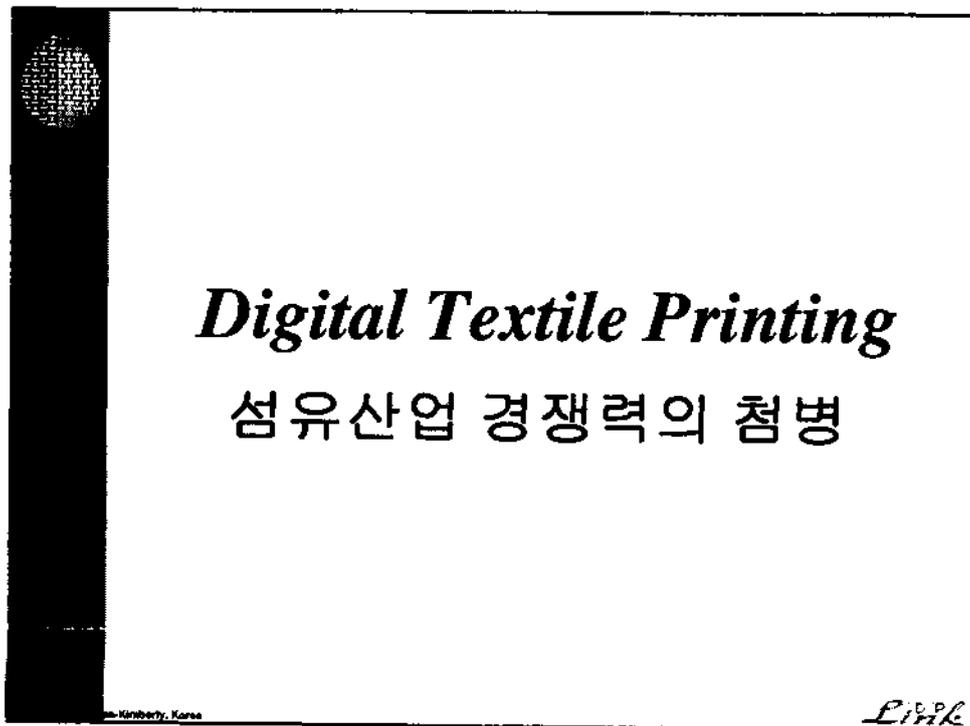
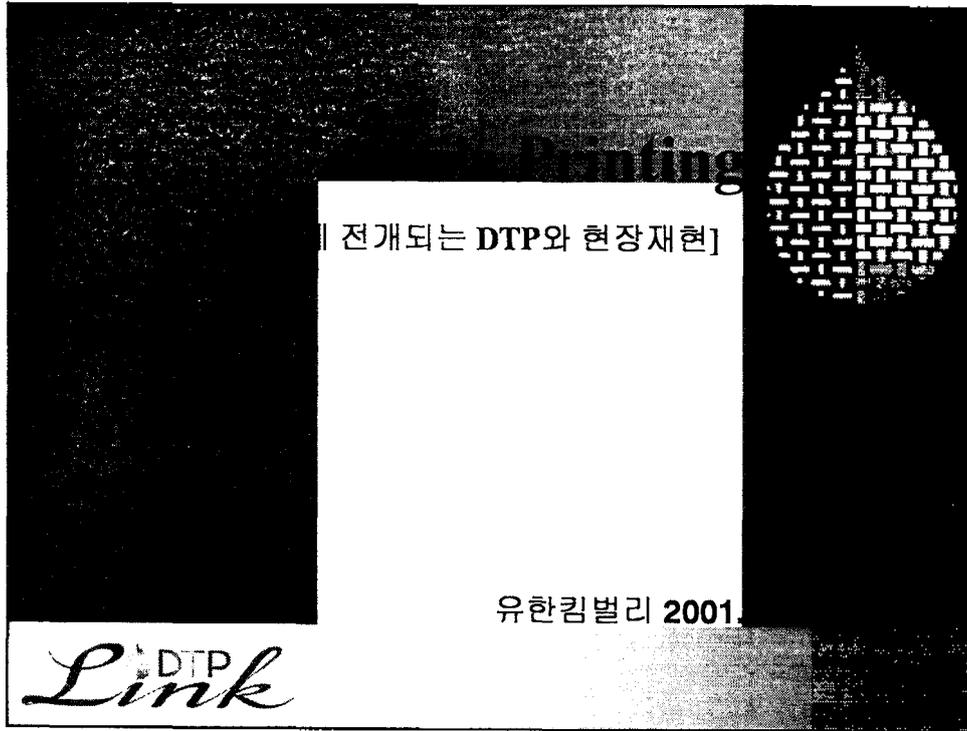


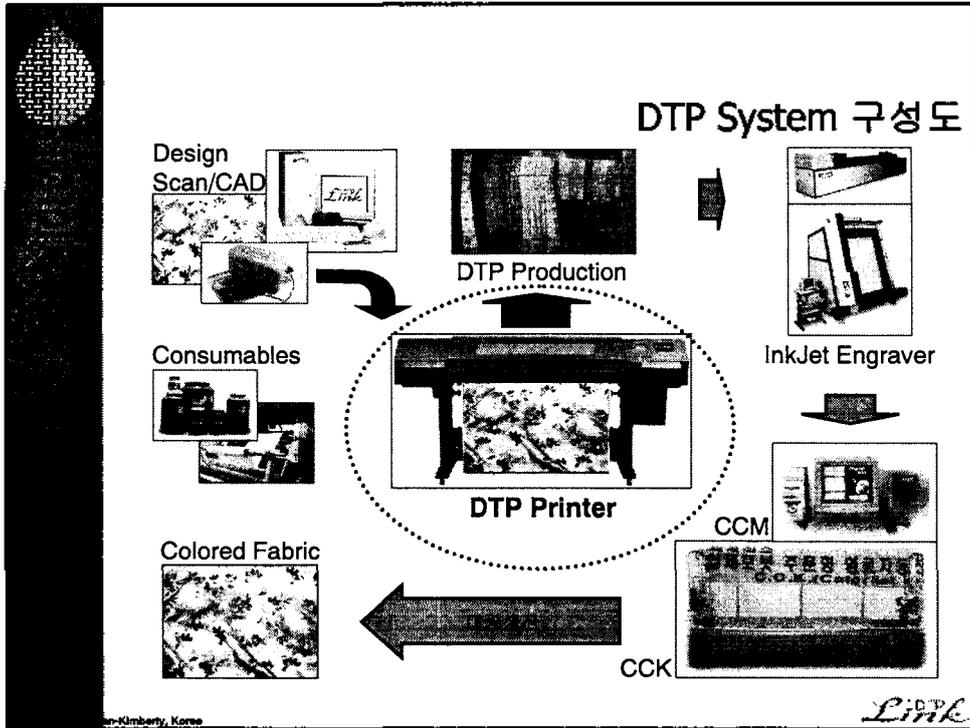
초청 학술 세미나 발표(I)

새롭게 전개되는 디지털 날염과 현장 재현

조 귀 영

(유한 킴벌리 부장)





Digital Textile Printing

IT in the Textile Industry

SUGAR TOUCH

Linen BLEND

PLAIN WEAVE

SPACE DYE

DESIGNING CREPE

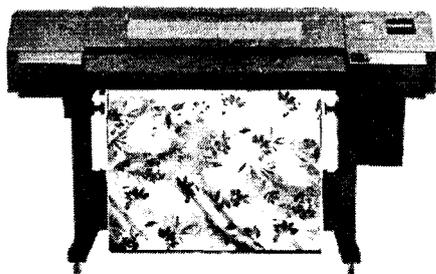
SILK TOUCH

YEL GYEL ORN SCL MRED RED GRN TQU MTQU BLU GRY BLK

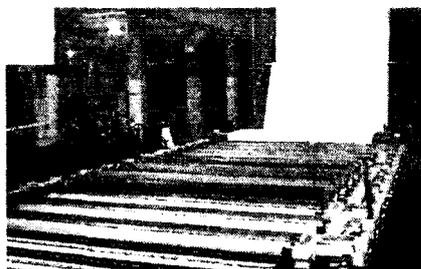
LINK

© Kimberly, Korea

DTP 대 재래식



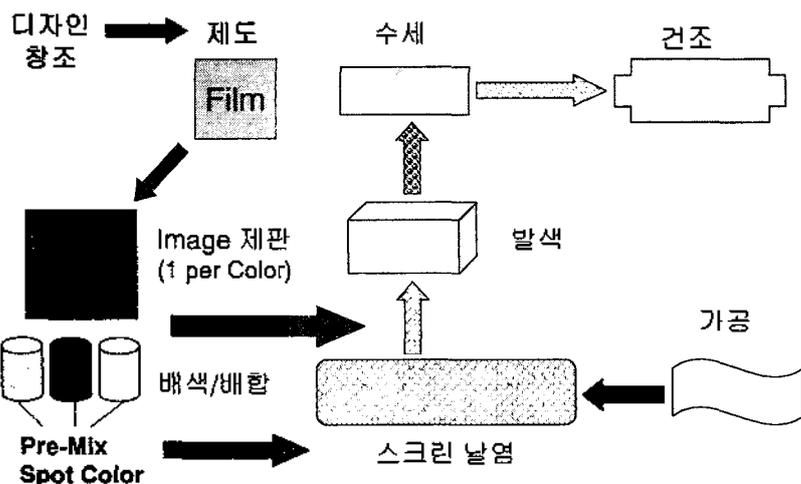
DTP식
동영상
재래식



Kimberly, Korea

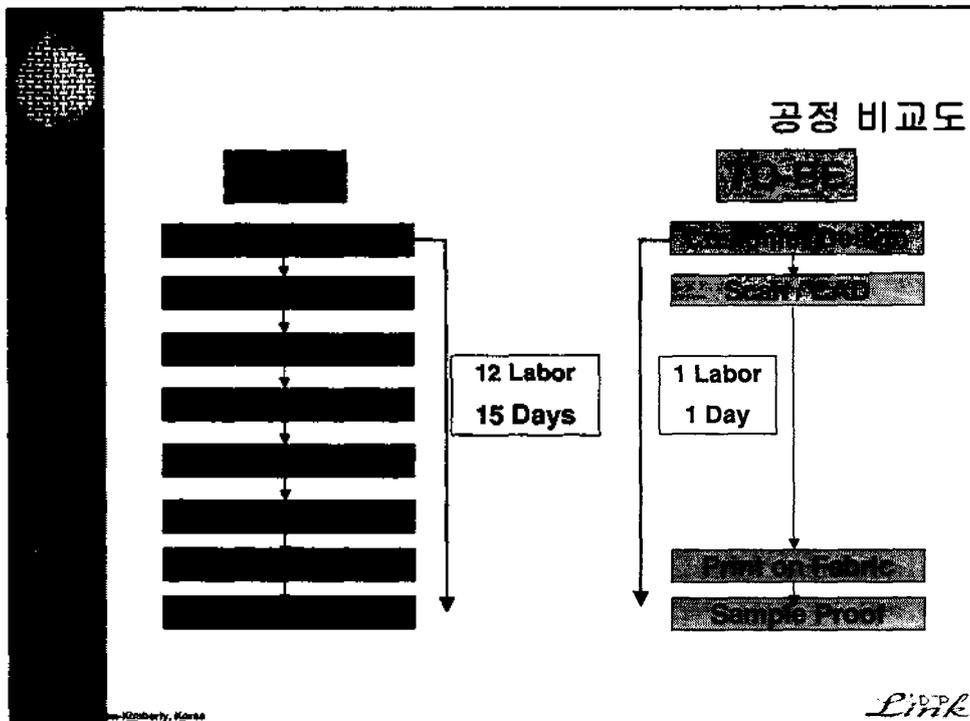
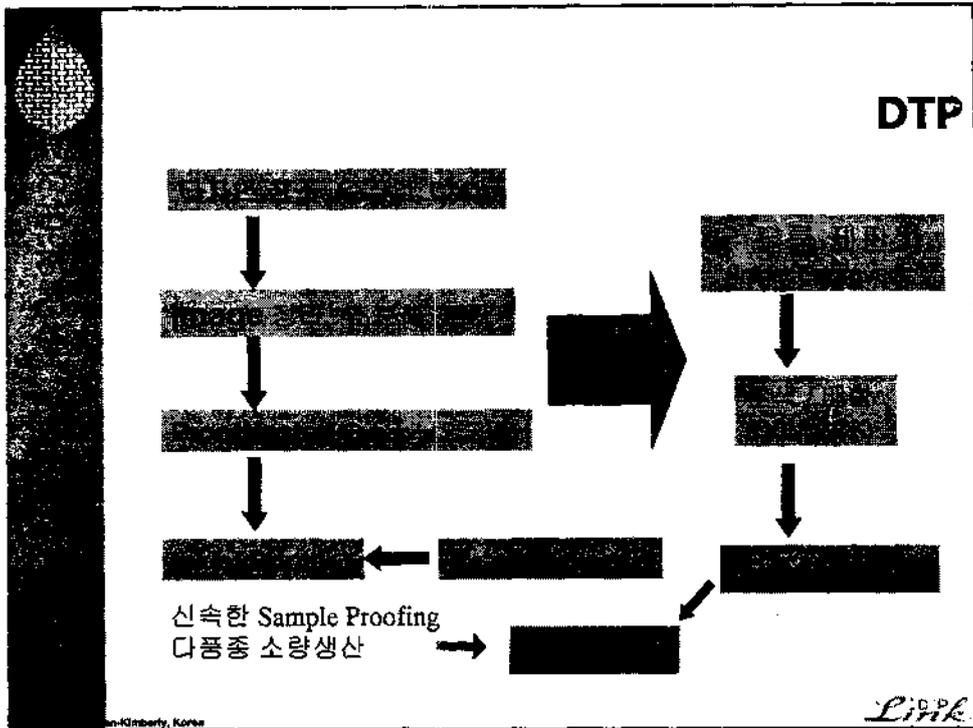
Link

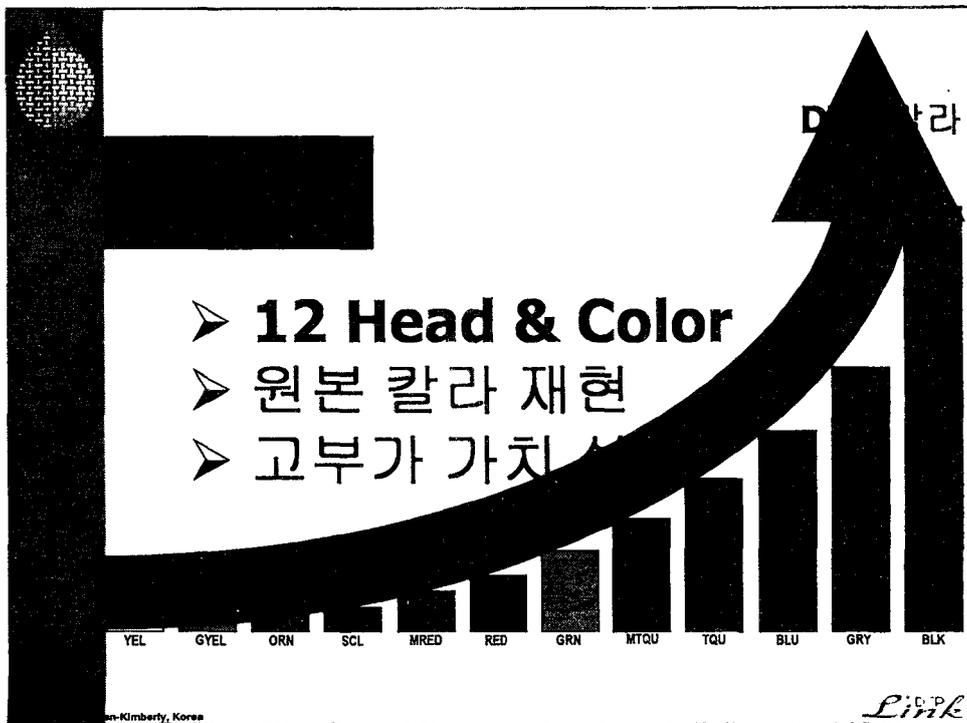
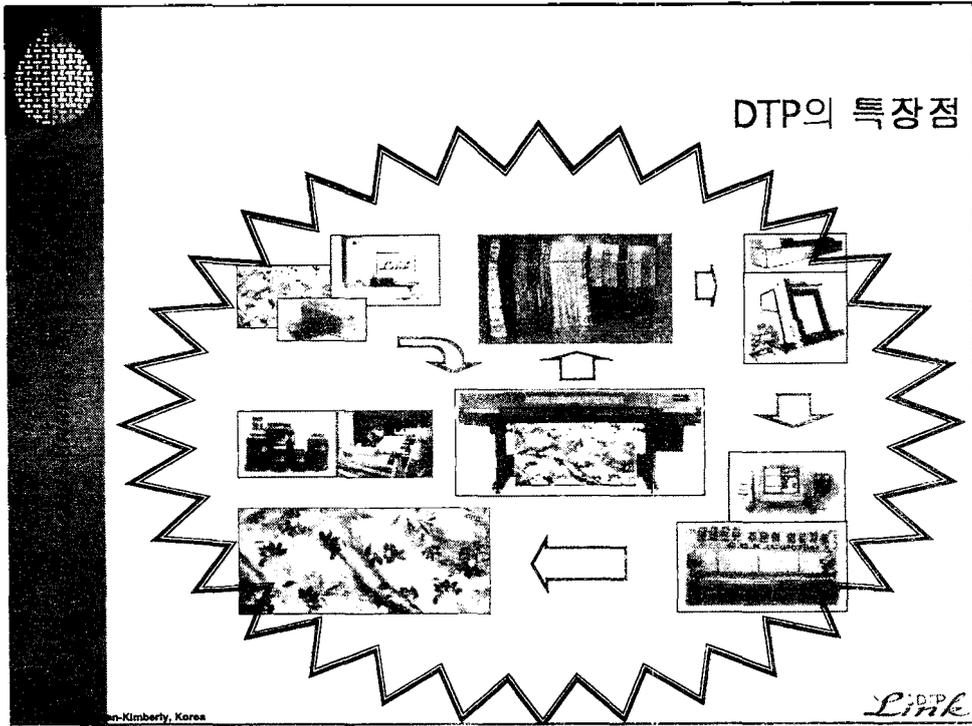
재래식



Kimberly, Korea

Link





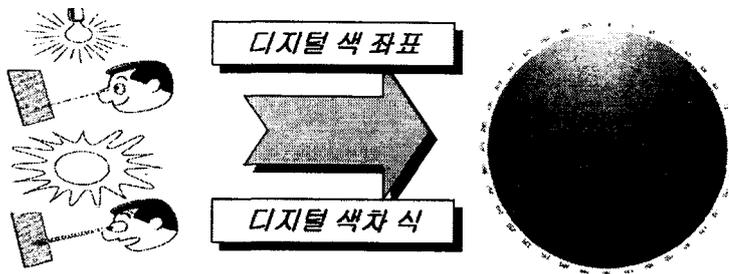
아날로그의 Digital 화

•아날로그

-색차를 한 사람의 눈에 의존하여 주관적으로 판단

•디지털

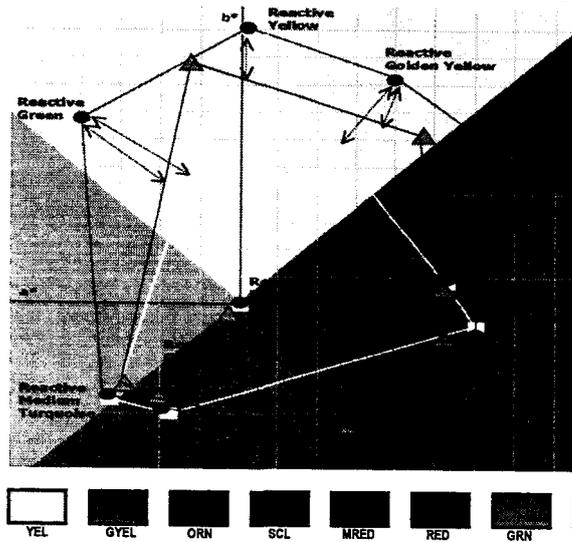
-색차를 수치로 제시하여 객관적으로 판단



©Kimberly, Korea

DTP Link

Digital의 표현력



● DTP Link

□ 6 Colors

△ 8 Colors

BLK

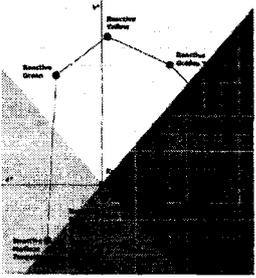
GRY

BLU

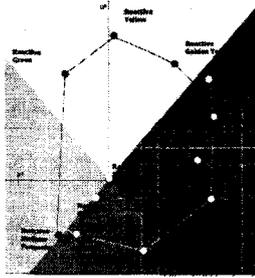
©Kimberly, Korea

DTP Link

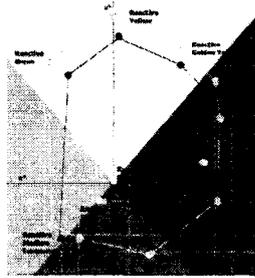
Digital의 후처리 후 표현력



Non-Steamed



Steamed



Steamed & Washed

an-Kimberly, Korea *Link*

DTP Fashion

Design Sketch



Image & Color



Fashion




YEL


GYEL


ORN


SCL


MRED


RED


GRN


TQU


BLK


GRY


BLU


MTQU

an-Kimberly, Korea *Link*

Colorway

YEL GYEL ORN SCL MRED RED GRN TQU

BLK GRY BLU MTQU

Link

©-Kimberly, Korea

Colorway

YEL GYEL ORN SCL MRED RED GRN TQU

BLK GRY BLU MTQU

Link

©-Kimberly, Korea

Colorway

YEL GYEL ORN SCL MRED RED GRN TQU

BLK GRY BLU MTQU

Link

Kimberly, Korea

Colorway

YEL GYEL ORN SCL MRED RED GRN TQU

BLK GRY BLU MTQU

Link

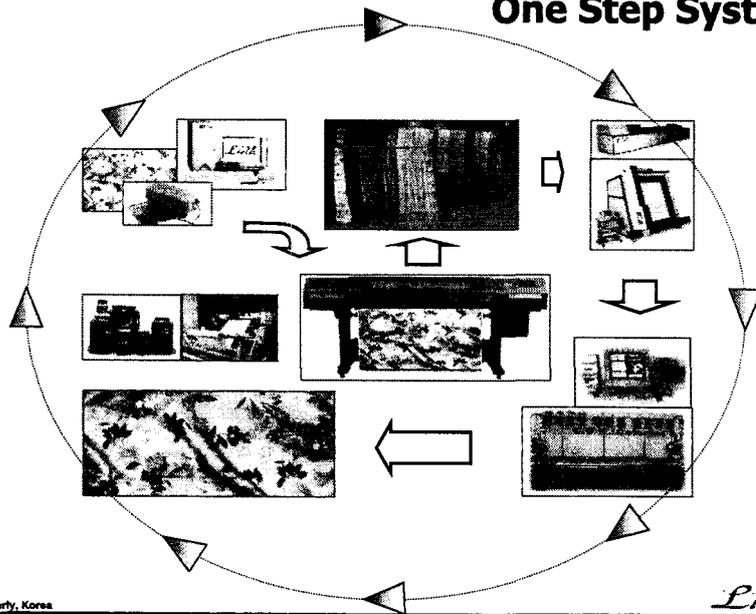
Kimberly, Korea

DTP Total Solution

- **Digital** 날염 체계 완성
- 신속 정확
- **Synergy** 효과
- 고부가 가치와 이익 개선

DTP Link

One Step System



DTP Link

완성의 개념

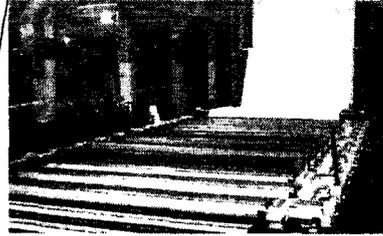


DTP 각종정보

- Digital Image
- Digital Color

현장에서 재현

- 날염 Image
- 현장 Color



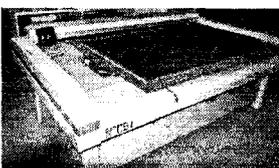
©-Kimberly, Korea

Link

Image 완성 절차



디자인 원본



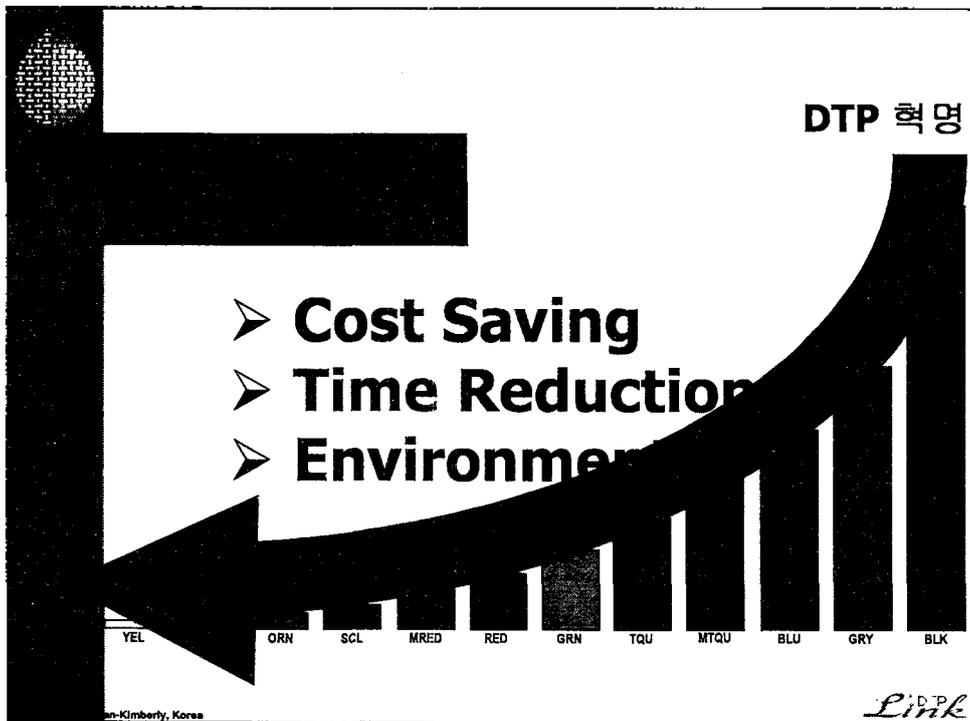
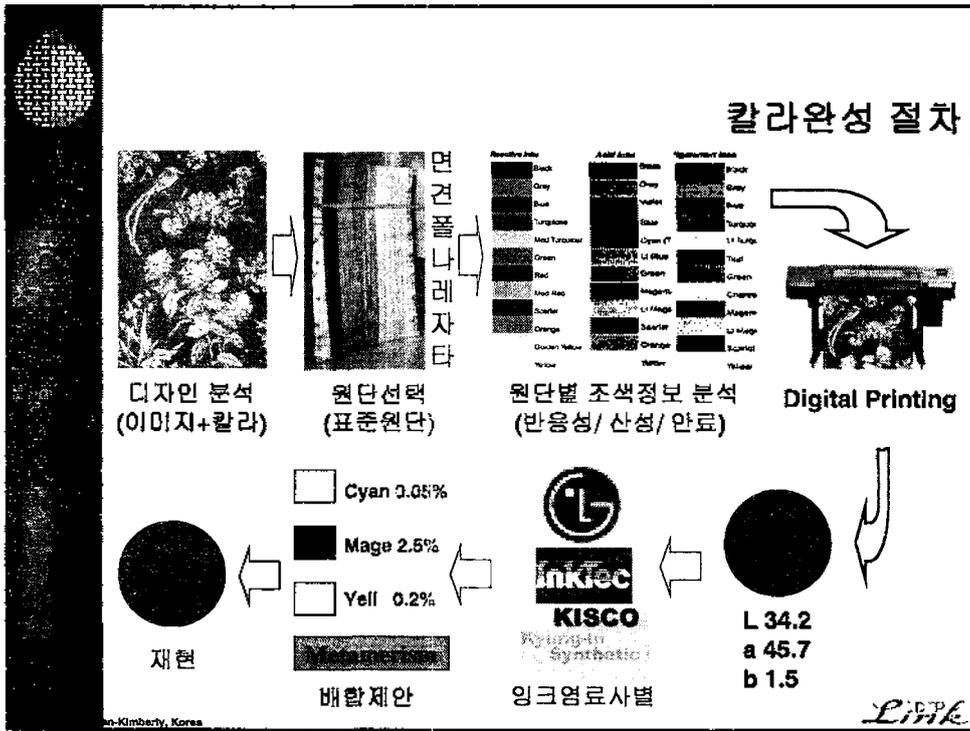
잉크젯 스크린



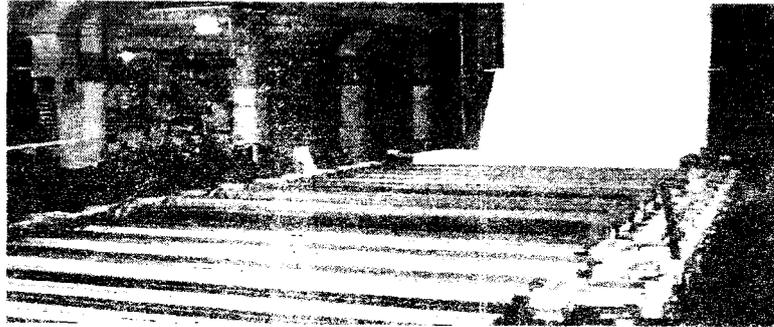
도수별 분판 스크린

©-Kimberly, Korea

Link



왜 DTP가 혁명인가?



기존 로프팅/스크린 날염방식은

- 스크린 Cost : 0.39 ~ 1.3백만원
- 최소 날염 : 500~2,000 Yd. 이상
- 1 Strike Off 에 12명 X 15일

©Kimberly, Korea

LINK

Cost 비교

재래식 날염 Cost		DTP 날염 Cost	
스크린	\$5,000	스크린	\$0
Design/ Art/ Labor	\$450	Design/ Art/ Labor	\$150
원단	\$50	원단	\$150
염료	\$500	염료	\$300
TOTAL	\$6,000	TOTAL	\$600

*) Notice : 10 yards of fabric, 10 color print

**) Data source : Barbie, Mattel. USA

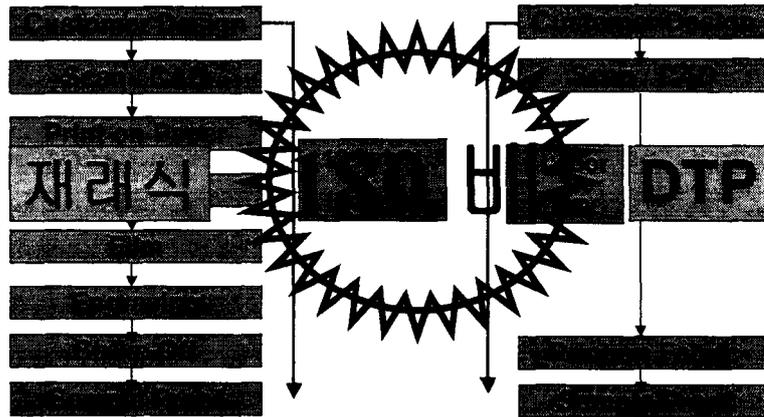
Sampling/Prototypes

5개 Sample 중 1개만이 실제 채택

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Time Reduction



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Link DTP

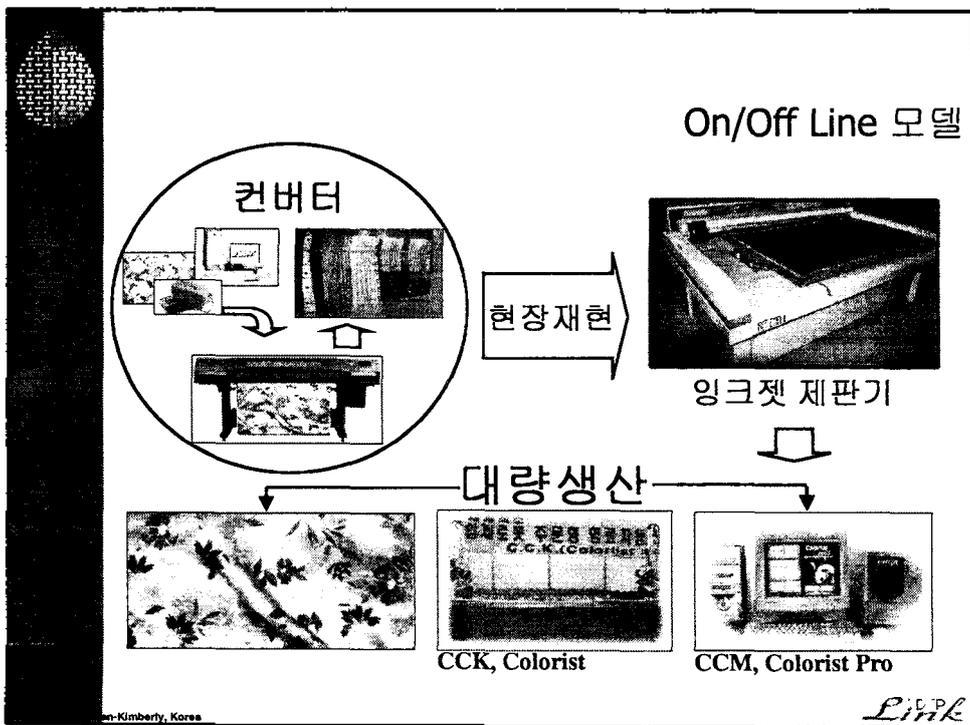
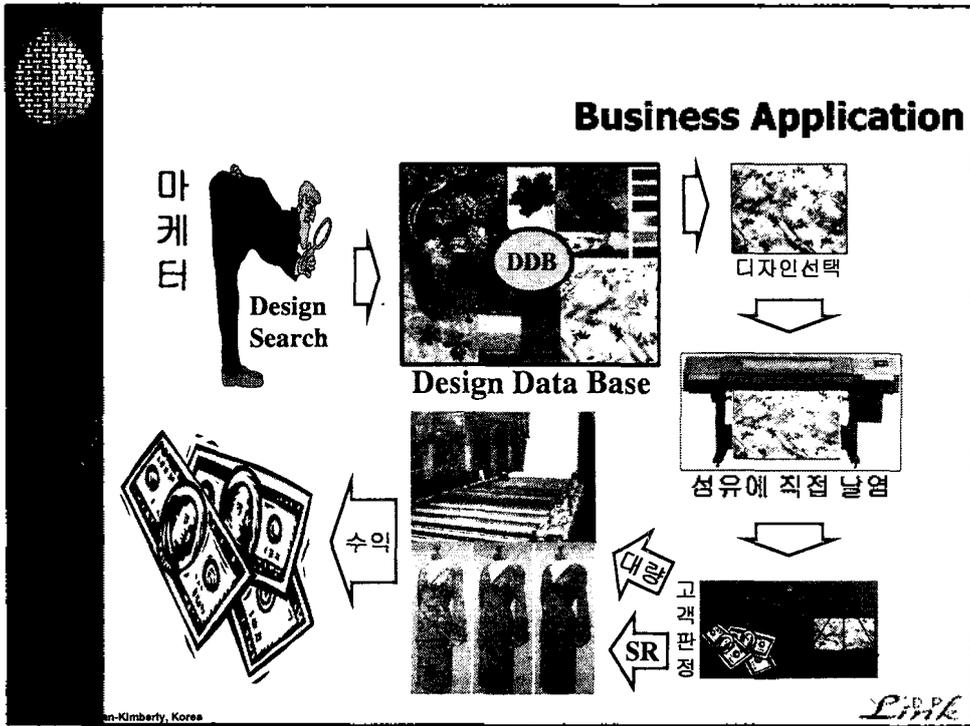
환경영향분석 (용수/폐기물 Kg)

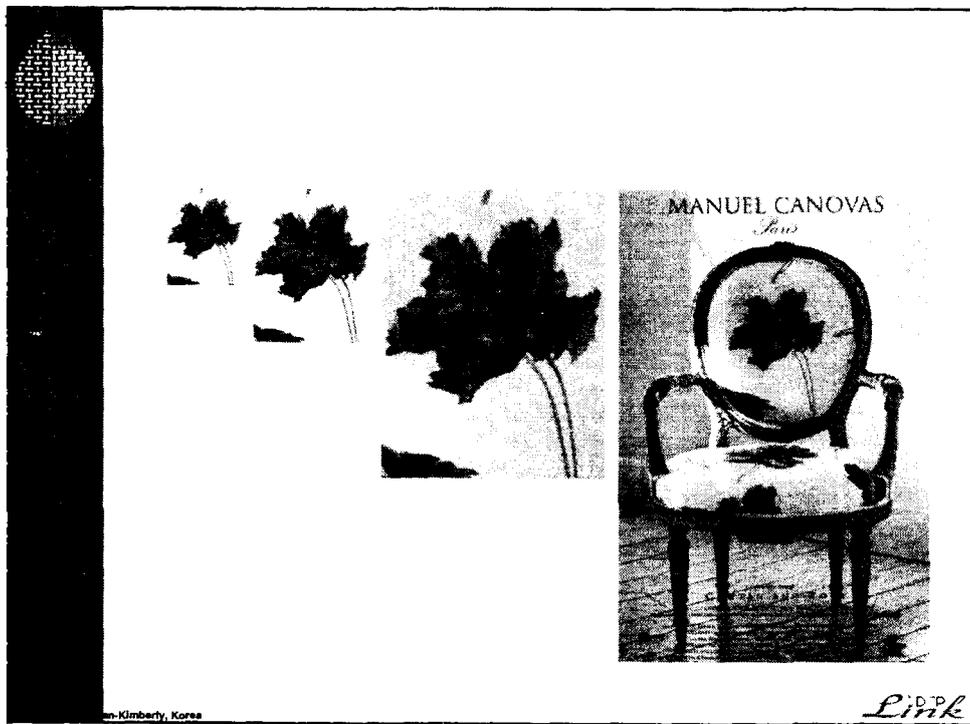
공정	구분	수날염	디지털날염	S/O 당 절감 %
프린팅	용수	69	0.5	99.3
	폐기물	0.7	0	100
세척	용수	458	3.44	99.2
	폐기물	0.5	0.002	99.6
합계	용수	527	3.94	99.3
	폐기물	1.2	0.002	99.9
COD		1.4	0.029	97.9

자료) 산자부 환경생산권리 보고서 발제
 주) S/O 수량 차이 감안 후 비교
 COD (화학적 산소 요구량)

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Digital Milan



Thank You

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보조자료

유한김벌리

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Link

설립

유한양행

1970. 3. 30 설립

김벌리클라크

in-Kimberly, Korea
Link DTP

모 기업-유한양행

1926

2,218억원 (2000년)

제품

가족 회사

	유한 양행	유한 김벌리	유한 화학
	한국와이어스	한국안선	유한 C&T
	에칭푸라유	유한크로락스	G.T.B.L.

in-Kimberly, Korea
Link DTP

모 기업-김벌리클락

1872



18조 7,000억원 (2000년)
Fortune 500 기업: 138위



사업국 40, 판매국 150+
세계 최대 화장지 제조회사



AMERICA'S
Most Admired Companies
1998 - 1999 • 2000 • 2001 • 2002 • 2003 • 2004 • 2005 • 2006 • 2007 • 2008 • 2009 • 2010 • 2011 • 2012 • 2013 • 2014 • 2015 • 2016 • 2017 • 2018 • 2019 • 2020 • 2021 • 2022 • 2023 • 2024

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Link

주요사업

- 가정용품
- 유아위생용품
- 여성용품
- **AFH (Away From Home) 용품**
- 보건복지용품 : 병원용품, Silver 용품
- **Digital Textile Printing**
- 기타사업 : 해외수출 사업, 부직포사업

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공익사업

- 우리강산 푸르게 푸르게
- 생명의 숲 가꾸기
- 평화의 숲
- 학교 숲 가꾸기
- 동북아 산림 포럼
- 내셔널 트러스트
- **Blue Sky** 운동

이미지파워 10대
 신용평가 AA+
 사회공헌도 1위
 환경이미지 1위

DTP Link

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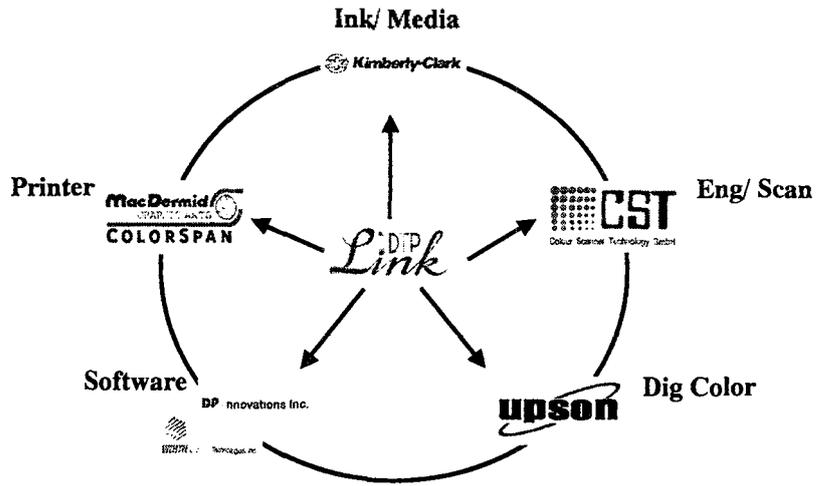


유한킴벌리 DTP 사업

DTP Link

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DTP 기술 제휴선



© Kimberly, Korea

DTP Link

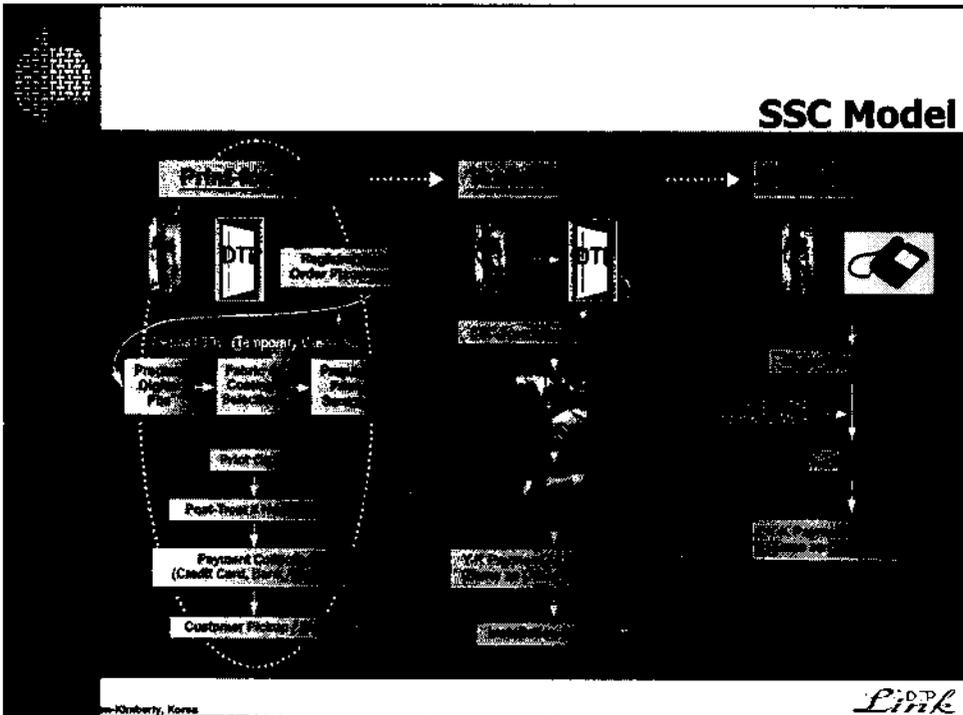
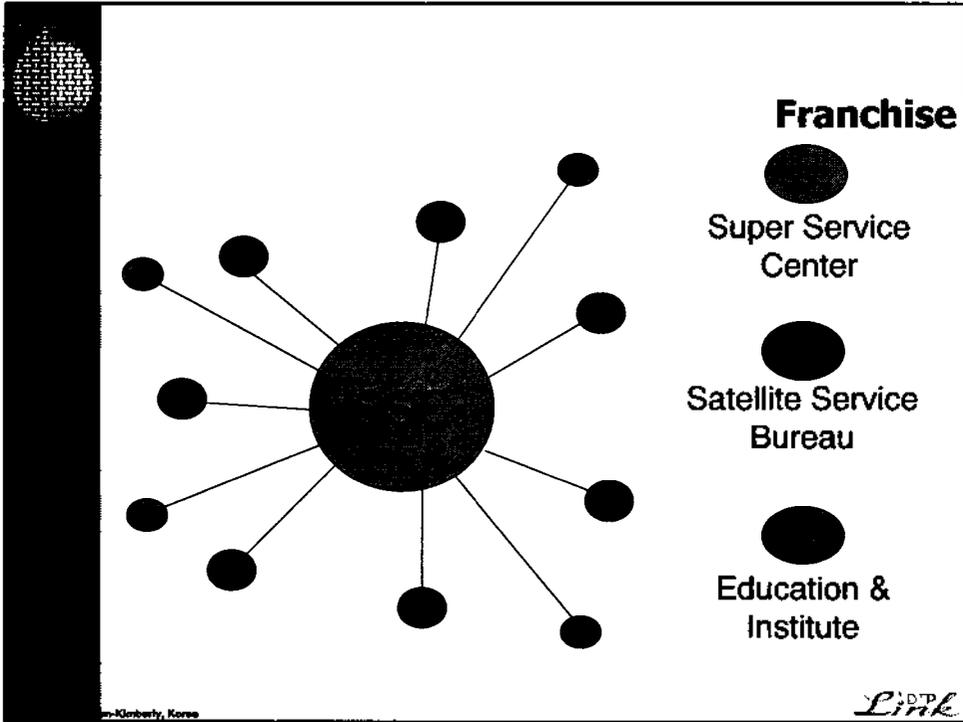
주요 프로그램

- **Franchise & 실용화센터**
- 마스터 스쿨을 통한 인재육성
- 완벽한 생산 재현성
- 소모품의 국산화
- **e-Business** 와 연계
 - *디자인 DB, Color IT, Simulation

실용화 = Make 

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DTP Link





SSC 업무

DTP 실용화 센터 서비스 내용

- 디자인/ 디지털 파일 전환
- 각종 원단에 전 후처리
- 샘플 프린팅(PFP)
- 디지털 제판
- 교육 및 유지보수
- 잉크/ Media/ System 판매

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LINK



마스터 스쿨

DTP Master 양성 프로그램

Launch	- December 2000
Curriculum	- Textile Design
	- ProofMaster / StudioMaster
	- Inkjet Printing
	- Y-K Profile
No. of Masters	- 50 in 2000
	- 150 in 2001
	- 200 in 2002



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