

-발표집용 요약본

대우자동차내 성형해석 적용현황

김재우
May, 2002

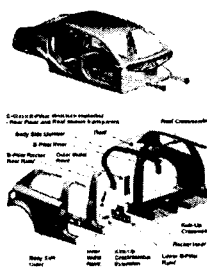


Contents

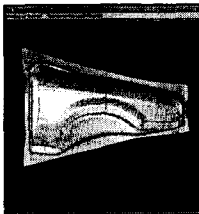
- DWMC 성형해석 시스템 현황
- DWMC 금형제작 프로세스
- DWMC 성형해석 적용 프로세스
- 금형제작 세부 공정별 성형해석 적용 현황
 - ✓ 제품해석
 - ✓ 드로우(DRAW) 공정해석
 - ✓ 후공정 해석
 - ✓ 하이드로 포밍
- 지식기반 성형해석 결과활용 현황

DWMC 성형해석 시스템 현황1


제품해석	공정해석	DRAW 해석	후공정 해석	지식관리
SYSTEM				
•AF ONESTEP •QUICKSTAMP	•DIE DESIGNER •VIKING	•AUTOFORM •Pam-Stamp		•웹기반 성형해석 DB •전사 PDM
DEPARTMENT				
제품연구소	공법/금형설계	금형제작		전사 유관업무 담당
STATUS OF DWMC				
초기 개발/적용단계	초기 개발/적용단계	100%완업적용	검증/기술개발/사립적용	안정화 진입단계



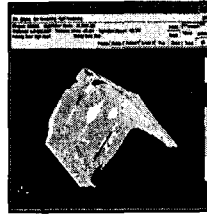
3D CAD Model of a Car Chassis



Pam-Stamp

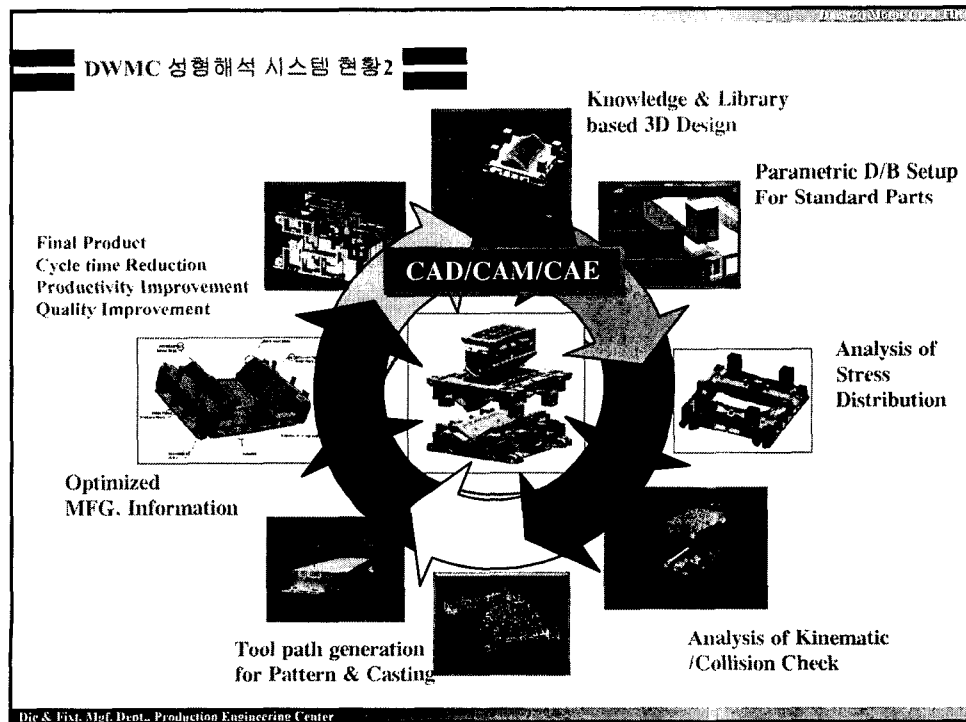


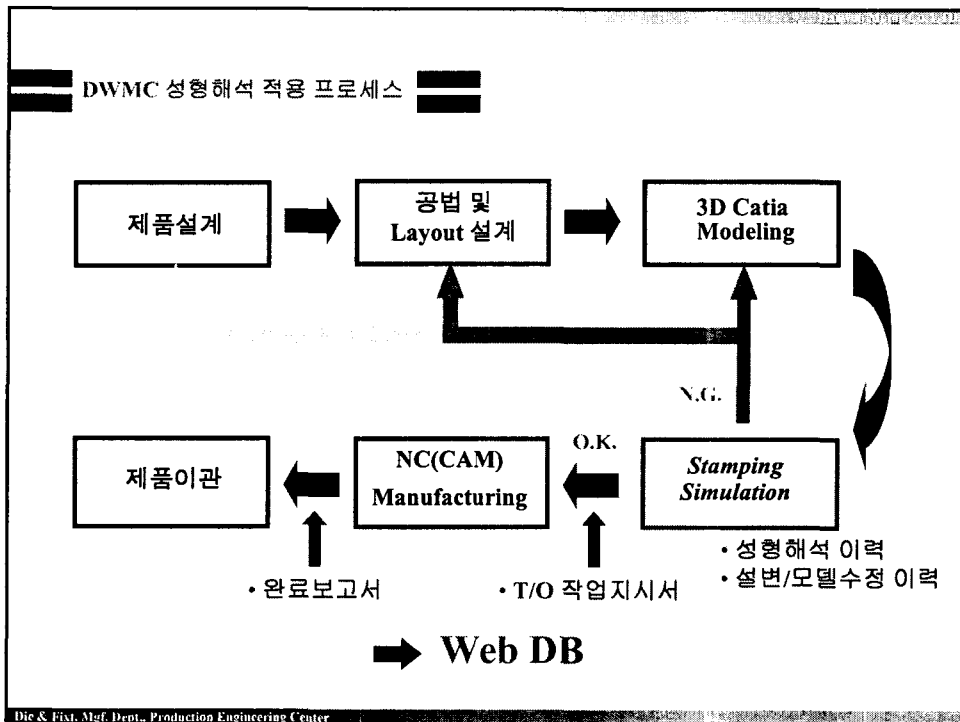
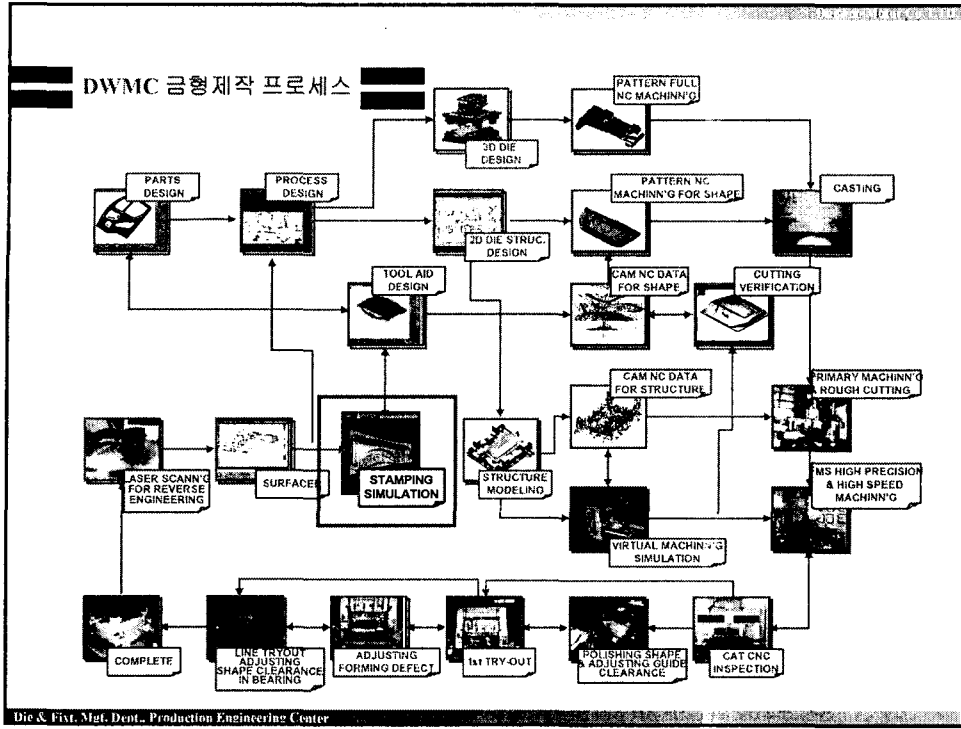
AUTOFORM

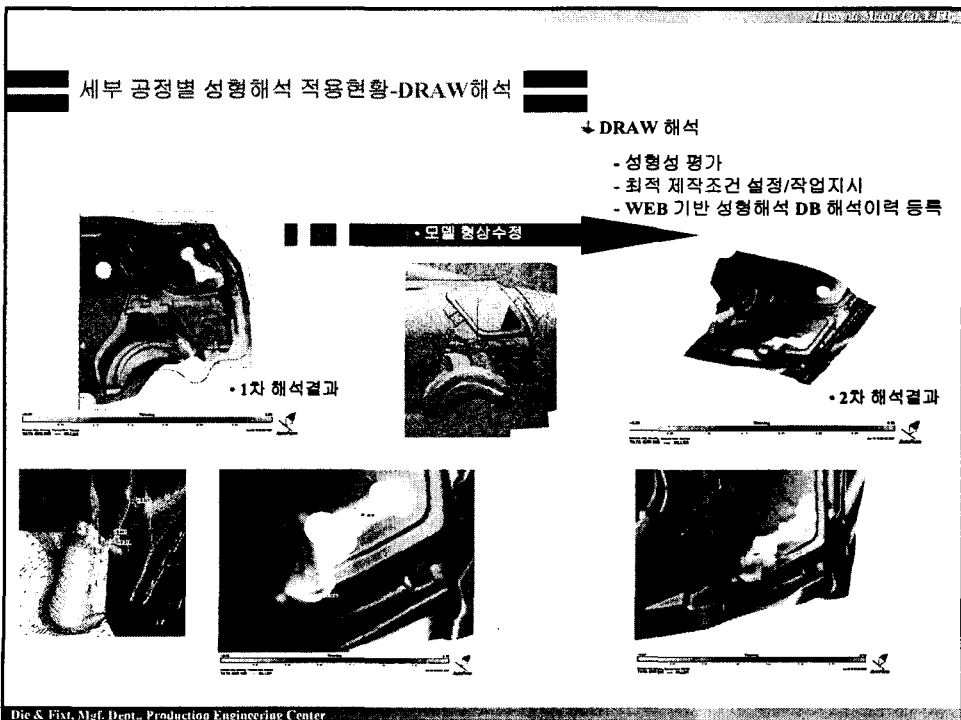
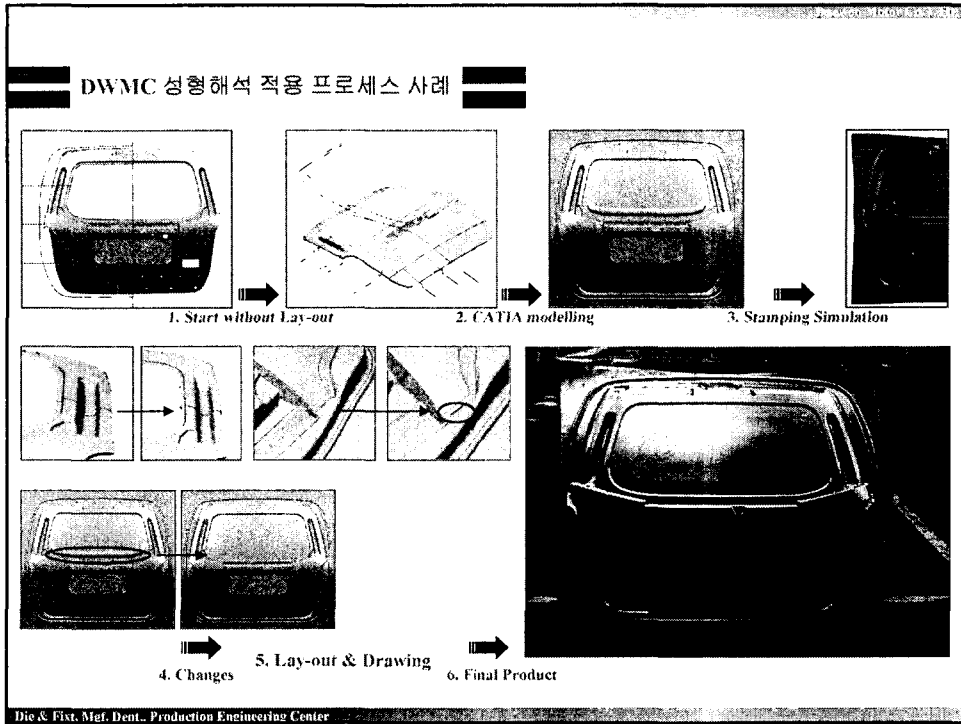


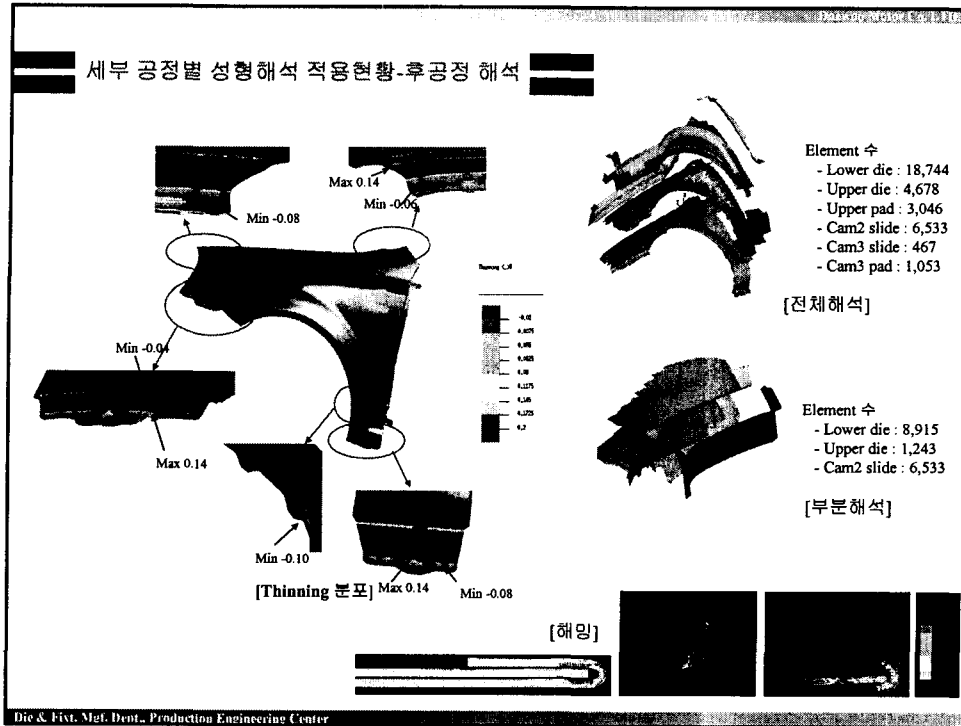
FTI 2D/3D

Die & Fixt. Mfg. Dept., Production Engineering Center









세부 공정별 성형해석 적용현황-하이드로포밍

• Prebending

A/F

P/S

- Prebending, 1st/2nd Pressure Control, Feeding Control
- Welding Line, Accurate Material Evaluation,
- Mandrel, Incremental Solution for Prebending with High accuracy, etc..

Die & FEM Mfg. Dept., Production Engineering Center

