

FOR THE BEST, BY THE BEST

Presentation material of Pacom Korea

April 2022

Pacom

with

Client Logo

Certifications & Quality Control



- ISO 9001 – Quality Management System
- ISO 14001 – Environmental Management System
- ISO 45001 – Health & Safety Management System
- FSC(Forest Stewardship Council) Certified
- G7 Master Printer Qualification
- **Social Compliance** audit IETP (ICTI SMETA 매년 인증받고 있습니다.
- **Social Compliance** audit **SMETA** (SEDEX Members Ethical Trade Audit)
- **Lego** OBL SEQ or **TOYS_FACTORY ASSESSMENT Audit** Certified
- **COSTCO Non-Foods GMP Audit** Certified
- **Barnes & Noble Global Security Verification(GSV) Program Audit**



Louis Vuitton Book & Leaflet





Dior Magazine & Miss Dior since 2015



Miss Dior

Rolex Magazine





Pacom Korea Inc. is a leader in the graphic industry, which inherits and develops the tradition and creativity of Jikjisimkyung in the modern era.

- **The #1 Commercial Print Exporter in Korea**
- **2019 Small Business Awards**
- **2020 Small Business Company of the Year - Presidential Recognition Award**
- A comprehensive printing company with state-of-the-art facilities and technology such as Prepress, printing, binding, POD, design, publishing and more



- Korea's #1 commercial printing exporter
- 20 years of printing expertise and experience
- One-stop printing and printing on demand capacity
- Officially recognized “Small Giant” company
(by Korean government)



Pacom's Capabilities

Pacom

Prepress

- Design
- Editing
- Preflighting
- Color Separation
- Calibration
- Proofing
(Hard proofing & Soft proofing)
- Imposition
- Ripping
- CTP platemaking

Printing

- Sheet-fed Offset
- Web Offset
- **Digital POD
(Printing On Demand)**
- UV Printing
- Silk Screen
- In-line Aqueous Coating
- In-line Cold-foil Printing
- Automatic Numbering Print

Binding

- Hard Cover Binding
- Perfect Binding
- Notch Binding
- Saddle-Stitching
- In-line Card-Deck Binding
- In-line Automatic Calendar Binding & Packaging
- Wire-O
- Coil Binding
- Board Book Binding
- Book-Plus Binding & Packing
- Case Making (Rounded & Squared)
- Flexi Cover
- Padded Cover

Pacom's Capabilities

Pacom

Finishing

- Aqueous Coating
- Thermal Film Lamination
- Die-Cutting
- UV Coating
- Scoring & perforating
- Hot Foil Stamping
- Gilding
- Automatic Labeling

Packaging

- Shrink-wrapping
- Carton Labeling
- CD/DVD Packaging
- Specialty Pieces Assembly
- Home Banding

Please refer to [the Pacom website](#) for a more detailed overview.

Pacom Korea Statistics

Pacom

- Personnel: 150 employees(Pacom Group)
(Pacom Korea 40_{persons}, Pacom AAP : 100_{persons}, BookMake 10_{persons})
- Subsidiaries
Pacom AAP Inc. - BookMake Ltd. - Dandy & Design Ltd.
- Pacom Korea's Capital : 1.1 billion won
- Pacom Korea's turnover

Year	2018(unit : 1,000)	2019	2020	2021	2022
Turnover	33.3 billion won	35.6 billion won	38.5 billion won	37.0 billion won	46.2billion won
Export	USD 21.6 MIL \$	USD 21.7MIL \$	USD 21.9 MIL \$	USD 25.6 MIL \$	USD29.9 MIL \$

Certificate of company credit rating Pacom

(공공기관제출용)

신용평가등급 확인서

팩컴 코리아(주)

귀중

발행번호: GC1-2023-09921
발급일: 2023년 08월 29일

귀사의 평가 의뢰에 따라 당사 신용평가규정에 의거하여 평가한 귀사의 신용평가등급이 아래와 같음을 확인합니다.

기업명	팩컴 코리아(주)
대표자	김경수
사업자등록번호	129-81-30366
법인(주인)번호	131111-0042801
본사주소	(13558) 경기 성남시 분당구 정자일로 162, 8층 (정자동, 엘콘타워2)
재무기준일	2022년 12월 31일
등급평가일	2023년 06월 14일
유효기간	2024년 06월 13일
제출처 및 용도	교원그룹 / 입찰참가용

기업신용평가등급

BB+

회사채에 대한 신용평가등급 BB+에 준하는 등급

※ 유의사항

- 상기 신용평가등급 확인서는 '신용정보의 이용 및 보호에 관한 법률' 제 2조에 의한 신용정보취급사 관련 법령에 따라 작성하였습니다.
- 상기 신용평가등급은 당사의 평가기준 및 절차에 의거 일정시점에서의 평가대상 기업의 재무안정능력과 그 안정성을 평가한 것이며, 당해 기업의 재무안정능력을 보증하는 것은 아닙니다.
- 상기 신용평가등급은 당해 기업이 제출한 자료에 근거하여 평가한 것으로 업무의 참고용으로서만 제공되는 것이며 그 활용에 따른 판단이나 결정에 대하여 당사는 책임을 지지 아니합니다.
- 본 신용평가등급은 2023년 08월 29일(등급기준일) 현재 유효한 등급으로 등급기준일 이후 기업의 신용상태에 현저한 변동이 있다고 판단될 경우 사후평가절차에 따라 기업신용평가등급이 변경 또는 취소될 수 있습니다.
- 본 신용등급확인서는 상기 표기된 용도와 제출처 이외에는 사용될 수 없습니다.
- 신용평가등급에 대한 확인 및 문의사항은 한국평가데이터(주) (TEL:1811-8883)로 연락하여 주시기 바랍니다.

KODATA

한국평가데이터 주식회사



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따라서 어떤 정보도 당사의 사전동의 없이는 어떤 방식으로든 복제 목적을 위해서 무단전제되거나 복사 또는 재판매, 유통될 수 없습니다.

(공공기관제출용)

신용평가등급 확인서

■ 기업개요

기업명	팩컴 코리아(주)
대표자	김경수
본사주소	(13558) 경기 성남시 분당구 정자일로 162, 8층 (정자동, 엘콘타워2)
사업자등록번호	129-81-30366
법인(주인)번호	131111-0042801
설립일자	1999년 09월 27일
기업구분	중기업
업종분류(대)	제조업
업종분류(중)	인쇄 및 기록매체 복제업
업종분류(소)	인쇄 및 인쇄관련 산업
주요제품	각종 인쇄물 및 출판물
종업원수	34명 (연구소 소속 5명 포함)

■ 주요재무항목

(단위 : 백만원)

구분	2020-12-31	2021-12-31	2022-12-31
자산총계	60,193	60,933	65,328
부채총계	32,302	29,307	32,081
자기자본	27,890	31,626	33,247
납입자본금	1,100	1,100	1,100
매출액	38,502	36,958	46,163
영업이익	2,345	275	2,638
당기순이익	780	3,736	1,621
EBITDA	3,484	2,392	6,003
부채비율(%)	115.82	92.67	96.49
EBITDA/매출액(%)	9.05	6.47	13.00
영업이익률(%)	6.09	0.74	5.71

■ 등급의 정의

등급기호	등급의 정의
AAA	채무상환능력이 최고 우량한 수준임
AA	채무상환능력이 매우 우량하나, AAA보다는 다소 열위한 요소가 있음
A	채무상환능력이 우량하나, 상위등급에 비해 경기침체 및 환경변화의 영향을 받기 쉬움
BBB	채무상환능력이 양호하나, 장래 경기침체 및 환경악화에 따라 재무상환 능력이 저하될 가능성이 내포되어 있음
BB	채무상환능력은 인정되나, 장래의 경제여건 및 시장환경 변화에 따라 그 안정성면에서는 다소 불안한 요소가 내포되어 있음
B	현재시점에서 채무상환 능력에는 달면 문제는 없으나, 장래의 경제여건 및 시장환경 변화에 따라 그 안정성면에서는 불안한 요소가 있음
CCC	현재시점에서 채무불이행 가능성을 내포하고 있어 투기적임
CC	채무불이행 가능성이 높음
C	채무불이행 가능성이 매우 높음
D	현재 채무불이행 상태에 있음
NR	조사거부, 등급취소 등의 이유로 신용등급을 표시하지 않는 무등급

※ 'AA'부터 'CCC'까지는 등급내 우열에 따라 '+' 또는 '-'를 부가하게 됩니다.

KODATA

Certifications & Quality Control



- ISO 9001 – Quality Management System
- ISO 14001 – Environmental Management System
- ISO 45001 – Health & Safety Management System
- FSC(Forest Stewardship Council) Certified
- G7 Master Printer Qualification
- **Social Compliance** audit IETP (ICTI Ethical Toy Program) Certified
- **Social Compliance** audit SMETA (SEDEX Members Ethical Trade Audit)
- **Lego** OBL SEQ or **TOYS_FACTORY ASSESSMENT Audit** Certified
- **COSTCO Non-Foods GMP Audit** Certified
- **Barnes & Noble Global Security Verification(GSV) Program Audit**

LEGO BRAND FACTORY ASSESSMENT Audit (2023)

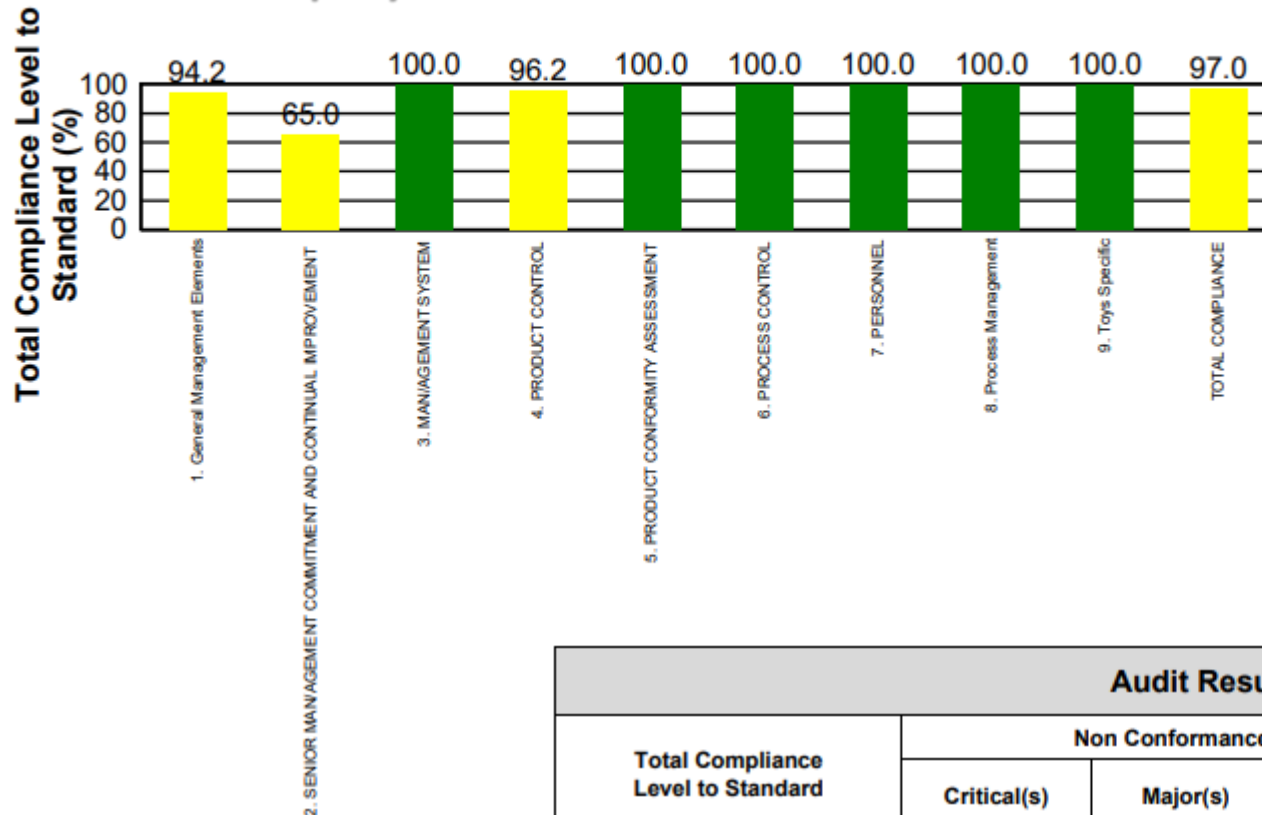
- LEGO_TIER1_HL & TOYS_FACTORY ASSESSMENT Audit (Audit Category : CHILDREN'S BOOK KIT)

(Client : LEGO, Vendor : SCHOLASTIC, INC. Manufacturer : Pacom AAP)

Audit Score Overview

Audit date : March 8th~9th, 2023

Audit Company : BUREAU VERITAS Inc.



Audit Results

Total Compliance Level to Standard	Non Conformance(s)			Risk Level for Supply	Follow-up frequency
	Critical(s)	Major(s)	Minor(s)		
96.99%	0	0	4	YELLOW	12 MONTHLY FOLLOW-UP

Costco Factory Assessment Audit(2023)

- **Costco GMP General Hardlines Factory Assessment Audit**
- **Audit Company : Intertek**
- **(Client : COSTCO WHOLESALE , Vendor : Scholastic, Inc. Canada, Manufacturer : Pacom AAP)**

AUDIT RESULT SUMMARY

Pacom AAP Inc **Audit date : August 30th~31th, 2023**

Annual Audit

Report #	F_IAR_37745_FQA	Audit Date	August 30, 2023
Auditor Name	James KOO	Number of Mandays	2 MD
	Section Name	Section Score	Section Rating
Section 1	Management Commitment & Continual Improvement	92%	Yellow
Section 2	Risk Management	98%	Yellow
Section 3	Quality Management System	86%	Orange
Section 4	Site and Facility Management	93%	Orange
Section 5	Product Control	97%	Yellow
Section 6	Product Testing	100%	Green
Section 7	Process Control	100%	Green
Section 8	Personnel Training	81%	Orange

Overall Score **Overall Rating**

94.32%

Orange

A full copy is attached separately.

Site Details

Site & Company name	Address	Business Type	SAQ Details
Pacom Korea Inc ZC1016643	7-12 Rd59, Nongsim-ro, Gunpo-si	Goods Providers	Last Updated: 01/07/2021 03:08
Pacom Korea Inc ZS1001140	Gyeonggi-do, Korea Gunpo-si 435-831 Korea, Republic Of KR		Completion: 100%

Primary Site Activity	Secondary Site Activity	Do you use labour providers?	Does the number of workers you employ fluctuate across the year because of seasonal variation in work?
Printing		No	No

PEAK SEASON

TYPE	MALE (local)	FEMALE (local)	MALE (migrant)	FEMALE (migrant)	MALE (total)	FEMALE (total)	Total
Permanent	0	29	0	0	0	29	29
Temporary	0	0	0	0	7	2	9
On Site - all	0	29	0	0	7	31	38
Total workers - all	0	29	0	0	7	31	38

SAQ Results

Introduction	Question	Answer
ZQQ409102273	Who is completing this form? Please enter your name, job title and email.	Hong Chul KIM, Director in charge of QC and ESG

Equipment List - Prepress

Purpose	Equipment
Work Flow	• Apogee 11 Prepress Workflow
Color Management (GMG Color Management Solutions)	• GMG Color Management Solutions • Hardware: X-Rite Color Calibration Solutions • Software: GMG Software Solution
Interactive Portal	• Apogee Web Approval System(Upload & approval of pages)
Pre-Flight & PDF Editing	• Acrobat PitStop Pro DC • Apogee 11
Screening	• AM Screen – ABS (Moire Free AGFA Balanced Screen) • FM Screen – Apogee X CR • Hybrid Screen – Apogee Sublima
Proofing	• HP Z3200 Inkjet Plotter • HP Indigo Press 5500 • FUJI Xerox Iridesse Press
Ripping	• Adobe PDF Renderer 5.0
Plate Setter	• AGFA N8-90XT • AGFA N8-50XT
Plate	• ADAMAS(AGFA)

Equipment List - Printing

Purpose	Equipment
Sheet-Fed Press	• Heidelberg EXCEL(XL105-8-P) • Heidelberg Speedmaster XL105-4 (4 colors) • Heidelberg Speedmaster XL105-5 (5 colors) • Roland R706-LV Evolution 3B w/ In-line Foiler 2.0 • Roland 700 Hi-Print R705 LV(5 colors)
Web-Offset Press	• GOSS M600 (4/4) 630mm cut-off x 2 (Heidelberg Web M-600)
Digital Press	• Xerox Nuvera 314 Press • HP Indigo 5500 Press • FUJI Xerox Iridesse Production Press (6 Color) • FUJI Xerox Versant 80 Press

Equipment List–Binding & Finishing 1 *Pacom*

Purpose	Equipment
Cutting System	• Polar Paper Cutting System 137XC x 2 • Polar Square Cut Label System Autotrim M-137 • Hercules 77
Folders	• STAHL TH 82-6/4/4 Folding System x 2 • STAHL TH 66 6/4/4 Folding MC x 4
Hard Cover	• KOLBUS Compact Line (60 cycles per min.) • HC Case Maker(KOLBUS DA 270 w/ SA 270, Inside Lining) • SEWING MC(3 x Muller Martini Ventura MC, 1 x Aster Astronic 180, 1 x Large Format Sewing MC)
Perfect Binding	• Yoshino YST-120 (36 pockets) Line • Shoshin SB-200 (18 pockets) Line • Horizon BQ 470 (Digital)
Saddle Stitch Binding	• Muller Martini Primera C-140 (9 pockets) • Heidelberg Stitchmaster ST-350 (9 pockets) • DUPLO Booklet Maker (Digital) • Osako Saddlestitcher(8 pockets) x 2 • Full Automatic Calendar Binding & Packaging lines x 2

Equipment List–Binding & Finishing 2 *Pacom*

Purpose	Equipment
Board Book Binding	• Full Automatic Binding Line
Wire-O Binding	• Full Automatic Punching & Binding Line x 2 • Automatic Binding & Assembly Line (Book-Plus) x 2 • Wire-cutting & end-clinching MC x 2 • Automatic Punching Machine x 3
Special Binding	• Automatic Card-Deck Binding & Casing Line
Die-Cutting	• Asahi Carton Master x 2 • Semi-Automatic Die-cutting MC • Valloy DUOBLADE F Label Cutting MC
Shape Punching	• BUSCH Automatic Punching MC (Model BLS)
Others	• WOMAKO Wire Forming MC x 5 • GMP Pioneer 5000 Dual Thermal Laminator • Full Set Hot Foil Stamping System

Our prepress workflow system of Apogee v11 & Pacom

Apogee Web Approval

* Our prepress workflow system of Apogee v11 is

- the first workflow to integrate and release an integrated APPE 5.0 that is ready to take on PDF 2.0.
- Full hybrid workflow solution for CtP, CtF, proofing.
- The integration of the Adobe PDF Print Engine (APPE) allows PDF files to be rendered natively.
- GWG certified; PDF/X-4 rendering and is fogra certified.
- this expands the maximum rendering size of Apogee Render to 1165mm x 950mm (45.87" x 37.4").

* Apogee Web Approval is

an interactive portal solution that strengthens the communication and collaboration between printers and their customers. It allows all participants throughout the graphic communications process to collaborate on projects and tasks within a 24/7 accessible web-environment. This results in higher productivity, a shorter number of steps before printing, and reduced costs of reworks and errors.

- ✓ HTML5 based design – no need for Flash or Java
- ✓ Mobile responsive layout – also works on iPad & Android tablets
- ✓ Designers can upload job content by simply dropping their files on the web client.
- ✓ Customers approve rendered softproofs. This helps to avoid mistakes and costly reprints.
- ✓ Approval cycles are shortened so that projects can meet their deadlines.
- ✓ Everyone involved has 24/7 access to jobs, allowing the printer to extend their customer service.
- ✓ Job data can also be shared with the CSRs, keeping everyone in the loop.
- ✓ Automated messaging means no additional work or rekeying data.
- ✓ Page approval is integrated in the prepress flow to speed up production and avoid double data entry.
- ✓ Apogee Preflight integration: WebApproval users and translated for easier understanding by end users.
- ✓ Download single softproof PDF page from the Flip Book
- ✓ Add rejection remarks on the page level/- Check bleed & validate page boxes
- ✓ View separations to check overprint & spot colors
- ✓ e-mail notification for upload or approve pages, pending deadline

Off-set Printing Equipment

6 Color Format w/ UV Impressions



(6C + coater + inline foiler + 18,200sph)

Roland R706 3B **Sheet-fed Press**



5Color,
17,000 sph(speed)

Roland R705-3B Evolution **Sheet-fed Press**



Heidelberg Web M-600
(Web-Fed Offset) 8Color,
40,000 sph(speed)



Heidelberg Web M-600
(Web-Fed Offset) 8Color,
40,000 sph(speed)

- Allows for flexibility in order volume

Versant™ 80 Press

Productivity with a wide selection of media
from 52 to 350 gsm

Ultra HD Resolution
1200 x 1200 dpi



Iridesse™ Production Press

Rated speed
120 ppm (8.5" x 11"/A4), 52-400 gsm

Paper size
98×148 mm ~ 330×488 mm



Xerox Nuvera DT314

- 1,200 x 1,200 dpi RIP resolution
- 4,800 x 600 dpi printing
- 85, 106, 125, 134 lpi and 156 lpi with halftone screen





1. Xerox Versant V80

- ◆ Speed: 4C (80 sheets) - based on an A4 single-sided sheet
- ◆ Paper: 488mm X 330mm (slightly larger than indigo)
- ◆ Grammage: 70 g to 250 g (thickness: 0.25 mm)
- ◆ Equipped with Fiery Lip by EFI
- ◆ External densitometer to measure and calibrate the color status of the machine
- ◆ CMYK 4-degree color line printing

2. Xerox Iridesse (Revoria PC11200)

- ◆ Speed: 4C (120 sheets) - based on A4 single-sided
- ◆ Paper: 488mm X 330mm (slightly larger than indigo)
- ◆ Weight: 70g to 350g (thickness: 0.4mm)
- ◆ Toner-based output for the highest quality available today
- ◆ Equipped with FUJIFILM Innovation GX Server
- ◆ Equipped with an external densitometer that can be calibrated by measuring the color status of the machine.
- ◆ Slight smearing when printing.
- ◆ CMYK + Silver ,White, Pink, TX toner available (6-degree printing)

3. Nuvera 314

- ◆ Speed: 314 pages per minute (A4)
- ◆ Paper: 467mm X 315mm, Grammage: 65g ~ 150g
- ◆ Output quality is close to OFFSET compared to other devices due to the use of fine toner
- ◆ Paper preheating function reduces jams and warping and maintains the same output speed regardless of paper type
- ◆ Designed for ease of use by operators with a touch screen
- ◆ Capable of handling variable data
- ◆ Eco-friendly output (no waste toner, no ozone)

Binding machines and post-press machines)

Pacom

- Hardcover binding machine & case maker



- Saddle-stitch book binding machines



Binding machines and post-press machines)

- Fully automated perfect binding lines



- Automated calendar binding lines



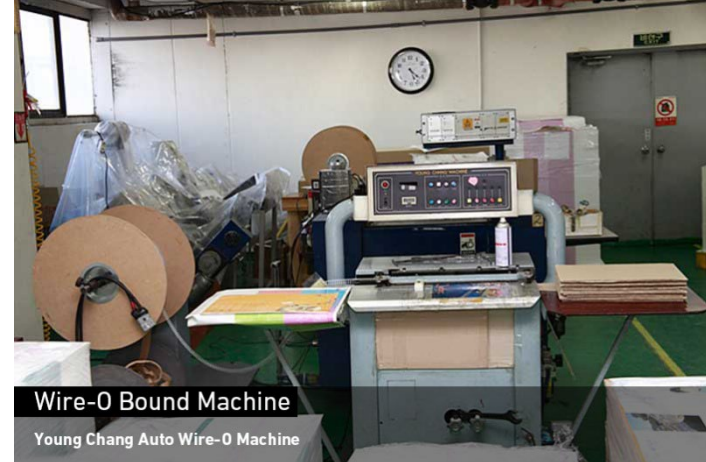
Stahlfolder TH 82-P Folding Machine

Binding machines and post-press machines)

- **Board book binding line**



- **Twin ring (Wire-O) line**



Wire-O Bound Machine
Young Chang Auto Wire-O Machine

- **Collation line**



Gathering
KTM Collating Machine

Max : 320 x 400 mm

- **Packing line**



Packing
CZS-77-8-H-PS

Portfolio

Product Type

- Catalogues & leaflets
- Magazines
- Books
- Board Books
- Children's Activity Books
- Stationery
- Calendars

Binding

- Hardcover
- Saddle stitch
- Softcover
- Wire-O

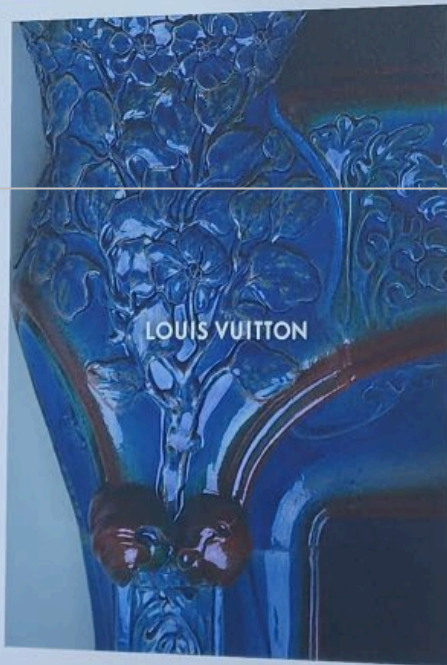
Disclaimer

The following is a selection of samples from a vast portfolio.
To see Pacom's full portfolio, please refer to [the Pacom website](#).

Louis Vuitton Magazine since 2009



THE BOOK



LOUIS VUITTON



LOUIS VUITTON



Louis Vuitton Book & Leaflet





Rolex Magazine



Breitling Catalog



Catalog & Product Manual

Pacom



Magazines



- Book & Maker Kit



Cartoon Books



Calendars



BTS 달력



Board Books



(Pacom's Eco-friendly printing)

Pacom

▲ Print on eco-friendly paper - Forest Stewardship Council (FSC) CoC certificate

CERTIFICATE

CERTIFICATION CODE: CU-COC-810912

Field of attention:
FSC Chain of Custody (CoC)

Issued to:
PACOM KOREA Inc.
Gyeonggi-do, KOREA (South)
Project in: KOREA (South)

Standard:

FSC-STD-40-004 V3-0 Chain of Custody Certification
FSC-STD-50-001 V2-0 Requirements for use of the FSC trademarks by Certificate Holders

Valid until: 26 November 2023

The validity of this certificate shall be verified on <http://info.fsc.org/>

Control Union Certifications declares to have inspected the unit(s), and/or products of the above mentioned certificate holder, and have found them in accordance with the standards mentioned above.

This certificate covers the unit(s), and/or product(s) as mentioned in the authenticated annex of this certificate. A full list of product groups covered by the certificate can be found on the FSC database of registered certificates (<http://info.fsc.org/>).

This certificate itself does not constitute evidence that a particular product supplied by the certificate holder is FSC-certified [or FSC Controlled Wood]. Products offered, shipped or sold by the certificate holder can only be considered covered by the scope of this certificate when the required FSC claim is clearly stated on invoices and shipping documents.

This certificate remains in force until further notice, provided that the client continues to meet the conditions as laid down in the client contract with Control Union Certifications and verified in annual inspections by Control Union Certifications.

Date of certification:
27 November 2018
Place and date of issue:
SEOUL, 06 December 2018

CERTIFICATE No: C810912CU-COC-02.2018
REGISTRATION No: CU 810912



The mark of
responsible forestry

Declared by:

On behalf of the Managing Director

Mrs. S.J. Kim Hoogendam

Certifier
Control Union Certifications
Meeuwenlaan 4-6
8011 BZ ZWOLLE
The Netherlands
<http://www.controlunion.com>
tel.: +31(0)38-4260100

Per order, Jessica Yoon



Production sites using FSC-certified paper



▲ Use of Eco-friendly soybean oil ink(Non-VOC Soy Ink):

The ink used for printing is a chemical ink that contains petroleum solvents. However, our ink solvent does not use conventional mineral oil, but instead uses eco-friendly soybean oil ink, which is vegetable oil, to eliminate VOCs (volatile organic compounds) that cause air pollution. Paper printing with soy-based inks is more expensive than regular offset printing, but the trend of soy-based printing is increasing due to the interest in eco-friendly materials. To recognize the logo (seal) of eco-friendly inks made with soybean oil, you can see "Printed with Soy Ink" as shown below, or go to the website of The American Soybean Association (ASA) to accept the agreement and pay USD300 per year.



The ASA allows the use of the certification mark on inks that have been verified by meeting certain thresholds set by the ASA and on substrates printed with the ink, which thresholds are as follows ;

- 40% or more of black newsprint ink - 30% or more of color newsprint ink - 25% or more carbon ink
- 20% or more of the ink of the newsprint, - UV ink 7% or more, and gravure ink 6% or more,
- Metal ink (gold, silver, etc.) 10% or more

Eco-friendly alcohol-free printing

Eco-friendly alcohol-free printing is a printing method that produces high-quality printed products without using any alcohol (IPA) in the printing process, so that harmful substances caused by alcohol (IPA) are not generated, aiming at the health and safety of customers, improving the working environment at the printing site and reducing global environmental pollution.

* Alcohol (IPA) causes headaches, vomiting, and decreased concentration, and causes global warming by generating deadly ozone during summer smog and decomposition in sunlight.

For eco-friendly alcohol-free printing, PACOM uses only machines in Manorland and Heidelberg, Germany, equipped with DirectDrive alcohol-free printing machines to realize 100% alcohol-free printing.

PACOM's UV ink-only printing presses more environmentally friendly than regular ink presses:

- UV ink is an ink that cures from liquid to solid in a very short time by causing a photochemical reaction with the energy of ultraviolet light.
- As environmental issues increase, UV ink is being preferred as an effort to reduce organic solvents that cause problems for the environment and workers' health when using solvent-based inks, and UV ink that is cured by ultraviolet light is being preferred. Compared to conventional inks, it is highly appreciated for its many advantages such as instant drying, low temperature, high productivity, solvent-free, and pollution-free, and is used in a wide range of applications today.
- Since UV-only printing machines do not use solvents, there is no evaporation of solvents and they are environmentally friendly, so VOC = 0.

UV soybean oil ink, which contains soybean oil, is even more eco-friendly.

- Offset printing requires time for the ink to dry and spray powder to prevent set off and blocking, but UV offset printing is eco-friendly because it is not an instant drying system.

Chemistry free plating

- Process Free Plates(무현상 CTP판)

(Anomaly-free CTP plates)

Chemistry Free plates skip the development process, so they go straight from the imaging device to the press without the use of chemicals, with no processing steps in between. By being able to process your main printing plates and increase productivity, you can be more competitive, save money, and reduce your environmental impact all at the same time. Save money, water, and energy by eliminating plate processing. KODAK SONORA Process Free Plate helps printers reduce their environmental impact and eliminate the cost, variability and extra steps of plate processing.

A full copy is attached separately.

팩컴에이에이피(주)	품질/환경경영절차서	문서번호 : AAP-QP- 710 제정일자: 2017.05.01 개정일자 : 2023.01.04 페이지 : 1 / 7
	기업보안(Corporate security) - 사이버 보안(Cybersecurity)	

1. 사이버(cyber) 보안 정책의 목적

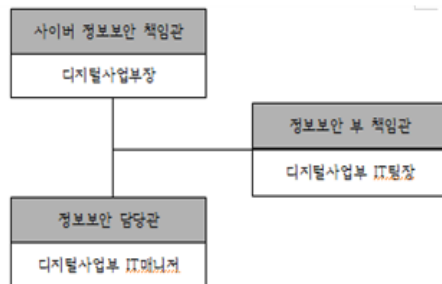
○ 해킹, 인터넷 뭉, 서비스 거부공격과 같은 사이버(cyber) 공격에 대해 침해사고 대응체제와 절차를 규정하여 신속한 대응·복구로 피해를 최소화하는 목적으로 한다.

2. 적용범위

가. 웜·바이러스, 해킹 등 사이버(cyber) 공격으로 인한 사내 정보통신망 마비, 기밀자료 및 중요자료 유출 등 위기상황 발생 시 적용

나. 정보보안 담당부서 및 위기상황이 발생한 단위부서의 위기관리 활동을 기술

3. 사이버(cyber) 정보보안조직도



4. 팩컴의 사이버(cyber) 보안 관리 및 사이버(cyber) 교육 현황

- 팩컴의 사이버(cyber) 보안은 내부망과 웹망(온라인)으로 분리, 관리되며

1. 내부망은 군포공장 전산실에 서버 및 장비를 통해 운용되고 있습니다.

PMS, MES, POP 등

2. 웹망은 IDC(서초-가산)센터에 서버를 설치 운용하고 있습니다.

pacomprinting.com, gopacom.com, bookmake.co.kr, uprint.co.kr 등

팩컴 코리아 내부망 = Check Point Security Gateway
(Firewall, IPS, Application Control, URL Filtering, Anti-Virus, Anti-Bot)
Platform: Check Point 3100

↳ 내부망 추가장비 = 전산실 보안 장비(23.06.02)

- 장비명: SG125 - 제조사: SOPHOS

- 보유 기능: Firewall, IPS(침입방지시스템), VPN(IPSEC, SSL)

UTM (Unified Threat Management) 통합 위협 관리 보안 솔루션

침입 차단 시스템, 가상 사설망 등

다양한 보안 솔루션 기능을 하나로 통합한 보안 솔루션.

보안 솔루션은 그 목적에 따라 방화벽,

침입 탐지시스템(IDS: Intrusion Detection System),

침입 방지 시스템(IPS: Intrusion Prevention System),

가상 사설망(VPN: Virtual Private Network),

데이터베이스 보안, 웹 보안, 콘텐츠 보안 등 다양한 솔루션 형태로 분화, 발전되어 왔으나

그 결과 각각의 보안 솔루션 운용 방법을 익히기 위한 시간 비용,

그리고 운용을 위한 물리적 공간과 인력 확보가 요구되었다.

통합 위협 관리(UTM)는 다양한 보안 솔루션을 하나로 묶어 비용을 절감하고 관리의 복잡성을 최소화하며, 복합적인 위협 요소를 효율적으로 방어할 수 있다.

사이버(cyber) 보안 교육

- 주기적 비밀번호 변경이 필요한 개별적으로 할당된 사용자계정이 있습니까?

- 데이터 손실을 방지하기 위한 서면 절차와 자동 백업 기능이 마련되어 있습니까?

- 시스템 및 전자 데이터에 대한 무단 액세스 및 변조 시도를 모니터링하고 방지하기 위한 자동화 시스템이 마련되어 있습니까?

- 컴퓨터 시스템 액세스 권한을 가진 직원이 정보 기술 시스템 정책, 절차 및 보안 표준을 인식하고 교육을 받습니까? 직원 교육이 문서화되고 유지됩니까?

- 정보 기술 정책 및 절차를 위반하거나 남용하는 직원이 징계 조치를 받습니까?

웹사이트 게시 등을 통하여 절차서(매뉴얼 등)를 수출입관리책임자 등 관련 업무 직원 간 공유하고 있습니까?

Customer References

Shearson Publishing

“I just want to thank you for the great job on the corporate calendar shipment. Everything looks just terrific and the cartons were all well marked and the pallets perfectly organized. So thanks for the attention to detail. I really appreciate it!”

Wess Stafford President, Compassion International

“What a masterpiece you have produced. Thank you for your hard work and commitment to excellence! How right that this wonderful book should be printed in South Korea, the very roots of Compassion. On behalf of the children and a very grateful ministry. Thank you!”

Customer References

Dust Devil Books

“So far, your production team has done everything promised and performed beautifully. My compliments for your degree of commitment and professionalism all up and down the line.”

Huntington Library

“The Chinese Woodblock book you printed for us won a significant award, actually 2. It won best overall book and best art book at PubWest (Publishers West.) They take submissions from all over the US and is an organization for publishers. Thank you for your very good work!”

Customer References

**Debbie Hampton,
John F. Blair Publisher**

“We got our advance copies today. THEY LOOK FANTASTIC. You all do such great work. And the process is always smooth as silk. Please pass my thanks on to those who were involved.”

**Jacques Verhaak,
Memphis Yacht Club**

“Again an outstanding job, please pass on our sincere appreciation for the superior work your plant does for us. Memphis Yacht Club arrived in our warehouse in Memphis on Wednesday April 4 and the Slidell shipment was delivered in Slidell on 4/5. Both books have been well received by our customers and will make final payments on these produce no later than 30 day from delivery.”

5. Cost estimation(our proposal)

20032210	MANUAL_OPERATORS_ENGLISH_EC220DBRIC			
* Paper	Cover pages(snow white 250g/m2) : 4pages, 4 colors, Single Side, Matte OPP(page size :A4)			
	text pages(wood free 80g/m2) : 460pages(page size :A4) 1 color x 1 color			
* Binding	: perfect binding			
* USB	includes vinyl bag, 2 labels, cushioning and paper cases + hand labor cost			
Cost Details	Prices(KRW)(VAT not included)		%	Page
	unit price per page	price for 460pages		
1)Raw material				
-Paper(text page)	₩ 0.518	₩ 238.21	3%	460p
-Paper(cover page)	₩ 5.721	₩ 2,631.79	658%	460p
-Ink(per page)	₩ 8.587	₩ 3,950	52%	460p
-Package and others	₩ 0.826	₩ 380	21%	460p
sub total	₩ 15.652	₩ 7,200		460p
2)Labor(binding works)	₩ 0.870	₩ 400		460p
Unit price ; 1) + 2)	₩ 16.522	₩ 7,600		460p
3)SG&A(24%)	₩ 3.965	₩ 1,824		460p
Unit price ; 1) + 2) + 3)	₩ 20.49	₩ 9,424		460p
Logistics(separate)		₩ 300,000		1~1.4ton truck per travel
usb+ vinyl bag, 2 labels, cushioning, paper cases + hand labor cost		₩ 16,000		1 usb price + vinyl bag, 2 labels, cushioning, paper cases + hand labor
Process				
Others				

THANK YOU!

Pacom Korea Inc.