0.00	mm
	Pitch	244.00	mm
	Rotation angle 1	86.00	º
	Rotation angle 2	-	
	Left cut angle	0.00	º
	Right cut angle	0.00	º











Utilization		76.49	%
Production	Number of parts	10000	
Weight	Part	0.27	kg
	Blank	0.27	kg
	Coil segment	0.35	kg
	Scrap per part	0.09	kg
	Total raw material	3.52	tons
	Total scrap	0.87	tons
Costs	Coil segment per part	0.35	$
	Scrap value per part	0.02	$
	Total coil cost	3517.11	$
	Total scrap value	173.40	$

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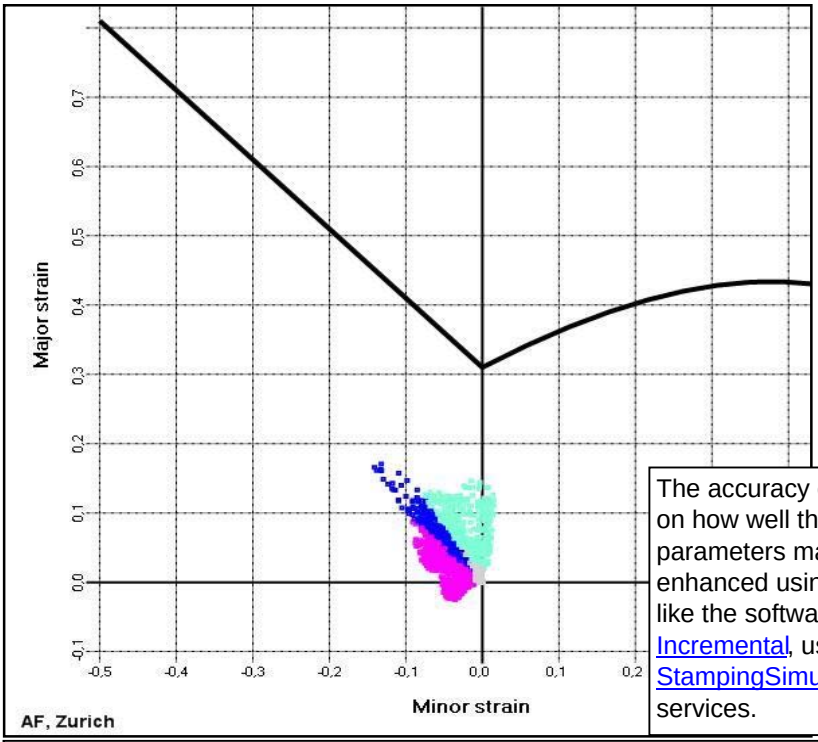
Part Name T-Pillar-Bracket

Forming Limit Diagram (Linear, True Strain)



Splits
Excess thinning
Risk of Splits
Safe
Insufficient Stretch
Compression
Thickening

The accuracy of these results depends on how well the applied process parameters match reality. It could be enhanced using advanced approaches like the software module AutoForm-Incremental, used by our partner StampingSimulation.com for their services.

How to interpret the FLD:
Each dot corresponds to a point on the surface. It's color indicates the formability depending on the material , thickness and process conditions. See this following example: